To:	County of Riverside Planning Department
From:	Maryam Javanmardi, Tina Juan, Alex J. Garber, EPD Solutions, Inc.
Date:	2/6/2026
Re:	Air Quality, Energy, and Greenhouse Gas Impact Analysis for the Mapes Residential Project, EPD Project Number 25-006

Project Overview

The Mapes Road Residential Project ("Project" or "proposed Project") is located within unincorporated Riverside County, under the jurisdiction of the County of Riverside. The Project site is situated in the southwest portion of Riverside County. The site consists of 78 parcels with Assessor's Parcel Numbers (APNs) 327-480-001 through -022, 327-481-001 through -012, 327-490-001 through -016, and 327-491-001 through -018, totaling approximately 39.09 gross acres (36.63 net acres). The Project site is located northeast of Mapes Road and Palomar Road. Regional access to the site is provided via State Route 74 (SR-74), and Interstate 215 (I-215). Local access to the Project site is provided via Mapes Road and Palomar Road. The Project site is vacant, undeveloped, and is heavily disturbed by previous development and grading activities. Vegetation on-site is limited to non-native grass. See Figure 1, *Project Vicinity*. The proposed Project is located within the jurisdiction of the South Coast Air Quality Management District (SCAQMD).

Development of the Project site was previously entitled on July 26, 2005, under Tentative Tract Map (TTM) No. 31684 and Environmental Assessment No. 39303, that approved subdivision of the site into 65 single-family residential lots (minimum lot size of 0.5 acres) along with three open space lots for drainage and flood control purposes. The approved TTM was not developed.

The currently proposed Project would include 157 numbered lots for single-family development and lots for a drainage basin, open space areas, a Riverside County Flood Control District (RCFCD) easement, and various right-of-way dedications for road purposes. See Figure 2, *Tentative Tract Map*. The Project would also propose to construct offsite street improvements, including half-width street improvements along the property's frontage of Trade Winds Drive, Palomar Road and Mapes Roads. These improvements will include roadway widening or paving, curb, gutter, and side.

The proposed Project also includes a General Plan Amendment to change the land use designation of the site from Low Density Residential (LDR) to Medium Density Residential (MDR) and zone change from Rural Residential (R-R) to Planned Residential (R-4).

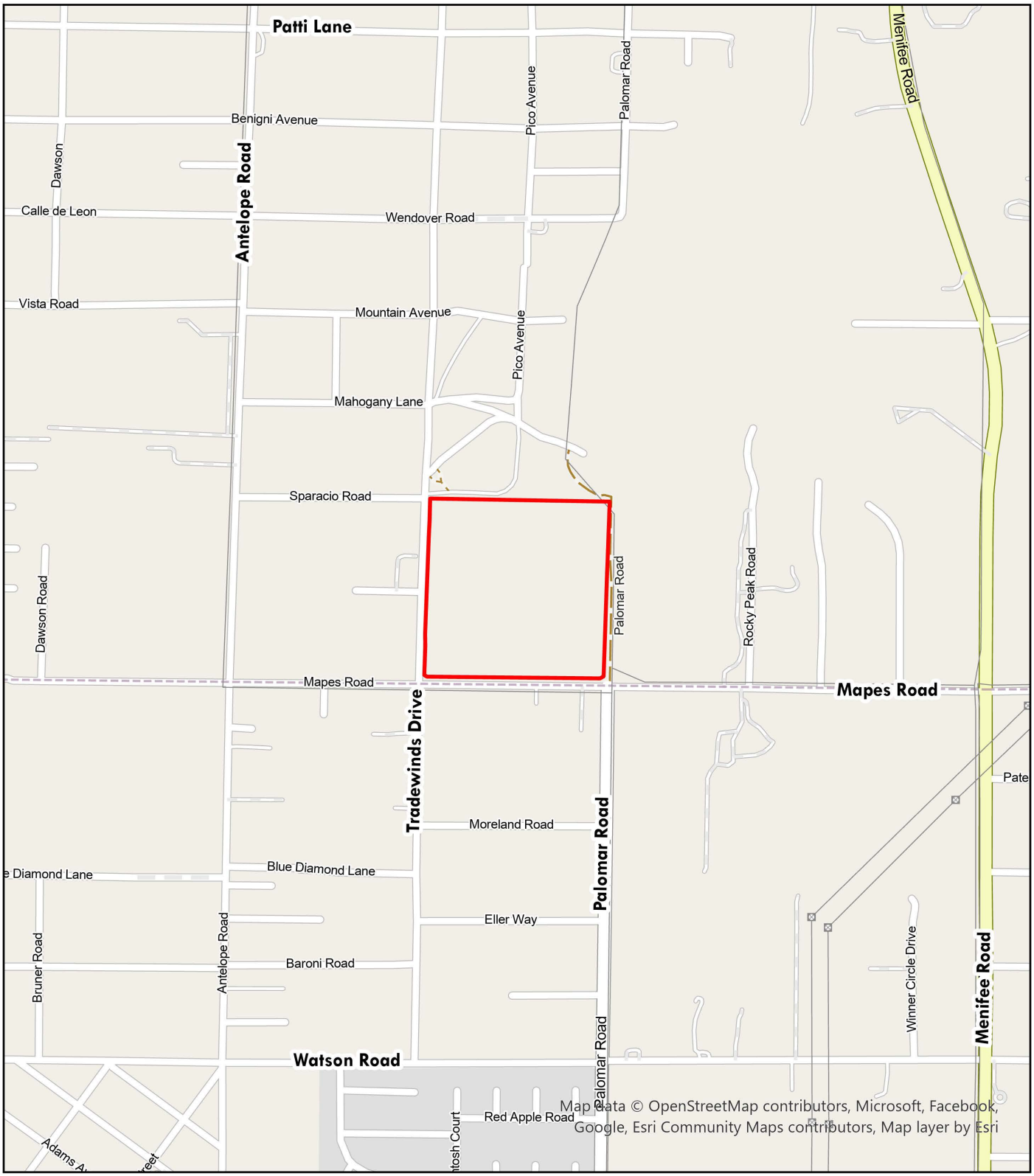
To support the California Environmental Quality Act (CEQA) document for the proposed Project, this report analyzes the proposed Project's construction and operational impacts related to air quality (emission of criteria pollutants), energy, and greenhouse gas (GHG) emissions using the California Emissions Estimator Model (CalEEMod Version 2022.1) and the Emission Factor model (EMFAC Version 2021). Table 1, *Construction Schedule,* shows the estimated construction schedule, which is expected to last about 15 months.

Table 1: Construction Schedule

Activity	Start Date	End Date	Total Working Days
Site Preparation	9/1/2027	10/5/2027	25
Grading	10/6/2027	1/4/2028	65
Building Construction	1/5/2028	8/22/2028	165
Paving	8/23/2028	9/26/2028	25
Architectural Coating	9/27/2028	11/28/2028	45

Source: CalEEMod Output Sheets (see Attachment A).

Figure 1: Project Vicinity



Legend

Project Boundary

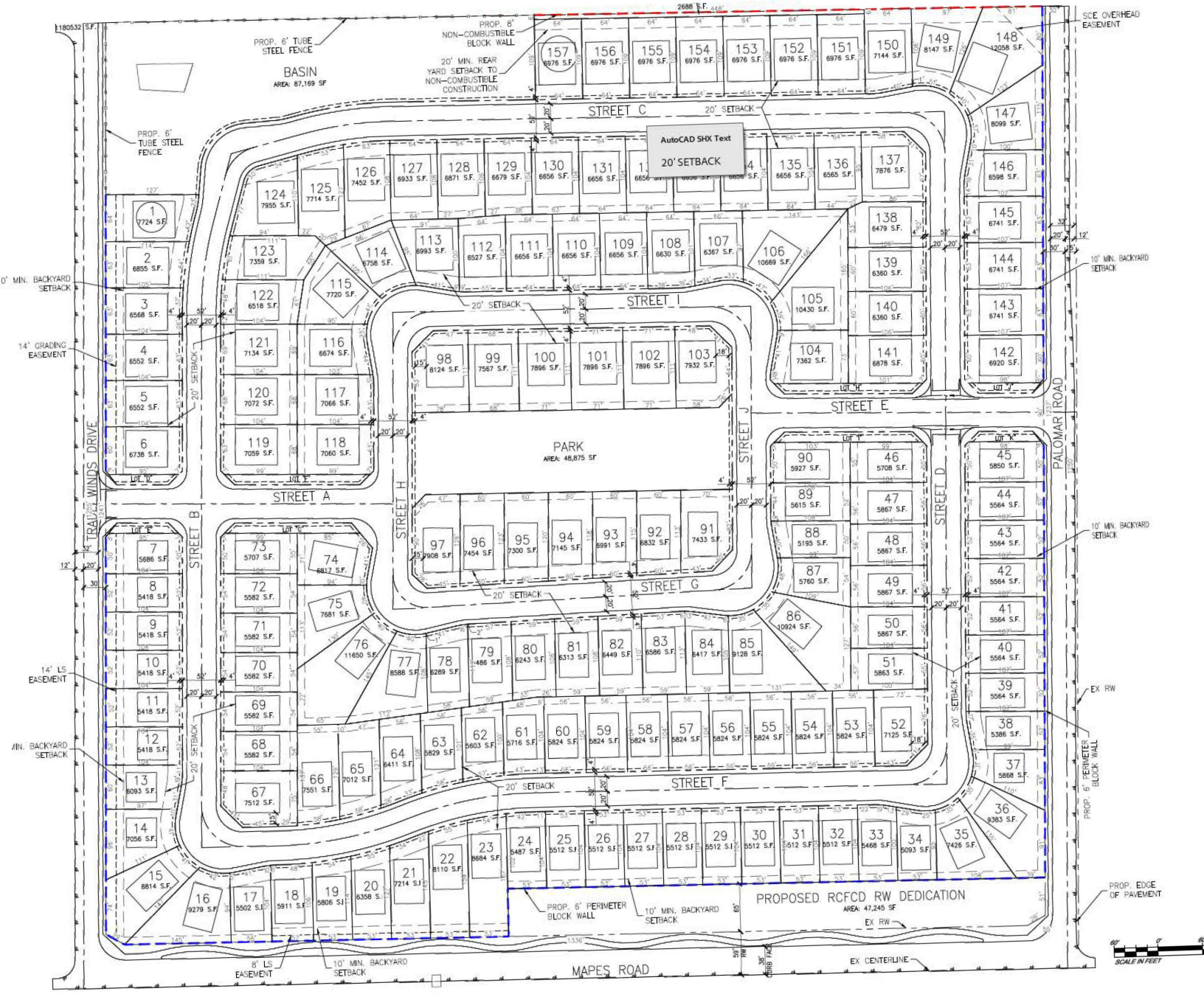
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Figure 1-2: Tentative Tract Map

Figure 2: Tentative Tract Map



CalEEMod Modeling Details

The following non-default assumptions and adjustments were used in the CalEEMod emission model for this analysis:

- **Land Use:** The lot acreage was adjusted to match the site plan provided by the client.
- **Construction Phases:** Adjusted construction start date and end date to match the information provided by the client.
- **Construction Equipment:** Assumed that all construction equipment would be used 8 hours a day per workday. Tractor/loaders/backhoes were replaced with crawler tractors in the site preparation and grading construction phases.
- **Construction Earthmoving Activity:** As provided by the client, the Project would require the net export of approximately 9,746 cubic yards (CY) of material during the grading phase.
- **Operations:** Hearths, wood stoves, and wood fireplaces were removed in accordance with SCAQMD Rule 445, which prohibits the installation of wood-burning devices in an effort to reduce particulate matter and production of volatile organic compounds (VOCs) (SCAQMD, 2020). Gas and propane fireplaces were also removed as neither is proposed for the Project.
- **Operational Trip Rates:** The trip rate was adjusted to match the Institute of Transportation Engineers (ITE) *Trip Generation Manual, 12th Edition*, auto trip rates for Single Family Detached Housing (ITE Land Use Code 210) (EPD Solutions, Inc., 2025).

Summary of Air Quality, Energy, and GHG Impacts

Air Quality

The proposed Project's maximum daily emissions (regional and local) for construction and operation would not exceed the SCAQMD's regional thresholds of significance. In addition, all construction activities would comply with applicable SCAQMD rules and regulations, including Rule 402, Rule 403, Rule 445, Rule 1113, and Rule 1403:

- Rule 402, Public Nuisance: Prohibits the discharge of air contaminants that cause injury, nuisance, or annoyance to the public or damage to property.
- Rule 403, Fugitive Dust: Aims to minimize fugitive particulate matter dust emissions during construction activities.
- Rule 445, Wood Burning Devices: Restricts wood-burning devices from being installed into any new development and is intended to reduce the emissions of particulate matter from wood-burning devices.
- Rule 1113, Architectural Coatings: Allows only low-VOC paints to be used.
- Rule 1403, Asbestos: Establish work practice requirements to limit asbestos emissions from building demolition or renovation.

The construction and operation of the proposed Project would not exceed SCAQMD thresholds for any of the six criteria pollutants. Projects that do not exceed the regional thresholds are assumed not have a significant impact on both a project level and cumulative level. The proposed Project aligns with SCAQMD'S 2022 Air Quality Management Plan (AQMP), reflecting adherence to regional air quality management goals and standards. Furthermore, odors produced by the construction and operation of the proposed Project would be minimal and comply with SCAQMD Rule 402. Therefore, the proposed Project would have a less-than-significant air quality impact. No mitigation would be required.

Energy

Construction activities related to the proposed Project and the associated infrastructure are not expected to result in demand for fuel greater on a per-unit-of-development basis than any other development projects in Southern California. The proposed Project's energy consumption during construction activities would comply with existing fuel standards, machinery efficiency requirements, and California Air Resources Board (CARB) regulations limiting truck idling. Additionally, for operation, the proposed Project would be required to meet the California Code of Regulations (CCR) Title 24 energy efficiency standards and comply with all applicable County energy codes. The Project buildings would also install solar panels on the roof in compliance with current Title 24 requirements. No natural gas usage is proposed for the operation of the Project. There are no unusual Project characteristics that would cause the construction or operation of the Project to be less energy-efficient when compared with other similar residential developments throughout the state. Therefore, the proposed Project would not result in impacts related to inefficient, wasteful, or unnecessary consumption of energy, nor would the Project inhibit the use of, and would instead allow for future flexibility relating to, renewable energy.

GHG Emissions

The Project is consistent with the actions and measures of the CARB's 2022 Scoping Plan and would not interfere with the policies and goals set within those plans. The project complies with the requirements of the 2019 Riverside County Climate Action Plan (CAP), specifically Measure R2 CE1 (Clean Energy). This measure mandates that any tentative tract map, plot plan, or conditional use permit proposing more than 75 new dwelling units for residential development must include renewable energy production that accounts for at least 30 percent of the energy demand for single-family homes development. The proposed Project's construction and operational GHG emissions would total 2,428 metric tons of carbon dioxide equivalent ($MTCO_2e$) per year, which would not exceed the threshold of 3,000 $MTCO_2e$ featured in the CAP Update. As such, the Project complies with applicable GHG reduction targets and State climate policies, including those outlined in CARB's 2022 Scoping Plan Update as provided in the County's CAP Update. The Project would also be consistent with the growth assumptions outlined in the Southern California Association of Governments' (SCAG) Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS). Therefore, the proposed Project would not conflict with any applicable plans, policies, or regulations adopted for the purpose of reducing GHG emissions, and the Project's GHG impacts would be less than significant.

Air Quality

Methodology and Model Inputs

To calculate air quality impacts, the proposed Project's construction and operational emissions were estimated using CalEEMod. As mentioned previously, the default CalEEMod construction schedule was adjusted to reflect the Project's development schedule. Passenger vehicle information was analyzed using the CalEEMod default trip distance information.

Regional Emissions

The SCAQMD has adopted maximum daily emission thresholds (pounds/day) for criteria pollutants during the construction and operation of a project (SCAQMD, 2023). While incremental regional air quality impacts of an individual project are generally very small and difficult to measure, SCAQMD's regional maximum emission thresholds set standards to reduce the burden of SCAQMD to attain and maintain ambient air quality standards. The regional thresholds apply to the criteria pollutants listed in Tables 2 and 3, below.

The Project's maximum daily regional construction emissions are shown in Table 2, *Regional Construction Emission Estimates*. As shown in Table 2, maximum daily emissions would not exceed the SCAQMD regional construction thresholds and thus would result in a less-than-significant regional operational air quality impact.

Table 2: Regional Construction Emission Estimates

Construction Activity	Maximum Daily Regional Emissions (pounds/day) *					
	ROG	**NO_X**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
Maximum Daily Emission 2027	3.72	32.81	31.54	0.07	7.51	4.23
Maximum Daily Emission 2028	11.23	27.90	29.45	0.07	4.47	2.24
Maximum Daily Emission 2027-2028	***11.23***	***32.81***	***31.54***	***0.07***	***7.51***	***4.23***
SCAQMD Significance Thresholds	*75*	100	*550*	150	150	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: ROG = reactive organic gases, NO_X = nitrogen oxides, CO = carbon monoxide, SO_2 = sulfur dioxide, PM_{10} = particulate matter 10 microns in diameter, $PM_{2.5}$ = particulate matter 2.5 microns in diameter
*The higher emissions from the winter and summer scenarios are presented. Values may vary slightly due to rounding.
Source: CalEEMod output sheets are provided in Attachment A, and the detailed calculation sheets are provided in Attachment B.

The Project's maximum daily regional operational emissions are shown in Table 3, *Regional Operation Emission Estimates*. As shown in Table 3, maximum daily regional emissions during operation would not exceed the SCAQMD regional operational thresholds and thus would result in a less-than-significant regional operational air quality impact.

Table 3: Regional Operation Emission Estimates

Operational Activity	Maximum Daily Regional Emissions (pounds/day)[1]					
	ROG	NOx	CO	SO_2	PM_{10}	$PM_{2.5}$
Mobile	5.04	4.88	44.71	0.12	11.32	2.93
Area	1.92	0.08	8.93	<0.01	<0.01	<0.01
Energy[2]	0.00	0.00	0.00	0.00	0.00	0.00
Total Project Operational Emissions	**6.96**	**4.96**	**53.64**	**0.12**	**11.32**	**2.93**
SCAQMD Significance Thresholds	*55*	*55*	*550*	150	150	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: ROG = reactive organic gases, NOx = nitrogen oxides, CO = carbon monoxide, SO_2 = sulfur dioxide, PM_{10} = particulate matter 10 microns in diameter, $PM_{2.5}$ = particulate matter 2.5 microns in diameter

1. The higher emissions from the winter and summer scenarios are presented. Values may vary slightly due to rounding.
2. Since the Project does not include natural gas, the estimated natural gas consumption is converted to electricity-equivalent using a factor of 0.18 and added to the electricity consumption (AGA, 2022). Emissions from electricity are accounted for at the powerplant; as such, the emissions of the Project from energy are zero.

Source: CalEEMod output sheets are provided in Attachment A, and the detailed calculation sheets are provided in Attachment B.

Local Emissions

Localized significance thresholds (LSTs) were also adopted by the SCAQMD due to project-related construction or operational air emissions having the potential to exceed the State and national air quality standards in the project vicinity, while not exceeding the regional emission significance thresholds adopted by the SCAQMD. These thresholds set the maximum rates of daily construction or operational emissions from a project site that would not exceed a national or State ambient air quality standard (SCAQMD, 2008). The differences between regional thresholds and LSTs are as follows:

1. Regional thresholds include all sources of project construction and operational emissions generated from on-site and off-site emission sources, whereas the LSTs only consider the emissions generated from on-site emission sources.
2. LSTs only apply to CO, NOx, PM_{10}, and $PM_{2.5}$, while regional thresholds include both ROG and SO_2.
3. Regional thresholds apply to emission sources located anywhere within the SCAQMD, whereas the LSTs are location dependent and rely on the size of the project and emission location relative to the nearest sensitive receptor.

The SCAQMD provides screening tables (Appendix C of the SCAQMD 2008 Final Localized Significance Threshold Methodology) for projects that disturb less than or equal to 5 acres in a day. These tables were created to easily determine if the daily emissions of NOx, CO, PM_{10}, and $PM_{2.5}$ from a project could result in a significant impact to the local air quality. The thresholds are determined by:

- Source receptor area (SRA), which is the geographic area within the SCAQMD that can act as both a source of emissions and a receptor of emission impacts (the Project is located within SRA 24, Perris Valley);
- Size of grading disturbance (construction)/size of the project (operation); and
- Distance to the nearest sensitive receptor, which is defined as an individual who is most susceptible to negative health effects when exposed to air pollutants and includes children, the elderly, and adults with chronic health issues. Locations for such receptors include residences, schools, elderly care centers, and hospitals.

The site preparation and grading phases would result in approximately 3.5 acres and 2 acres of ground disturbance, respectively, as shown in Attachment B, *Detailed Calculation Sheets*. Therefore, the maximum ground disturbance occurs during the site preparation phase at 3.5 acres, while the total Project site encompasses approximately 39.09 gross acres (36.63 net acres). Pursuant to SCAQMD guidance, which recommends selecting thresholds based on the smaller of the total site area or the daily disturbed area, construction emissions were evaluated by interpolating between the 2-acre and 5-acre disturbance thresholds. The nearest sensitive receptors are existing residential uses located approximately 56 feet to the west and east of the Project site. The Project also includes off-site improvements along Mapes Road, Palomar Road, and Tradewinds Drive. Construction activities associated with these off-site improvements could occur as close as approximately 25 feet from residential receptors located to the west and south of the Project site. Therefore, the construction emission thresholds for the lowest distance available (25 meters) were used.

Table 4, *Localized Construction Emission Estimates*, shows the thresholds and estimated maximum daily construction emissions for the proposed Project. As shown in Table 4, the proposed Project would not exceed applicable thresholds and therefore would result in a less-than-significant localized construction air quality impact.

Table 4: Localized Construction Emission Estimates

Construction Activity	Maximum Daily Localized Emissions (pounds/day)			
	NOx	**CO**	**PM_{10}**	**$PM_{2.5}$**
2027				
Site Preparation	32.74	30.37	7.28	4.18
Grading	27.97	28.33	3.94	2.15
Maximum Daily Emissions 2027	***32.74***	***30.37***	***7.28***	***4.18***
2028				
Grading	26.45	28.18	3.85	2.06
Building Construction	9.66	14.04	0.33	0.30
Paving	6.63	9.91	0.26	0.24
Architectural Coating	1.08	1.49	0.02	0.02
Maximum Daily Emissions 2028	***26.45***	***28.18***	***3.85***	***2.06***
Maximum Daily Emission 2027-2028	**32.74**	**30.37**	**7.28**	**4.18**
SCAQMD Significance Thresholds	220.00	1230.00	10.00	6.00
Threshold Exceeded?	**No**	**No**	**No**	**No**

Notes: NOx = nitrogen oxides, CO = carbon monoxide, PM_{10} = particulate matter 10 microns in diameter, $PM_{2.5}$ = particulate matter 2.5 microns in diameter
CalEEMod output sheets are provided in Attachment A, and the detailed calculation sheets are provided in Attachment B.

According to the SCAQMD LST methodology, LSTs apply to a project's stationary and on-site mobile sources. Projects that involve mobile sources that spend long periods queuing and idling at a site, such as transfer facilities or warehousing and distribution buildings, have the potential to exceed the operational LSTs. The proposed Project would operate as a residential development, which does not typically involve diesel vehicles regularly idling or queuing for long periods. Therefore, due to the lack of significant stationary source emissions or idling diesel-powered vehicles, impacts related to operational LSTs are presumed to be less than significant.

Air Quality Management Plan Consistency

SCAQMD's CEQA Handbook provides the following two criteria to determine if a project would be consistent with the AQMP:

1. The Project would not generate population and employment growth that would be inconsistent with SCAG's growth forecasts from the 2020-2045 RTP/SCS; and
2. The Project would not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

Consistency Criterion No. 1 refers to the SCAG's growth forecasts and associated assumptions included in the AQMP. The future air quality levels projected in the AQMP are based on SCAG's growth projections, which are based, in part, on the general plans of cities located within the SCAG region. Therefore, if the level of housing and employment growth related to the proposed Project is consistent with the applicable assumptions used in the development of the AQMP, the Project would not jeopardize attainment of the air quality levels identified in the AQMP. While SCAG has updated the RTP/SCS to the Connect SoCal 2024, which provides growth and forecasting estimates for 2019 through 2050, this update was adopted after the 2022 AQMP. Therefore, the analysis below uses assumptions from the 2020-2045 RTP/SCS for consistency with the most recent AQMP.

The Project proposes a change of zone from Low Density Residential (LDR) to Planned Residential (R-4), creating 157 numbered lots for single-family development and lots for a drainage basin, open space areas, an RCFCD easement, and various right-of-way dedications for road purposes. SCAG's Connect SoCal 2024 Demographics and Growth Forecast Technical Report estimated Riverside County to have a total population of 2,674,000 people by 2030 (SCAG, 2024). Based on an average household size of 3.19 for Unincorporated Riverside County (SCAG, 2021), the Project would result in a direct population increase of approximately 501 persons. While it is likely that future residents already live in the County, this analysis conservatively assumes all future residents would move into the community. SCAG growth forecasts estimate an increase of 4.6 percent between 2025 and 2030 for Riverside County (SCAG, 2024). The Project's potential direct population growth (approximately 501 persons by 2028) represents about 0.02 percent of the 2030 population. Therefore, the Project would not induce substantial unplanned population growth and would not exceed SCAG's growth assumptions. As such, the Project is consistent with Consistency Criterion 1.

Consistency Criterion No. 2 refers to the California Ambient Air Quality Standards. An impact would occur if the emissions associated with the proposed Project exceed SCAQMD's significance thresholds for both construction and operational phases. As presented in Tables 2 through 4, above, the construction and operation of the proposed Project would result in emissions that do not exceed any SCAQMD thresholds. Therefore, the proposed Project would be consistent with Criterion No. 2.

As the Project would be consistent with both Criterion No. 1 and 2, impacts related to consistency with the AQMP would be less than significant.

Odors

Odors would be produced during the construction of the proposed Project due to the operation of heavy-duty off-road equipment. The primary odor emitted would be diesel particulate matter from the vendor trucks and heavy-duty off-road equipment. This odor may be noticeable by nearby residents; however, these odors would be expected and not necessarily objectionable. These odors would also dissipate quickly and would be temporary. Therefore, due to the nature of the odor produced during construction as temporary and non-objectionable to a substantial number of people, the odor impact from the construction of the proposed Project would be less than significant.

For operational odor emissions, SCAQMD's CEQA Air Quality Handbook describes odor complaints associated with the following land uses:

- Agricultural uses
- Chemical plants
- Composting activities
- Dairies
- Fiberglass molding
- Food processing plants
- Landfills
- Refineries
- Wastewater treatment plants

The Project does not propose any of the above land uses and is required to comply with SCAQMD Rule 402, Nuisance, which 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. The provisions of this rule shall not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.*

Thus, impacts associated with odor produced by the operation of the proposed Project would be less than significant.

Conclusion

The proposed Project's maximum daily regional and localized construction and operational emissions would not exceed SCAQMD's regional thresholds of significance, as detailed in Tables 2 through 4. All construction activities would comply with applicable SCAQMD rules and regulations, ensuring minimal and temporary odor exposure during construction. Operational impacts are also anticipated to be minimal and consistent with surrounding land uses.

In addition, the proposed Project is consistent with SCAQMD'S 2022 AQMP, reflecting adherence to regional air quality management goals and standards. During construction, any odors produced will be temporary and not significantly objectionable. Additionally, the proposed Project involves land uses that do not typically generate significant odor complaints and would comply with SCAQMD Rule 402, which addresses potential odor impacts.

Overall, the proposed Project's impacts related to air quality would be less than significant.

Energy

The CEQA Guidelines do not have specific thresholds for energy consumption. Rather, the questions in Appendix G: VI Energy, ask (a) "[Would the proposed Project] Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?" and (b), "[Would the project] Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?" (California Energy Commission, 2023). Therefore, for the purpose of this analysis, a significant impact would occur if:

(a) The project design and/or location encourage wasteful, inefficient, and unnecessary consumption of energy, especially fossil fuels such as coal, natural gas, and petroleum, as well as the use of fuel by vehicles anticipated to travel to and from the project; or
(b) The project design impedes the growth of future renewable energy developments.

Southern California Edison and the Southern California Gas Company would provide electricity and natural gas, respectively, for the construction and operation of the proposed Project. The following assumptions were used to calculate the energy (electricity, natural gas, and petroleum) consumption of the proposed Project:

- Construction equipment fuel consumption was derived from the CARB OffRoad2021 emission model.
- Fuel consumption from vehicle travel was derived from the CARB EMFAC2021 emission model.
- Electrical and natural gas usage was derived from the CalEEMod model Version 2022.1.
- Electricity consumption was derived from CalEEMod (Version 2022.1). The Project would not consume natural gas on-site; however, CalEEMod did not include electricity consumption for all-electric homes. As such, a natural gas to electricity conversion is calculated based on the *Comparison of Home Appliance Energy Use, Operating Costs, and Carbon Dioxide Emissions – 2022 Update*, prepared by American Gas Association (AGA) in 2022 (American Gas Association, 2022).

Construction

Electricity and Natural Gas Usage

Due to the Project size and the fact that construction is temporary, the electricity used during construction of the proposed Project would be substantially less than that required for Project operation and would have a negligible contribution to the Project's overall energy consumption. The electric power used would be for as-necessary lighting and electronic equipment such as computers inside temporary construction trailers. Natural gas is not anticipated to be needed for construction activities. Any consumption of natural gas would be minor and negligible in comparison to the usage during the operation of the proposed Project.

Petroleum Fuel Usage

Construction equipment associated with construction activities (off-road/heavy-duty vehicles) would rely on diesel fuel, as would vendor and haul trucks involved in delivering building materials and removing demolition debris from the Project site. Construction workers would travel to and from the Project site throughout the duration of construction, and for a conservative analysis, it is assumed that construction workers would travel in gasoline-powered passenger vehicles. The proposed Project's construction vehicle fuel usage is based on vehicle miles traveled (VMT) and fuel usage factors contained in the CARB EMFAC2021 model, which are included in Attachment B, *Detailed Calculation Sheets*. The trips included are those of worker vehicles, vendor vehicles, and haul vehicles. Construction equipment would be transported to the site and operated on-site only. Please refer to Attachment B for the total fuel consumption and horsepower-hour data contained within the CARB Off-Road 2021 emission model for specific types of diesel construction equipment.

As shown in Table 4, *Total Construction Fuel Usage*, construction of the proposed Project would require a total of 68,403.3 gallons of diesel fuel (58,043.0 gallons of diesel fuel from off-road construction equipment and

10,947.2 gallons of diesel fuel from construction vehicles) and 15,723.9 gallons of gasoline fuel from construction vehicles. As shown in Table 4, this would result in a 0.1339 percent increase over countywide construction off-road diesel consumption and a 0.0036 percent increase over countywide on-road gasoline consumption. Thus, increased energy consumption from the construction of the proposed Project would be nominal. Additionally, it should be noted that this total fuel consumption is a conservative analysis and would likely overstate the amount of fuel usage, as specific construction equipment (e.g., crane) is not expected to operate during the entire duration of the construction activity.

Table 4: Total Construction Fuel Usage

Construction Source	Gallons of Diesel Fuel	Gallons of Gasoline Fuel
Construction Vehicles	10,947.2	15,723.9
Off-Road Construction Equipment	56,685.0	-
Total	**67,632.2**	**15,723.9**
Countywide Consumptions	50,504,775.2	430,881,898.5
Percentage Increase (%)	**0.1339%**	**0.0036%**

Source: CalEEMod Output Sheets (see Attachment A) and Detailed Calculation Sheets (see Attachment B)

Operation

The operation of the proposed Project would consume electricity and gasoline. Electricity consumption for the proposed Project can be found in Attachment A, *CalEEMod Output Sheets*. The gasoline consumption rates utilize the same assumptions that were used for construction worker vehicles. The Project's estimated energy consumption is shown in Table 6, *Annual Project Operational Energy Requirements*, below. The proposed Project is expected to require electricity, gasoline, and diesel. However, the proposed Project's energy consumption would be consistent with similar sized projects and would not constitute an inefficient use of energy. As shown in Table 6, operation of the proposed Project would result in a countywide electricity increase of 0.0139 percent. The on-road fuel consumption from the Project would result in a 1.3452 percent increase in countywide gasoline consumption. Thus, the Project's operational energy consumption would also be nominal at the countywide scale.

Table 5: Annual Project Operational Energy Requirements

Operational Source	Energy Usage	Countywide Energy Consumption	Percentage Increase
Electricity (Kilowatt-Hour)			
Proposed Project	2,266,678.1	16,286,000,000	0.0139%
Gasoline Consumption (Gallons)			
Proposed Project	5,796,019.8	430,881,898.5	1.3452%

Source: CalEEMod Output Sheets (see Attachment A) and Detailed Calculation Sheets (see Attachment B)

1. Since the Project does not include natural gas, the estimated natural gas consumption is converted to electricity-equivalent using a factor of 0.18 and added to the electricity consumption (AGA 2022).

Future Renewable Energy Developments

The proposed Project would be required to meet the CCR Title 24 energy efficiency standards in effect during permitting of the proposed Project and comply with all applicable County energy codes. The County's administration of the CCR Title 24 requirements includes review of design components and energy conservation measures that occur during the permitting process, which ensures that all requirements are met. In addition, the Project design and operation would comply with State Building Energy Efficiency Standards, appliance efficiency regulations, and green building standards. The Project buildings would also install solar

panels on the roof in compliance with current Title 24 requirements. As such, the Project would not inhibit the use of, and would contribute to future flexibility relating to, renewable energy.

Conclusion

As described above, the Project would not result in significant impacts related to energy. Construction activities associated with the proposed Project are not expected to result in fuel demand, on a per-unit-of-development basis, that exceeds that of comparable residential projects in Southern California. The Project does not include any unusual characteristics that would require the use of construction equipment with lower energy efficiency than that used for typical residential development. In addition, construction activities would comply with applicable regulations aimed at reducing energy consumption and emissions, including restrictions on vehicle idling, fuel standards, and equipment efficiency requirements, and estimated energy consumption from the construction of the Project would be nominal compared to the energy consumption of the region.

During operation, the Project would consume electricity and gasoline. Operational energy demand would be consistent with that of similar residential developments and would not result in inefficient, wasteful, or unnecessary energy consumption. Energy consumption from the operation of the Project would be nominal compared to that of the region. Therefore, the Project would result in a less-than-significant energy impact during both construction and operation, and no mitigation would be required.

In addition, the operation of the Project would also be similar to other residential projects within the County and would be required to meet CCR Title 24 energy efficiency standards and comply with all applicable County energy codes. The Project buildings would also install solar panels on the roof in compliance with current Title 24 requirements. Therefore, the Project would not inhibit the use of, and would allow for future flexibility relating to, renewable energy.

Overall, the Project would result in less-than-significant impacts related to wasteful, inefficient, and unnecessary consumption of energy or impeding future renewable energy development.

Greenhouse Gas Emissions

Regulatory Background and Thresholds of Significance

California State Executive Order S-3-05, issued by Governor Arnold Schwarzenegger in June 2005, established comprehensive GHG reduction targets for the State (Executive Department State of California, 2005). Executive Order S-3-05 mandated reducing GHG emissions to 2000 levels by 2010, to 1990 levels by 2020, and to 80 percent below 1990 levels by 2050. This Executive Order laid the foundation for subsequent climate change mitigation efforts in California, including the development of various policies and programs aimed at reducing emissions across sectors such as transportation, energy, and industry. In 2006, the Legislature passed AB 32, which benchmarked the State's first goal for reducing GHG emissions, requiring statewide emissions to be reduced to 1990 levels by 2020. Senate Bill (SB) 32, enacted in 2016, builds upon AB 32 by setting a more ambitious target of reducing GHG emissions to 40 percent below 1990 levels by 2030.

The County of Riverside adopted its CAP Update in November 2019 (County of Riverside, 2019). The CAP Update establishes GHG reduction targets and strategies consistent with State policies and regulations, including AB 32 and SB 32. As part of the CAP Update, the County adopted project-level significance thresholds for evaluating GHG emissions for CEQA determinations, including a bright-line threshold of 3,000 $MTCO_2e$ per year, below which a project would result in a less-than-significant impact. In addition, the CAP Update includes Measure R2 CE1 (Clean Energy), which requires residential projects proposing more than 75 dwelling units to incorporate renewable energy generation sufficient to account for at least 30 percent of the project's energy demand for single-family development. Consistent with CEQA Guidelines §15183.5(b), because the County has adopted a qualified CAP Update, the determination of GHG significance is based on a project's consistency with the CAP Update, including applicable measures such as Measure R2 CE1, rather than reliance on a stand-alone numeric threshold.

This threshold was developed based on substantial evidence and modeling conducted as part of the CAP Update's environmental review process and reflects the County's intent to align project-level review with broader GHG reduction goals. The County's threshold is consistent with thresholds recommended by other agencies, like the SCAQMD, whose boundaries the Project site is located within. It is also structured to support the County's efforts to achieve long-term emissions reductions consistent with Executive Order S-3-05 and the State's 2030 and 2050 targets.

Project GHG Emissions

The Project's construction GHG emissions are shown in Table 7, *Project Construction GHG Emissions*, and the overall construction and operational emissions are shown in Table 8, *Total Project GHG Emissions*, below. These emissions were calculated using the CalEEMod model, which can be found in Attachment A. The construction emissions are amortized over 30 years and added to the operational GHG emissions. As seen in Table 8, the Project would not exceed the County's CAP Update threshold of 3,000 $MTCO_2e$ per year. Therefore, the Project would result in a less-than-significant impact on GHG emissions.

Table 7: Project Construction GHG Emissions

Year	Annual GHG Emissions ($MTCO_2e$)
2027	299
2028	325
Total Emissions	**624**
Total Emissions Amortized Over 30 Years	21

CalEEMod output sheets are provided in Attachment A, and the detailed calculation sheets are provided in Attachment B.

Table 8: Total Project GHG Emissions

Activity	Annual GHG Emissions[1] ($MTCO_2e$)
Mobile	1,984
Area	3
Energy	358
Water	17
Waste	45
Refrigerant	1
Total Project Operational Emissions	**2,407**
Amortized Construction Emissions	21
Total Project Emissions	**2,428**
CAP Significance Threshold	3,000
Threshold Exceeded	**No**

Source: CalEEMod output sheets are provided in Attachment A, and the detailed calculation sheets are provided in Attachment B.

Greenhouse Gas Reduction Plans Consistency

As previously noted, the County of Riverside adopted its Climate Action Plan (CAP) Update in November 2019, which incorporates greenhouse gas (GHG) reduction targets and strategies aligned with State policies and regulations, including Assembly Bill 32, Senate Bill 32, and the California Air Resources Board's 2022 Climate Change Scoping Plan (County of Riverside, 2019). As discussed above, the Project's anticipated GHG emissions would not exceed the reduction targets established in the CAP Update. In addition to consistency with the CAP Update, the Project's emissions and regulatory compliance were evaluated relative to the State of California's broader climate change strategies. The Project is consistent with Measure R2 CE1 (Clean Energy), which requires that any tentative tract map, plot plan, or conditional use permit proposing more than 75 new dwelling units include on-site renewable energy generation sufficient to offset at least 30 percent of the energy demand for single-family residential development.

On December 15, 2022, CARB adopted the 2022 Scoping Plan, which outlines sector-specific regulations and actions to achieve carbon neutrality by 2045 (California Air Resources Board, 2022). These strategies include emissions reductions from building energy, transportation, waste, and land use. The proposed Project would comply with all applicable mandatory measures in effect at the time of construction and operation, including, but not limited to, the California Building Standards Code (Title 24), which encompasses the California Energy Code (Part 6) and the CALGreen Code (Part 11). Consistent with Title 24, Part 11 requirements, all newly constructed single-family residential buildings shall include a solar photovoltaic (PV) system. The PV system's annual electrical output shall be no less than the smaller of the system size required

or the maximum size that can be installed on the building's solar-access roof area. The Project would include a solar PV system for each proposed unit; however, this feature is not reflected in the modeling assumptions.

The Project site is within the SCAG region and is subject to the regional planning framework outlined in the SCAG 2020–2045 RTP/SCS (SCAG, 2020). The RTP/SCS emphasizes compact development, VMT reduction, and support for multimodal transportation. The Project site is zoned R-4, which supports development that addresses regional housing needs and promotes active transportation through a mix of residential, commercial, and recreational uses. The proposed development consists of 157 dwelling units on 36.63 net acres, equivalent to approximately 4.29 dwelling units per acre. According to SCAG's 2016 Land Use Codes, the project site falls within an area designated for low- to medium-density residential development, generally ranging from 3 to 8 dwelling units per acre. This density is consistent with the types of residential development anticipated in SCAG's RTP/SCS growth forecasts. Therefore, because the Project's density is consistent with the assumptions that were incorporated into SCAG's regional growth projections, the Project aligns with the development patterns envisioned in the RTP/SCS. The SCAG 2016 Land Use Codes – Legend, which provides the classification of residential densities and other land use types, is included in Attachment C for reference.

Conclusion

The Project is consistent with the actions and measures of CARB's 2022 Scoping Plan and would not interfere with the policies and goals set forth in that plan. The Project would comply with the 2019 Riverside County CAP, specifically Measure R2 CE1 (Clean Energy), as rooftop solar panels would be installed on all units in compliance with Title 24, such that renewable energy production would account for at least 30 percent of the energy demand for single-family development. The Project's construction and operational GHG emissions would total 2,428 $MTCO_2e$ per year, which would not exceed the CAP Update threshold of 3,000 $MTCO_2e$ per year. As such, the Project complies with applicable GHG reduction targets and State climate policies reflected in CARB's 2022 Scoping Plan, as incorporated into the County's CAP Update. The Project would also be consistent with the growth assumptions in SCAG's RTP/SCS. Therefore, the Project would not conflict with applicable plans, policies, or regulations adopted to reduce GHG emissions, and GHG impacts would be less than significant.

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ATTACHMENT A: CALEEMOD OUTPUT SHEETS

25-006 Mapes and Palomar Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	25-006 Mapes and Palomar
Construction Start Date	9/1/2027
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50000
Precipitation (days)	0.20000
Location	Mapes Rd & Palomar Rd, Romoland, CA 92585, USA
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5513
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.37

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	157.000	Dwelling Unit	24.2400	44,665.0	14,982.0	—	507.000	Residential units

Other Asphalt Surfaces	6.00000	Acre	6.00000	0.00000	0.00000	—	—	off-site improvements within tract
Other Asphalt Surfaces	3.80000	Acre	3.80000	0.00000	0.00000	—	—	off-site improvements off tract
Other Non-Asphalt Surfaces	5.73000	Acre	5.73000	0.00000	0.00000	—	—	—
City Park	3.12000	Acre	3.12000	0.00000	0.00000	47,245.0	—	City Park

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	11.2302	32.8057	31.5351	0.05106	1.61987	7.51090	4.23008	5,791.86
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	11.2278	32.8136	31.2513	0.07069	1.61987	7.51090	4.23008	8,295.13
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	2.11215	7.26735	8.89076	0.01553	0.33091	1.29139	0.68593	1,963.76
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	0.38547	1.32629	1.62256	0.00283	0.06039	0.23568	0.12518	325.123
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	75.0000	100.0000	550.000	150.000	150.000	150.000	55.0000	—
Unmit.	No	No	No	No	No	No	No	—

Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	75.0000	100.0000	550.000	150.000	150.000	150.000	55.0000	—
Unmit.	No	No	No	No	No	No	No	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2027	3.71600	32.8057	31.5351	0.05106	1.61987	7.51090	4.23008	5,791.86
2028	11.2302	10.3488	17.6937	0.02932	0.33316	1.21553	0.51995	3,908.49
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2027	3.71214	32.8136	31.2513	0.07069	1.61987	7.51090	4.23008	8,295.13
2028	11.2278	27.9034	29.4486	0.07069	1.20234	4.47390	2.24467	8,262.26
Average Daily	—	—	—	—	—	—	—	—
2027	0.82267	7.26735	7.20339	0.01553	0.33091	1.29139	0.68593	1,808.51
2028	2.11215	5.51623	8.89076	0.01505	0.18005	0.63612	0.27845	1,963.76
Annual	—	—	—	—	—	—	—	—
2027	0.15014	1.32629	1.31462	0.00283	0.06039	0.23568	0.12518	299.420
2028	0.38547	1.00671	1.62256	0.00275	0.03286	0.11609	0.05082	325.123

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	6.95668	4.63762	53.6373	0.12199	0.08514	11.3258	2.93162	15,196.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Unmit.	5.89156	4.87905	37.5293	0.11415	0.08108	11.3218	2.92856	14,391.9
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	6.37652	5.02170	44.9883	0.11549	0.08386	11.3231	2.93030	14,531.8
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	1.16372	0.91646	8.21037	0.02108	0.01531	2.06647	0.53478	2,405.91
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	55.0000	55.0000	550.000	150.000	150.000	150.000	55.0000	—
Unmit.	No	No	No	No	No	No	No	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	55.0000	55.0000	550.000	150.000	150.000	150.000	55.0000	—
Unmit.	No	No	No	No	No	No	No	—
Exceeds (Annual)	—	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	—	3,000.00
Unmit.	—	—	—	—	—	—	—	No

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	5.03876	4.55391	44.7066	0.12161	0.08103	11.3217	2.92852	12,638.0
Area	1.91792	0.08372	8.93077	0.00039	0.00411	0.00411	0.00310	23.8987
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	2,162.43
Water	—	—	—	—	—	—	—	100.065
Waste	—	—	—	—	—	—	—	271.495
Refrig.	—	—	—	—	—	—	—	0.31989

Total	6.95668	4.63762	53.6373	0.12199	0.08514	11.3258	2.93162	15,196.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Mobile	4.74638	4.87905	37.5293	0.11415	0.08108	11.3218	2.92856	11,857.6
Area	1.14519	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	2,162.43
Water	—	—	—	—	—	—	—	100.065
Waste	—	—	—	—	—	—	—	271.495
Refrig.	—	—	—	—	—	—	—	0.31989
Total	5.89156	4.87905	37.5293	0.11415	0.08108	11.3218	2.92856	14,391.9
Average Daily	—	—	—	—	—	—	—	—
Mobile	4.70207	4.96436	38.8714	0.11523	0.08105	11.3203	2.92818	11,981.1
Area	1.67446	0.05734	6.11696	0.00026	0.00281	0.00281	0.00212	16.3690
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	2,162.43
Water	—	—	—	—	—	—	—	100.065
Waste	—	—	—	—	—	—	—	271.495
Refrig.	—	—	—	—	—	—	—	0.31989
Total	6.37652	5.02170	44.9883	0.11549	0.08386	11.3231	2.93030	14,531.8
Annual	—	—	—	—	—	—	—	—
Mobile	0.85813	0.90600	7.09403	0.02103	0.01479	2.06596	0.53439	1,983.61
Area	0.30559	0.01046	1.11635	0.00005	0.00051	0.00051	0.00039	2.71007
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	358.015
Water	—	—	—	—	—	—	—	16.5669
Waste	—	—	—	—	—	—	—	44.9492
Refrig.	—	—	—	—	—	—	—	0.05296
Total	1.16372	0.91646	8.21037	0.02108	0.01531	2.06647	0.53478	2,405.91

3. Construction Emissions Details

3.1. Site Preparation (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.64578	32.7450	30.3726	0.05106	1.61987	1.61987	1.49028	5,551.71
Dust From Material Movement	—	—	—	—	—	5.66228	2.68618	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.64578	32.7450	30.3726	0.05106	1.61987	1.61987	1.49028	5,551.71
Dust From Material Movement	—	—	—	—	—	5.66228	2.68618	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24971	2.24281	2.08032	0.00350	0.11095	0.11095	0.10207	380.254
Dust From Material Movement	—	—	—	—	—	0.38783	0.18398	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04557	0.40931	0.37966	0.00064	0.02025	0.02025	0.01863	62.9554
Dust From Material Movement	—	—	—	—	—	0.07078	0.03358	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.07022	0.06076	1.16244	0.00000	0.00000	0.22874	0.05362	240.151
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.06636	0.06867	0.87868	0.00000	0.00000	0.22874	0.05362	220.424
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—
Worker	0.00455	0.00519	0.06317	0.00000	0.00000	0.01567	0.00367	15.3068
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—
Worker	0.00083	0.00095	0.01153	0.00000	0.00000	0.00286	0.00067	2.53421
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3. Grading (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.24250	27.9664	28.3283	0.06201	1.26714	1.26714	1.16577	6,738.58
Dust From Material Movement	—	—	—	—	—	2.67072	0.98006	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55205	4.76140	4.82301	0.01056	0.21574	0.21574	0.19848	1,147.27
Dust From Material Movement	—	—	—	—	—	0.45470	0.16686	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10075	0.86896	0.88020	0.00193	0.03937	0.03937	0.03622	189.944
Dust From Material Movement	—	—	—	—	—	0.08298	0.03045	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07584	0.07848	1.00421	0.00000	0.00000	0.26142	0.06128	251.913
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01902	1.42062	0.34110	0.00868	0.02481	0.36423	0.12000	1,304.65
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01291	0.01475	0.17945	0.00000	0.00000	0.04450	0.01043	43.4837
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00345	0.24320	0.05744	0.00148	0.00422	0.06201	0.02043	222.198
Annual	—	—	—	—	—	—	—	—
Worker	0.00236	0.00269	0.03275	0.00000	0.00000	0.00812	0.00190	7.19922
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00063	0.04438	0.01048	0.00027	0.00077	0.01132	0.00373	36.7874

3.5. Grading (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.13765	26.4482	28.1784	0.06201	1.17753	1.17753	1.08333	6,738.24
Dust From Material Movement	—	—	—	—	—	2.67072	0.98006	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02456	0.20703	0.22057	0.00049	0.00922	0.00922	0.00848	52.7455
Dust From Material Movement	—	—	—	—	—	0.02091	0.00767	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00448	0.03778	0.04025	0.00009	0.00168	0.00168	0.00155	8.73262
Dust From Material Movement	—	—	—	—	—	0.00382	0.00140	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07319	0.07804	0.93652	0.00000	0.00000	0.26142	0.06128	247.300
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01902	1.37721	0.33366	0.00868	0.02481	0.36423	0.12000	1,276.72
Average Daily	—	—	—	—	—	—	—	—

Worker	0.00057	0.00061	0.00772	0.00000	0.00000	0.00205	0.00048	1.96236
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00016	0.01084	0.00259	0.00007	0.00019	0.00285	0.00094	9.99776
Annual	—	—	—	—	—	—	—	—
Worker	0.00010	0.00011	0.00141	0.00000	0.00000	0.00037	0.00009	0.32489
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00003	0.00198	0.00047	0.00001	0.00004	0.00052	0.00017	1.65524

3.7. Building Construction (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07097	9.66028	14.0357	0.02555	0.32561	0.32561	0.29956	2,639.17
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07097	9.66028	14.0357	0.02555	0.32561	0.32561	0.29956	2,639.17
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48414	4.36698	6.34492	0.01155	0.14719	0.14719	0.13542	1,193.05
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08836	0.79697	1.15795	0.00211	0.02686	0.02686	0.02471	197.523
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.21931	0.19501	3.49892	0.00000	0.00000	0.73877	0.17317	761.087
Vendor	0.01043	0.49352	0.15903	0.00377	0.00755	0.15114	0.04722	508.227
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.20684	0.22055	2.64662	0.00000	0.00000	0.73877	0.17317	698.871
Vendor	0.00969	0.51675	0.16310	0.00377	0.00755	0.15114	0.04722	507.492
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—
Worker	0.09294	0.09970	1.26007	0.00000	0.00000	0.33392	0.07827	320.261
Vendor	0.00455	0.23484	0.07289	0.00171	0.00341	0.06832	0.02134	229.524
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—
Worker	0.01696	0.01820	0.22996	0.00000	0.00000	0.06094	0.01428	53.0228
Vendor	0.00083	0.04286	0.01330	0.00031	0.00062	0.01247	0.00390	38.0003
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9. Paving (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68524	6.62754	9.90989	0.01395	0.25554	0.25554	0.23510	1,516.22
Paving	1.02704	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04693	0.45394	0.67876	0.00096	0.01750	0.01750	0.01610	103.850
Paving	0.07035	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00857	0.08284	0.12387	0.00017	0.00319	0.00319	0.00294	17.1936
Paving	0.01284	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.05820	0.05175	0.92859	0.00000	0.00000	0.19606	0.04596	201.987
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—
Worker	0.00374	0.00401	0.05067	0.00000	0.00000	0.01343	0.00315	12.8780
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—
Worker	0.00068	0.00073	0.00925	0.00000	0.00000	0.00245	0.00057	2.13210
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.11. Architectural Coating (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e

Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14308	1.07752	1.49111	0.00230	0.02048	0.02048	0.01884	178.634
Architectural Coatings	11.0433	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14308	1.07752	1.49111	0.00230	0.02048	0.02048	0.01884	178.634
Architectural Coatings	11.0433	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01764	0.13285	0.18384	0.00028	0.00252	0.00252	0.00232	22.0233
Architectural Coatings	1.36150	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00322	0.02424	0.03355	0.00005	0.00046	0.00046	0.00042	3.64621
Architectural Coatings	0.24847	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.04386	0.03900	0.69978	0.00000	0.00000	0.14775	0.03463	152.217
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04137	0.04411	0.52932	0.00000	0.00000	0.14775	0.03463	139.774
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—
Worker	0.00507	0.00544	0.06873	0.00000	0.00000	0.01821	0.00427	17.4688
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—
Worker	0.00093	0.00099	0.01254	0.00000	0.00000	0.00332	0.00078	2.89215
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Single Family Housing	5.03876	4.55391	44.7066	0.12161	0.08103	11.3217	2.92852	12,638.0
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	5.03876	4.55391	44.7066	0.12161	0.08103	11.3217	2.92852	12,638.0

Daily, Winter (Max)	—	—	—	—	—	—	—	—
Single Family Housing	4.74638	4.87905	37.5293	0.11415	0.08108	11.3218	2.92856	11,857.6
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	4.74638	4.87905	37.5293	0.11415	0.08108	11.3218	2.92856	11,857.6
Annual	—	—	—	—	—	—	—	—
Single Family Housing	0.85813	0.90600	7.09403	0.02103	0.01479	2.06596	0.53439	1,983.61
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.85813	0.90600	7.09403	0.02103	0.01479	2.06596	0.53439	1,983.61

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	2,162.43
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	0.00000

City Park	—	—	—	—	—	—	—	0.00000
Total	—	—	—	—	—	—	—	2,162.43
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	2,162.43
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	0.00000
City Park	—	—	—	—	—	—	—	0.00000
Total	—	—	—	—	—	—	—	2,162.43
Annual	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	358.015
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	0.00000
City Park	—	—	—	—	—	—	—	0.00000
Total	—	—	—	—	—	—	—	358.015

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Single Family Housing	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

City Park	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Single Family Housing	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—
Single Family Housing	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Consumer Products	1.00904	—	—	—	—	—	—	—
Architectural Coatings	0.13615	—	—	—	—	—	—	—

Landscape Equipment	0.77273	0.08372	8.93077	0.00039	0.00411	0.00411	0.00310	23.8987
Total	1.91792	0.08372	8.93077	0.00039	0.00411	0.00411	0.00310	23.8987
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Consumer Products	1.00904	—	—	—	—	—	—	—
Architectural Coatings	0.13615	—	—	—	—	—	—	—
Total	1.14519	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Consumer Products	0.18415	—	—	—	—	—	—	—
Architectural Coatings	0.02485	—	—	—	—	—	—	—
Landscape Equipment	0.09659	0.01046	1.11635	0.00005	0.00051	0.00051	0.00039	2.71007
Total	0.30559	0.01046	1.11635	0.00005	0.00051	0.00051	0.00039	2.71007

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	95.4296
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	0.00000
City Park	—	—	—	—	—	—	—	4.63526
Total	—	—	—	—	—	—	—	100.065

Daily, Winter (Max)	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	95.4296
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	0.00000
City Park	—	—	—	—	—	—	—	4.63526
Total	—	—	—	—	—	—	—	100.065
Annual	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	15.7995
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	0.00000
City Park	—	—	—	—	—	—	—	0.76742
Total	—	—	—	—	—	—	—	16.5669

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	270.989
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	0.00000

City Park	—	—	—	—	—	—	—	0.50593
Total	—	—	—	—	—	—	—	271.495
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	270.989
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	0.00000
City Park	—	—	—	—	—	—	—	0.50593
Total	—	—	—	—	—	—	—	271.495
Annual	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	44.8654
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00000
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	0.00000
City Park	—	—	—	—	—	—	—	0.08376
Total	—	—	—	—	—	—	—	44.9492

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	0.31989
City Park	—	—	—	—	—	—	—	0.00000

Total	—	—	—	—	—	—	—	0.31989
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	0.31989
City Park	—	—	—	—	—	—	—	0.00000
Total	—	—	—	—	—	—	—	0.31989
Annual	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	0.05296
City Park	—	—	—	—	—	—	—	0.00000
Total	—	—	—	—	—	—	—	0.05296

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—

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

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

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	9/1/2027	10/5/2027	5.00000	25.0000	—
Grading	Grading	10/6/2027	1/4/2028	5.00000	65.0000	—
Building Construction	Building Construction	1/5/2028	8/22/2028	5.00000	165.000	—
Paving	Paving	8/23/2028	9/26/2028	5.00000	25.0000	—
Architectural Coating	Architectural Coating	9/27/2028	11/28/2028	5.00000	45.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	0.00000	8.00000	84.0000	0.37000
Site Preparation	Crawler Tractors	Diesel	Average	4.00000	8.00000	87.0000	0.43000
Grading	Excavators	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Scrapers	Diesel	Average	2.00000	8.00000	423.000	0.48000
Grading	Tractors/Loaders/Backhoes	Diesel	Average	0.00000	8.00000	84.0000	0.37000
Grading	Crawler Tractors	Diesel	Average	2.00000	8.00000	87.0000	0.43000
Building Construction	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Average	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	8.00000	37.0000	0.48000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	Worker	17.5000	18.5000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2000	HHDT,MHDT

Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	20.0000	18.5000	LDA,LDT1,LDT2
Grading	Vendor	—	10.2000	HHDT,MHDT
Grading	Hauling	18.7538	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	56.5200	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	16.7833	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	—	10.2000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	11.3040	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	90,446.6	30,148.9	0.00000	0.00000	46,888.0

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	87.5000	0.00000	0.00000
Grading	—	9,746.00	195.000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	19.6700

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Single Family Housing	1.73003	0%
Paving	Other Asphalt Surfaces	6.00000	100%
Paving	Other Asphalt Surfaces	3.80000	100%
Paving	Other Non-Asphalt Surfaces	8.14000	0%
Paving	City Park	0.00000	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00000	531.983	0.03300	0.00400
2028	0.00000	531.983	0.03300	0.00400

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	1,427.13	1,427.13	1,427.13	520,902	15,879.5	15,879.5	15,879.5	5,796,020
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
City Park	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Single Family Housing	Wood Fireplaces	0	0
Single Family Housing	Gas Fireplaces	0	0
Single Family Housing	Propane Fireplaces	0	0
Single Family Housing	Electric Fireplaces	0	0
Single Family Housing	No Fireplaces	0	0
Single Family Housing	Conventional Wood Stoves	0	0
Single Family Housing	Catalytic Wood Stoves	0	0
Single Family Housing	Non-Catalytic Wood Stoves	0	0
Single Family Housing	Pellet Wood Stoves	0	0
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0

Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0
Other Non-Asphalt Surfaces	Wood Fireplaces	0	0
Other Non-Asphalt Surfaces	Gas Fireplaces	0	0
Other Non-Asphalt Surfaces	Propane Fireplaces	0	0
Other Non-Asphalt Surfaces	Electric Fireplaces	0	0
Other Non-Asphalt Surfaces	No Fireplaces	0	0
Other Non-Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Non-Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Pellet Wood Stoves	0	0
City Park	Wood Fireplaces	0	0
City Park	Gas Fireplaces	0	0
City Park	Propane Fireplaces	0	0

City Park	Electric Fireplaces	0	0
City Park	No Fireplaces	0	0
City Park	Conventional Wood Stoves	0	0
City Park	Catalytic Wood Stoves	0	0
City Park	Non-Catalytic Wood Stoves	0	0
City Park	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
90,446.6	30,148.9	0.00000	0.00000	46,888.0

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	250.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	2,266,678	346.196	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	346.196	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	346.196	0.0330	0.0040	0.00000
Other Non-Asphalt Surfaces	0.00000	346.196	0.0330	0.0040	0.00000
City Park	0.00000	346.196	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	6,385,783	290,339
Other Asphalt Surfaces	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000
City Park	0.00000	915,570

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	143.718	0.00000
Other Asphalt Surfaces	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000
Other Non-Asphalt Surfaces	0.00000	0.00000
City Park	0.26832	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000

Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000
City Park	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	29.1500	annual days of extreme heat
Extreme Precipitation	2.60000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	15.2400	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A

Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	1	1	4
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	95.2707
AQ-PM	50.6783
AQ-DPM	43.1736
Drinking Water	10.2036
Lead Risk Housing	35.1229
Pesticides	57.8276
Toxic Releases	25.3063
Traffic	81.8000
Effect Indicators	—
CleanUp Sites	0.00000
Groundwater	0.00000
Haz Waste Facilities/Generators	35.6188
Impaired Water Bodies	0.00000
Solid Waste	35.7159
Sensitive Population	—
Asthma	39.0828
Cardio-vascular	72.9187
Low Birth Weights	37.8753
Socioeconomic Factor Indicators	—
Education	86.3579
Housing	73.4094
Linguistic	44.3632
Poverty	87.7638
Unemployment	67.4779

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	21.59630438
Employed	8.956756063
Median HI	35.94251251
Education	—
Bachelor's or higher	3.836776594
High school enrollment	6.685486975
Preschool enrollment	31.33581419
Transportation	—
Auto Access	49.51879892
Active commuting	15.06480175
Social	—
2-parent households	62.08135506
Voting	24.39368664
Neighborhood	—
Alcohol availability	66.20043629
Park access	2.194276915
Retail density	9.316052868
Supermarket access	32.97831387
Tree canopy	0.667265495
Housing	—
Homeownership	65.03272167
Housing habitability	43.02579238
Low-inc homeowner severe housing cost burden	15.44976261
Low-inc renter severe housing cost burden	71.34607982

Uncrowded housing	14.42320031
Health Outcomes	—
Insured adults	9.547029385
Arthritis	32.0
Asthma ER Admissions	60.6
High Blood Pressure	38.5
Cancer (excluding skin)	55.0
Asthma	27.9
Coronary Heart Disease	28.5
Chronic Obstructive Pulmonary Disease	23.6
Diagnosed Diabetes	33.2
Life Expectancy at Birth	16.6
Cognitively Disabled	44.8
Physically Disabled	87.9
Heart Attack ER Admissions	34.3
Mental Health Not Good	26.2
Chronic Kidney Disease	27.1
Obesity	17.5
Pedestrian Injuries	90.3
Physical Health Not Good	26.5
Stroke	39.4
Health Risk Behaviors	—
Binge Drinking	35.4
Current Smoker	23.0
No Leisure Time for Physical Activity	24.4
Climate Change Exposures	—
Wildfire Risk	7.3
SLR Inundation Area	0.0

Children	81.0
Elderly	85.6
English Speaking	69.8
Foreign-born	42.8
Outdoor Workers	5.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	92.8
Traffic Density	52.0
Traffic Access	23.0
Other Indices	—
Hardship	80.6
Other Decision Support	—
2016 Voting	37.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	58.0000
Healthy Places Index Score for Project Location (b)	11.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	The lot acreage is estimated based on the plotting plan. The building area (44,665 square feet) is estimated by multiplying the maximum building square footage (2,845 square feet) by 157.
Construction: Construction Phases	Adjusted based on the provided info by the applicant.
Construction: Off-Road Equipment	Added typical equipment used for trenching. Assumed all construction will be utilized 8 hours per work day. Replaced Tractors/Loaders/Backhoes with Crawler Tractors in the Site Preparation and Grading Phases.
Construction: Dust From Material Movement	Based on the grading plan, the expected net export is 9,746 CY.
Operations: Vehicle Data	Adjusted rates for Weekday Trips (based on ITE 12th Edition) to match ITE trip rates for 210-Single-Family Detached Housing. Utilized weekday trip rates for both weekends and weekdays to maintain consistency with the project's traffic study.
Operations: Hearths	Fireplaces and Wood Stoves are removed in accordance with SCAQMD Rule 445.
Operations: Energy Use	Since the Project does not include natural gas, the estimated natural gas consumption is converted to electricity-equivalent using a factor of 0.18 and added to the electricity consumption, based on the American Gas Association (AGA) 2022, Comparison of Home Appliance Energy Use, Operating Costs, and Carbon Dioxide Emissions – 2022 Update.

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	50.9740	24.2400
Building Area	sq. ft	306,150	44,665.0
Landscape Area	sq. ft	1,838,919	14,982.0
Landscape Area	sq. ft	—	0.00000
Special Landscape Area	sq. ft	0.00000	47,245.0

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Site Preparation	Site Preparation	Start Date	11/11/2027	9/1/2027
Site Preparation	Site Preparation	End Date	12/23/2027	10/5/2027
Site Preparation	Site Preparation	Work Days per Phase	30.0000	25.0000
Grading	Grading	Start Date	12/24/2027	10/6/2027
Grading	Grading	End Date	4/7/2028	1/4/2028
Grading	Grading	Work Days per Phase	75.0000	65.0000
Building Construction	Building Construction	Start Date	4/8/2028	1/5/2028
Building Construction	Building Construction	End Date	2/8/2031	8/22/2028
Building Construction	Building Construction	Work Days per Phase	740.000	165.000
Paving	Paving	Start Date	2/9/2031	8/23/2028
Paving	Paving	End Date	4/27/2031	9/26/2028
Paving	Paving	Work Days per Phase	55.0000	25.0000
Architectural Coating	Architectural Coating	Start Date	4/28/2031	9/27/2028
Architectural Coating	Architectural Coating	End Date	7/14/2031	11/28/2028
Architectural Coating	Architectural Coating	Work Days per Phase	55.0000	45.0000

8.4.2. Off-Road Equipment

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Site Preparation	Tractors/Loaders/Backhoes	Number per Day	4.00000	0.00000
Grading	Tractors/Loaders/Backhoes	Number per Day	2.00000	0.00000
Building Construction	Cranes	Hours Per Day	7.00000	8.00000
Building Construction	Tractors/Loaders/Backhoes	Hours Per Day	7.00000	8.00000
Architectural Coating	Air Compressors	Hours Per Day	6.00000	8.00000

8.4.4. Dust from Material Movement

Phase Name	Model Parameter	Units	Default Value	New Value
Grading	Material Exported	Cubic Yards	—	9,746.00
Grading	Total Acres Graded	acres	260.000	195.000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Single Family Housing	Weekday Trip Rate	size/day	9.44000	9.09000
Single Family Housing	Saturday Trip Rate	size/day	9.54000	9.09000
Single Family Housing	Sunday Trip Rate	size/day	8.55000	9.09000
City Park	Weekday Trip Rate	size/day	0.78000	0.00000
City Park	Saturday Trip Rate	size/day	1.96000	0.00000
City Park	Sunday Trip Rate	size/day	2.19000	0.00000

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Single Family Housing	Electricity	kWh/yr	1,466,261	2,266,678
Single Family Housing	Electricity (Subject to Title 24)	kWh/yr	507,780	784,972
Single Family Housing	Electricity (Not Subject to Title 24)	kWh/yr	958,481	1,481,706
Single Family Housing	Natural Gas	kBTU/yr	5,583,597	0.00000
Single Family Housing	Natural Gas (Not Subject to Title 24)	kBTU/yr	780,013	0.00000

ATTACHMENT B: DETAILED CALCULATION SHEETS

Regional Construction Emissions

Construction Activity	Maximum Daily Regional Emissions (pounds/day)					
	ROG	NOx	CO	SOx	PM_{10}	$PM_{2.5}$
Maximum Daily Emissions (2027)	**3.72**	**32.81**	**31.54**	**0.07**	**7.51**	**4.23**
Maximum Daily Emissions (2028)	**11.23**	**27.90**	**29.45**	**0.07**	**4.47**	**2.24**
Maximum Daily Emissions	***11.23***	***32.81***	***31.54***	***0.07***	***7.51***	***4.23***
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: ROG = reactive organic gases, NOx = nitrogen oxides, CO = carbon monoxide, SOx = sulfur oxides, PM_{10} = particulate matter 10 microns in diameter, $PM_{2.5}$ = particulate matter 2.5 microns in diameter

Source: CalEEMod Output Sheets.

Construction Emissions

Construction Activity	Maximum Daily Regional Emissions (pounds/day)					
	ROG	NOx	CO	SOx	PM_{10}	$PM_{2.5}$
2027 (Year 1)						
Site Preparation	**3.72**	**32.81**	**31.54**	**0.05**	**7.51**	**4.23**
Off-Road	3.65	32.74	30.37	0.05	1.62	1.49
Onsite Truck					5.66	2.69
Off-Site (Worker Trip)	0.07	0.07	1.16	0.00	0.23	0.05
Grading	**3.34**	**29.47**	**29.67**	**0.07**	**4.56**	**2.33**
Off-Road	3.24	27.97	28.33	0.06	1.27	1.17
Dust From Material Movement					2.67	0.98
Off-Site (Worker Trip)	0.08	0.08	1.00	0.00	0.26	0.06
Off-Site (Hauling Trip)	0.02	1.42	0.34	0.01	0.36	0.12
Maximum Daily Emissions (2027)	***3.72***	***32.81***	***31.54***	***0.07***	***7.51***	***4.23***
2028(Year 2)						
Grading	**3.23**	**27.90**	**29.45**	**0.07**	**4.47**	**2.24**
Off-Road	3.14	26.45	28.18	0.06	1.18	1.08
Dust From Material Movement					2.67	0.98
Off-Site (Worker Trip)	0.07	0.08	0.94	0.00	0.26	0.06
Off-Site (Hauling Trip)	0.02	1.38	0.33	0.01	0.36	0.12
Building Construction	**1.30**	**10.40**	**17.69**	**0.03**	**1.22**	**0.52**
Off-Road	1.07	9.66	14.04	0.03	0.33	0.30
Off-Site (Worker Trip)	0.22	0.22	3.50	0.00	0.74	0.17
Off-Site (Vendor Trip)	0.01	0.52	0.16	0.00	0.15	0.05
Paving	**1.77**	**6.68**	**10.84**	**0.01**	**0.45**	**0.28**
Off-Road	0.69	6.63	9.91	0.01	0.26	0.24
Paving	1.03					
Off-Site (Worker Trip)	0.06	0.05	0.93	0.00	0.20	0.05
Architectural Coating	**11.23**	**1.12**	**2.19**	**0.00**	**0.17**	**0.05**
Off-Road	0.14	1.08	1.49	0.00	0.02	0.02
Architectural Coating	11.04					
Off-Site (Worker Trip)	0.04	0.04	0.70	0.00	0.15	0.03
Maximum Daily Emissions (2028)	***11.23***	***27.90***	***29.45***	***0.07***	***4.47***	***2.24***
Maximum Daily Emissions	**11.23**	**32.81**	**31.54**	**0.07**	**7.51**	**4.23**
SCAQMD Thresholds	*75*	100	*550*	150	150	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: ROG = reactive organic gases, NOx = nitrogen oxides, CO = carbon monoxide, SOx = sulfur oxides, PM_{10} = particulate matter 10 microns in diameter, $PM_{2.5}$ = particulate matter 2.5 microns in diameter

Source: CalEEMod Output Sheets.

Operational Emissions

Operational Activity	Maximum Daily Regional Emissions (pounds/day)					
	ROG	**NOx**	**CO**	**SOx**	**PM_{10}**	**$PM_{2.5}$**
Mobile	5.04	4.88	44.71	0.12	11.32	2.93
Area	1.92	0.08	8.93	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00
Total Operational Emissions	**6.96**	**4.96**	**53.64**	**0.12**	**11.33**	**2.93**
SCAQMD Significance Thresholds	*55*	*55*	*550*	150	150	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

<0.01

Construction Equipment Modeled in CalEEMod and Acres Disturbed Per Day

Activity	Equipment Type	Equipment Quantity	Operating Hours per Day	Acres Disturbed per Piece of Equipment per Day	Acres Disturbed per Day
Site Preparation	Rubber Tired Dozers	3	8	0.5	1.5
	Crawler Tractors	4	8	0.5	2
				Total Acres Disturbed Per Day	**3.5**
Grading	Excavators	2	8	0	0
	Graders	1	8	0.5	0.5
	Rubber Tired Dozers	1	8	0.5	0.5
	Scrapers	2	8	0	0
	Crawler Tractors	2	8	0.5	1
				Total Acres Disturbed Per Day	2
				Maximum Acres Disturbed Per Day	**3.5**

Source: CalEEMod Output Sheets.

Localized Construction Emission Estimates

Construction Activity	Maximum Daily Localized Emissions (pounds/day)			
	NO_x	CO	PM_{10}	$PM_{2.5}$
2027(Year 1)				
Site Preparation	32.74	30.37	7.28	4.18
Grading	27.97	28.33	3.94	2.15
Maximum On-site Emission (2027)	***32.74***	***30.37***	***7.28***	***4.18***
2028 (Year 2)				
Grading	26.45	28.18	3.85	2.06
Building Construction	9.66	14.04	0.33	0.30
Paving	6.63	9.91	0.26	0.24
Architectural Coating	1.08	1.49	0.02	0.02
Maximum On-site Emission (2028)	***26.45***	***28.18***	***3.85***	***2.06***
Maximum Daily Emissions	**32.74**	**30.37**	**7.28**	**4.18**
SCAQMD Screening Thresholds	220.00	1230.00	10.00	6.00
Threshold Exceeded?	**No**	**No**	**No**	**No**

Construction Equipment Fuel Usage (Off-Road)

Activity	Equipment	Number	Hours per day	Horse-power	Load Factor	Days of Construction	Total Horsepower-hours	Fuel Rate (gal/hp-hr)	Fuel Use (gallons)	
Site Preparation	Rubber Tired Dozers	3	8	367	0.4	25	88,080	0.04739936	4,175	
	Crawler Tractors	4	8	87	0.43	25	29,928	0.05041578	1,509	
Grading	Excavators	2	8	36	0.38	65	14,227	0.0511235	727	
	Graders	1	8	148	0.41	65	31,554	0.05198203	1,640	
	Rubber Tired Dozers	1	8	367	0.4	65	76,336	0.04739936	3,618	
	Scrapers	2	8	423	0.48	65	211,162	0.04810471	10,158	
	Crawler Tractors	2	8	87	0.43	65	38,906	0.05041578	1,961	
Building Construction	Cranes	1	8	367	0.29	165	140,488	0.05388133	7,570	0.249025375
	Forklifts	3	8	82	0.2	165	64,944	0.05343999	3,471	0.282173748
	Generator Sets	1	8	14	0.74	165	13,675	0.09412483	1,287	0.768872124
	Tractors/Loaders/Backhoes	3	8	84	0.37	165	123,077	0.04637299	5,707	
	Welders	1	8	46	0.45	165	27,324	0.03435461	939	
Paving	Pavers	2	8	81	0.42	25	13,608	0.05163287	703	
	Paving Equipment	2	8	89	0.36	25	12,816	0.66377762	8,507	
	Rollers	2	8	36	0.38	25	5,472	0.05346164	293	
Architectual Coating	Air Compressors	1	8	37	0.48	45	6,394	0.6913296	4,420	
								Total	**56,685**	

Source: Fuel Calculation Sheets (see Attachment C)

Model Output: OFFROAD2021 (v1.0.9) Emissions Inventory
Region Type: Sub-Area
Region: Riverside (SC)
Calendar Year: 2027
Scenario: All Adopted Rules - Exhaust
Vehicle Classification: OFFROAD2021 Equipment Types
Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Year	Vehicle Category	Model Year	Horsepower B	Fuel	Fuel Consur	Horsepower_Hours_	Fuel Rate	
Riverside (SC)		2027 Construction and Mining - Rubber Tired Dozers	Aggregate	Aggregate	Diesel	191238.43	4034620.644	0.047399	
Riverside (SC)		2027 Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	Aggregate	Diesel	11953.75	257773.95	0.046373	
Riverside (SC)		2027 Construction and Mining - Graders	Aggregate	Aggregate	Diesel	761987.84	14658677.94	0.051982	
Riverside (SC)		2027 Construction and Mining - Excavators	Aggregate	Aggregate	Diesel	5113147.8	100015614.7	0.051123	
Riverside (SC)		2027 Construction and Mining - Scrapers	Aggregate	Aggregate	Diesel	1982973.9	41222034.97	0.048105	
Riverside (SC)		2027 Industrial - Forklifts	Aggregate	Aggregate	Diesel	381527.71	7139366.867	0.05344	
Riverside (SC)		2027 Light Commercial - Misc - Generator Sets	Aggregate	Aggregate	Diesel	210409.61	2235431.55	0.094125	
Riverside (SC)		2027 Construction and Mining - Cranes	Aggregate	Aggregate	Diesel	589160.85	10934416.28	0.053881	
Riverside (SC)		2027 Light Commercial - Misc - Welders	Aggregate	Aggregate	Diesel	209758.35	6105683.5	0.034355	
Riverside (SC)		2027 Construction and Mining - Pavers	Aggregate	Aggregate	Diesel	331428.21	6418938.987	0.051633	
Riverside (SC)		2027 Construction and Mining - Paving Equipment	Aggregate	Aggregate	Diesel	64560.04	97261.55	0.663778	
Riverside (SC)		2027 Construction and Mining - Rollers	Aggregate	Aggregate	Diesel	890223.3	16651627.16	0.053462	
Riverside (SC)		2027 Light Commercial - Misc - Air Compressors	Aggregate	Aggregate	Gasoline	1752867.4	2535501.7	0.69133	
Riverside (SC)		2027 Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	Aggregate	Diesel	2328.0382	54202.5	0.042951	
Riverside (SC)		2027 Construction and Mining - Crawler Tractors	Aggregate	Aggregate	Gasoline	1617601.4	32085218.02	0.050416	
Riverside (SC)		2027 Construction and Mining - Off-Highway Trucks	Aggregate	Aggregate	Diesel	2133252.3	43834291.49	0.048666	
Riverside (SC)		2027 Light Commercial - Misc - Pumps	Aggregate	Aggregate	Gasoline	363491.66	1610288.75	0.225731	46352.02

Construction On-Road Fuel Consumption

Construction Source	Total Trips	VMT	Fuel Rate (Miles/Gallons)	Gallons of Diesel Fuel	Gallons of Gasoline Fuel
Haul Trucks	1,220.5	24410.0	6.4	3,843.6	-
Vendor Trucks	5,537.4	56481.5	8.0	7,103.7	-
Worker Vehicles	23,893.6	442031.6	28.1	-	15,723.9
			Total	**10,947.2**	**15,723.9**

Source: CalEEMod Output Sheets (see Attachment B)

	Duration(days)
SP	25
GR	65
BC	165
PV	25
C	45

5.3. Construction Vehicles

5.3.1 Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation				
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor		10.2	HHDT,MHDT
Site Preparation	Hauling	0	20	HHDT
Site Preparation	Onsite truck			HHDT
Grading	Worker	20	18.5	LDA,LDT1,LDT2
Grading	Vendor		10.2	HHDT,MHDT
Grading	Hauling	18.75384615	20	HHDT
Grading	Onsite truck			HHDT
Building Construction	Worker	56.52	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	16.78	10.2	HHDT,MHDT
Building Construction	Hauling	0	20	HHDT
Building Construction	Onsite truck			HHDT
Paving	Worker	15	18.5	LDA,LDT1,LDT2
Paving	Vendor		10.2	HHDT,MHDT
Paving	Hauling	0	20	HHDT
Paving	Onsite truck			HHDT
Architectural Coating	Worker	11.3	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor		10.2	HHDT,MHDT
Architectural Coating	Hauling	0	20	HHDT
Architectural Coating	Onsite truck			HHDT

	Weighted Vendor	
MHD	9.07	0.5882
HHD	6.35	0.4118

	Weighted Worker	
LDA	31.49	0.376563
LDT1	26.01	0.31099
LDT2	26.13	0.312446
	83.63	

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: Riverside (SC)
Calendar Year: 2027 2027 Construction start year
Season: Annual
Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT ar	Calendar Year	Vehicle Category	Model Year	Speed
Riverside (SC)	2027	MHDT	Aggregate	Aggregate
Riverside (SC)	2027	HHDT	Aggregate	Aggregate

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: Riverside (SC)
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumptior

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	Fuel Const	Fuel Rate	
Riverside (SC)		LDA	Aggregate	Aggregate	Diesel	580928.6	64.04015	9.07	100%
Riverside (SC)		LDT1	Aggregate	Aggregate	Diesel	2023648	318.642	6.35	100%
Riverside (SC)		LDT2	Aggregate	Aggregate		Weighted Vendor		7.95103	

HAULING TRIPS

	CalEEMod Daily Trucks	CY/per truck	CY	Total Trucks	Miles	Truck Miles
Import	19	16		0	20.0	0
Export	19	16	9764	610	20.0	24410
				610		24410

mpg gal fuel
10.2 #######

Fuel	VMT	Fuel Consumption		
Gasoline	20354485	646.3182	31.49	100%
Gasoline	1456607	56.00412	26.01	100%
Gasoline	9414153	360.2721	26.13	100%
	iP From Vehicle Splits		28.11206	

Construction Fuel Consumption Summary

Construction Source	Gallons of Diesel Fuel	Gallons of Gasoline Fuel
Construction Vehicles	10,947.2	15,723.9
Off-Road Construction Equipment	56,685.0	-
Total	**67,632.2**	**15,723.9**
Countywide	50,504,775.2	430,881,898.5
Percentage Increase	**0.1339%**	**0.0036%**

Model Output: OFFROAD2021 (v1.0.5) Emissions Inventory
Region Type: County
Region: Riverside
Calendar Year: 2027
Scenario: All Adopted Rules - Exhaust
Vehicle Classification: OFFROAD2021 Equipment Types
Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Year	Vehicle Category	Model Yea	Horsepow	Fuel	Fuel Consur	Total_Activity_I	Total_Popu	Horsepower_Hours_hhp
Riverside		2027 Construction and Mining - Concrete Mixer	Aggregate	Aggregate	Diesel	2235.2763	1113.590958	2.23529	43560.23
Riverside		2027 Construction and Mining - Concrete Pump	Aggregate	Aggregate	Diesel	22740.621	6350.790755	9.730586	447677.4
Riverside		2027 Construction and Mining - Crane less than 35ton	Aggregate	Aggregate	Diesel	11685.495	5495.742186	23.15044	212053.1
Riverside		2027 Construction and Mining - Cranes	Aggregate	Aggregate	Diesel	589160.85	129431.8064	507.6858	10934416
Riverside		2027 Construction and Mining - Crawler Tractors	Aggregate	Aggregate	Diesel	1617601.4	334455.7757	794.8067	32085218
Riverside		2027 Construction and Mining - Crushing/Processing Equipment	Aggregate	Aggregate	Diesel	86248.531	18797.45221	32.34596	1703124
Riverside		2027 Construction and Mining - Excavators	Aggregate	Aggregate	Diesel	5113147.8	1723483.29	2998.645	1E+08
Riverside		2027 Construction and Mining - Graders	Aggregate	Aggregate	Diesel	761987.84	170304.4211	465.5778	14658678
Riverside		2027 Construction and Mining - Hopper Tractor Trailer	Aggregate	Aggregate	Diesel	1457.5387	296.6549602	0.525951	28893.66
Riverside		2027 Construction and Mining - Misc - Cement And Mortar Mixe	Aggregate	Aggregate	Gasoline	34258.332	0	1981.986	0
Riverside		2027 Construction and Mining - Misc - Cement And Mortar Mixe	Aggregate	Aggregate	Diesel	59.3987	0	45.92933	0
Riverside		2027 Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	Aggregate	Gasoline	44244.648	4208.45	284.3283	194705.6
Riverside		2027 Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	Aggregate	Diesel	2328.0382	1642.5	4.207846	54202.5
Riverside		2027 Construction and Mining - Misc - Cranes	Aggregate	Aggregate	Gasoline	4956.7	1660.75	3.96	105225.8
Riverside		2027 Construction and Mining - Misc - Dumpers/Tenders	Aggregate	Aggregate	Gasoline	3566.13	87.6	132.9435	5781.6
Riverside		2027 Construction and Mining - Misc - Dumpers/Tenders	Aggregate	Aggregate	Diesel	4.8036	0	1.940776	0
Riverside		2027 Construction and Mining - Misc - Excavators	Aggregate	Aggregate	Diesel	34.2311	0	3.043203	0
Riverside		2027 Construction and Mining - Misc - Other	Aggregate	Aggregate	Gasoline	7599.3	1387	6.318226	174762
Riverside		2027 Construction and Mining - Misc - Other	Aggregate	Aggregate	Diesel	127.7443	0	29.32446	0
Riverside		2027 Construction and Mining - Misc - Pavers	Aggregate	Aggregate	Diesel	9.0413	0	1.204106	0
Riverside		2027 Construction and Mining - Misc - Paving Equipment	Aggregate	Aggregate	Gasoline	64560.04	2273.95	1420.309	97261.55
Riverside		2027 Construction and Mining - Misc - Paving Equipment	Aggregate	Aggregate	Diesel	15.3327	0	2.981239	0
Riverside		2027 Construction and Mining - Misc - Rollers	Aggregate	Aggregate	Gasoline	31222.966	4763.25	149.4669	294828.8
Riverside		2027 Construction and Mining - Misc - Rollers	Aggregate	Aggregate	Diesel	262.08	0	80.40557	0
Riverside		2027 Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	Aggregate	Gasoline	18622.3	5153.8	10.51663	350400
Riverside		2027 Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	Aggregate	Diesel	6.2821	0	0.791209	0
Riverside		2027 Construction and Mining - Misc - Tractors/Loaders/Backhoe	Aggregate	Aggregate	Gasoline	11953.75	4091.65	5.594928	257773.9
Riverside		2027 Construction and Mining - Misc - Tractors/Loaders/Backhoe	Aggregate	Aggregate	Diesel	163.62	0	22.37446	0
Riverside		2027 Construction and Mining - Off-Highway Trucks	Aggregate	Aggregate	Diesel	2133252.3	250823.3999	323.301	43834291
Riverside		2027 Construction and Mining - Pavers	Aggregate	Aggregate	Diesel	331428.21	101981.4377	210.815	6418939
Riverside		2027 Construction and Mining - Paving Equipment	Aggregate	Aggregate	Diesel	366756.68	114967.8246	219.6468	7153092
Riverside		2027 Construction and Mining - Rollers	Aggregate	Aggregate	Diesel	890223.3	465815.7903	1064.295	16651627
Riverside		2027 Construction and Mining - Rubber Tired Dozers	Aggregate	Aggregate	Diesel	191238.43	35545.31736	66.14988	4034621
Riverside		2027 Construction and Mining - Rubber Tired Loaders	Aggregate	Aggregate	Diesel	3740964.2	954186.265	1395.041	74352309
Riverside		2027 Construction and Mining - Scrapers	Aggregate	Aggregate	Diesel	1982973.9	225940.2349	699.2061	41222035
Riverside		2027 Construction and Mining - Skid Steer Loaders	Aggregate	Aggregate	Diesel	1777065.8	1168103.602	2594.296	31823480
Riverside		2027 Construction and Mining - Spray Truck	Aggregate	Aggregate	Diesel	21680.467	7532.285673	13.67508	420772.4
Riverside		2027 Construction and Mining - Tanker Truck Trailer	Aggregate	Aggregate	Diesel	2811.7388	1111.108179	1.70934	53972.69
Riverside		2027 Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	Aggregate	Diesel	5055567.6	2294074.626	4478.258	94590090
Riverside		2027 Construction and Mining - Water Truck	Aggregate	Aggregate	Diesel	168014.78	25897.99654	44.5902	3333269
Riverside		2027 Industrial - Forklifts	Aggregate	Aggregate	Diesel	381527.71	362699.7298	766.1708	7139367
Riverside		2027 Industrial - Misc - Sweepers/Scrubbers	Aggregate	Aggregate	Gasoline	75515.147	21724.8	69.56394	1090543
Riverside		2027 Industrial - Misc - Sweepers/Scrubbers	Aggregate	Aggregate	Diesel	14.1209	0	2.643102	0
Riverside		2027 Industrial - Other General Industrial Equipment	Aggregate	Aggregate	Diesel	112400.66	47949.80955	108.7137	2218224
Riverside		2027 Industrial - Other Truck	Aggregate	Aggregate	Diesel	67267.002	12588.45191	18.89109	1337638
Riverside		2027 Industrial - Railcars or Track Cars	Aggregate	Aggregate	Diesel	5186.1559	1433.251246	2.379481	102913.8
Riverside		2027 Industrial - Sweepers/Scrubbers	Aggregate	Aggregate	Diesel	22685.316	13700.59976	47.45597	405719.3
Riverside		2027 Industrial - Tow Tractor	Aggregate	Aggregate	Diesel	153.30813	19.10194082	0.035505	3039.119
Riverside		2027 Industrial - Yard Goat	Aggregate	Aggregate	Diesel	180005.63	51981.59732	44.17195	3578979
Riverside		2027 Light Commercial - Misc - Air Compressors	Aggregate	Aggregate	Gasoline	1752867.4	38846.95	18307.81	2535502
Riverside		2027 Light Commercial - Misc - Air Compressors	Aggregate	Aggregate	Diesel	38692.764	33660.3	51.24513	1245431
Riverside		2027 Light Commercial - Misc - Air Compressors	Aggregate	Aggregate	Electric	0	0	2232501	0
Riverside		2027 Light Commercial - Misc - Generator Sets	Aggregate	Aggregate	Gasoline	2945862.4	82453.5	119836.3	3445494
Riverside		2027 Light Commercial - Misc - Generator Sets	Aggregate	Aggregate	Diesel	210409.61	67740.35	773.4128	2235432
Riverside		2027 Light Commercial - Misc - Generator Sets	Aggregate	Aggregate	Electric	0	0	21590.58	0
Riverside		2027 Light Commercial - Misc - Generator Sets	Aggregate	Aggregate	Nat Gas	14943.1	1733.75	15.55	194260.3
Riverside		2027 Light Commercial - Misc - Pumps	Aggregate	Aggregate	Gasoline	363491.66	24068.1	10272.85	1610289
Riverside		2027 Light Commercial - Misc - Pumps	Aggregate	Aggregate	Diesel	114882.15	35364.85	410.5232	1308499
Riverside		2027 Light Commercial - Misc - Pumps	Aggregate	Aggregate	Electric	0	0	117445.6	0
Riverside		2027 Light Commercial - Misc - Welders	Aggregate	Aggregate	Gasoline	755705.42	40945.7	13673.36	2456870
Riverside		2027 Light Commercial - Misc - Welders	Aggregate	Aggregate	Diesel	209758.35	132732.25	417.8049	6105684
Riverside		2027 Light Commercial - Misc - Welders	Aggregate	Aggregate	Electric	0	0	57643.6	0
Riverside		2028 Construction and Mining - Bore/Drill Rigs	Aggregate	Aggregate	Diesel	479499.4	85585.67901	146.9614	9650913
Riverside		2028 Construction and Mining - Bucket	Aggregate	Aggregate	Diesel	11598.992	3403.661299	6.209717	221783.7
Riverside		2028 Construction and Mining - Compactor	Aggregate	Aggregate	Diesel	18568.943	5880.569937	10.17919	365204.4
Riverside		2028 Construction and Mining - Concrete Mixer	Aggregate	Aggregate	Diesel	1689.7727	858.5017927	1.730694	33687.95
Riverside		2028 Construction and Mining - Concrete Pump	Aggregate	Aggregate	Diesel	17678.501	4907.648075	7.533095	346813.2
Riverside		2028 Construction and Mining - Crane less than 35ton	Aggregate	Aggregate	Diesel	9479.9695	4242.222292	17.92207	163676.9
Riverside		2028 Construction and Mining - Cranes	Aggregate	Aggregate	Diesel	468206.57	100453.0701	393.0228	8486400
Riverside		2028 Construction and Mining - Crawler Tractors	Aggregate	Aggregate	Diesel	1264836.8	259296.1389	615.3479	24867301
Riverside		2028 Construction and Mining - Crushing/Processing Equipment	Aggregate	Aggregate	Diesel	66383.042	14469.12088	25.03933	1310677
Riverside		2028 Construction and Mining - Excavators	Aggregate	Aggregate	Diesel	3953625.4	1330509.346	2321.474	77262422
Riverside		2028 Construction and Mining - Graders	Aggregate	Aggregate	Diesel	605769.1	132062.4289	360.4661	11359725
Riverside		2028 Construction and Mining - Hopper Tractor Trailer	Aggregate	Aggregate	Diesel	1120.8865	227.9191063	0.407137	22220
Riverside		2028 Construction and Mining - Misc - Asphalt Pavers	Aggregate	Aggregate	Gasoline	1874.45	430.7	3.939611	18122.25
Riverside		2028 Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	Aggregate	Gasoline	1197.75	113.15	3.471599	9957.2
Riverside		2028 Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	Aggregate	Diesel	32.9	0	5.374181	0
Riverside		2028 Construction and Mining - Misc - Cement And Mortar Mixe	Aggregate	Aggregate	Gasoline	8099.8	0	469.0329	0
Riverside		2028 Construction and Mining - Misc - Cement And Mortar Mixe	Aggregate	Aggregate	Diesel	47.45	0	36.69034	0
Riverside		2028 Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	Aggregate	Gasoline	9831.8	821.25	66.73655	38022.05
Riverside		2028 Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	Aggregate	Diesel	1855.85	1343.2	3.40761	44325.6
Riverside		2028 Construction and Mining - Misc - Cranes	Aggregate	Aggregate	Gasoline	1003.75	328.5	0.74	20257.5
Riverside		2028 Construction and Mining - Misc - Crushing/Proc. Equipmen	Aggregate	Aggregate	Gasoline	47.8	0	0.356403	0
Riverside		2028 Construction and Mining - Misc - Dumpers/Tenders	Aggregate	Aggregate	Gasoline	833.6	0	31.35954	0
Riverside		2028 Construction and Mining - Misc - Dumpers/Tenders	Aggregate	Aggregate	Diesel	3.83	0	1.548954	0
Riverside		2028 Construction and Mining - Misc - Excavators	Aggregate	Aggregate	Diesel	27.3	0	2.428986	0
Riverside		2028 Construction and Mining - Misc - Other	Aggregate	Aggregate	Gasoline	1481.9	270.1	1.2456	34032.6
Riverside		2028 Construction and Mining - Misc - Other	Aggregate	Aggregate	Diesel	102.1	0	23.45186	0
Riverside		2028 Construction and Mining - Misc - Pavers	Aggregate	Aggregate	Diesel	7.21	0	0.96001	0
Riverside		2028 Construction and Mining - Misc - Paving Equipment	Aggregate	Aggregate	Gasoline	15035.95	438	335.0632	18640.55
Riverside		2028 Construction and Mining - Misc - Paving Equipment	Aggregate	Aggregate	Diesel	12.2	0	2.378101	0
Riverside		2028 Construction and Mining - Misc - Plate Compactors	Aggregate	Aggregate	Gasoline	5548.2	0	183.7121	0
Riverside		2028 Construction and Mining - Misc - Plate Compactors	Aggregate	Aggregate	Diesel	34.2	0	21.23308	0
Riverside		2028 Construction and Mining - Misc - Rollers	Aggregate	Aggregate	Gasoline	6582.5	938.05	34.78144	57732.05
Riverside		2028 Construction and Mining - Misc - Rollers	Aggregate	Aggregate	Diesel	209.9	0	64.25438	0
Riverside		2028 Construction and Mining - Misc - Rough Terrain Forklifts	Aggregate	Aggregate	Gasoline	6774.4	1328.6	3.26	108770
Riverside		2028 Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	Aggregate	Gasoline	3642.7	1011.05	2.03904	68941.2
Riverside		2028 Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	Aggregate	Diesel	4.98	0	0.627054	0
Riverside		2028 Construction and Mining - Misc - Signal Boards	Aggregate	Aggregate	Gasoline	157.32	0	2.217081	0
Riverside		2028 Construction and Mining - Misc - Signal Boards	Aggregate	Aggregate	Diesel	1347.95	485.45	186.5456	17961.65
Riverside		2028 Construction and Mining - Misc - Skid Steer Loaders	Aggregate	Aggregate	Gasoline	13811.95	3525.9	35.15686	176601.6
Riverside		2028 Construction and Mining - Misc - Skid Steer Loaders	Aggregate	Aggregate	Diesel	1400	0	247.6706	0
Riverside		2028 Construction and Mining - Misc - Surfacing Equipment	Aggregate	Aggregate	Gasoline	6740	0	89.8766	0
Riverside		2028 Construction and Mining - Misc - Tampers/Rammers	Aggregate	Aggregate	Gasoline	841	0	46.67558	0
Riverside		2028 Construction and Mining - Misc - Tractors/Loaders/Backhoe	Aggregate	Aggregate	Gasoline	2328.7	799.35	1.08101	50359.05
Riverside		2028 Construction and Mining - Misc - Tractors/Loaders/Backhoe	Aggregate	Aggregate	Diesel	131	0	17.8838	0
Riverside		2028 Construction and Mining - Misc - Trenchers	Aggregate	Aggregate	Gasoline	11931.4	2544.05	31.96041	99316.5
Riverside		2028 Construction and Mining - Misc - Trenchers	Aggregate	Aggregate	Diesel	175.7	0	27.74266	0
Riverside		2028 Construction and Mining - Nurse Rig Other	Aggregate	Aggregate	Diesel	105.85888	58.29177749	0.101784	2098.504
Riverside		2028 Construction and Mining - Off-Highway Tractors	Aggregate	Aggregate	Diesel	712771.65	212879.8088	280.8503	13910841

Construction Fuel Consumption Summary

Construction Source	Gallons of Diesel Fuel	Gallons of Gasoline Fuel
Countywide	50,504,775.2	430,881,898.5

Diesel 50504775.2
Gasoline 30627408.4

Model Output: OFFROAD2021 (v1.0.5) Emissions Inventory
Region Type: County
Region: Riverside
Calendar Year: 2027-2031
Scenario: All Adopted Rules - Exhaust
Vehicle Classification: OFFROAD2021 Equipment Types
Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Year	Vehicle Category	Model Yea	Horsepow	Fuel	Fuel Consum	Total_Activi	Total_Popu	Horsepower_Hours_hhp
Riverside	2027	Construction and Mining - Concrete Mixer	Aggregate	Aggregate	Diesel	2235.2763	1113.591	2.23529	43560.22977
Riverside	2027	Construction and Mining - Concrete Pump	Aggregate	Aggregate	Diesel	22740.6212	6350.7908	9.730586	447677.4129
Riverside	2027	Construction and Mining - Crane less than 35ton	Aggregate	Aggregate	Diesel	11685.4954	5495.7422	23.15044	212053.061
Riverside	2027	Construction and Mining - Cranes	Aggregate	Aggregate	Diesel	589160.854	129431.81	507.6858	10934416.28
Riverside	2027	Construction and Mining - Crawler Tractors	Aggregate	Aggregate	Diesel	1617601.42	334455.78	794.8067	32085218.02
Riverside	2027	Construction and Mining - Crushing/Processing Equipment	Aggregate	Aggregate	Diesel	86248.5315	18797.452	32.34596	1703123.765
Riverside	2027	Construction and Mining - Excavators	Aggregate	Aggregate	Diesel	5113147.79	1723483.3	2998.645	100015614.7
Riverside	2027	Construction and Mining - Graders	Aggregate	Aggregate	Diesel	761987.842	170304.42	465.5778	14658677.94
Riverside	2027	Construction and Mining - Hopper Tractor Trailer	Aggregate	Aggregate	Diesel	1457.53873	296.65496	0.525951	28893.66236
Riverside	2027	Construction and Mining - Misc - Cement And Mortar Mixe	Aggregate	Aggregate	Gasoline	34258.332	0	1981.986	0
Riverside	2027	Construction and Mining - Misc - Cement And Mortar Mixe	Aggregate	Aggregate	Diesel	59.3987	0	45.92933	0
Riverside	2027	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	Aggregate	Gasoline	44244.648	4208.45	284.3283	194705.6
Riverside	2027	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	Aggregate	Diesel	2328.0382	1642.5	4.207846	54202.5
Riverside	2027	Construction and Mining - Misc - Cranes	Aggregate	Aggregate	Gasoline	4956.7	1660.75	3.96	105225.85
Riverside	2027	Construction and Mining - Misc - Dumpers/Tenders	Aggregate	Aggregate	Gasoline	3566.13	87.6	132.9435	5781.6
Riverside	2027	Construction and Mining - Misc - Dumpers/Tenders	Aggregate	Aggregate	Diesel	4.8036	0	1.940776	0
Riverside	2027	Construction and Mining - Misc - Excavators	Aggregate	Aggregate	Diesel	34.2311	0	3.043203	0
Riverside	2027	Construction and Mining - Misc - Other	Aggregate	Aggregate	Gasoline	7599.3	1387	6.318226	174762
Riverside	2027	Construction and Mining - Misc - Other	Aggregate	Aggregate	Diesel	127.7443	0	29.32446	0
Riverside	2027	Construction and Mining - Misc - Pavers	Aggregate	Aggregate	Diesel	9.0413	0	1.204106	0
Riverside	2027	Construction and Mining - Misc - Paving Equipment	Aggregate	Aggregate	Gasoline	64560.04	2273.95	1420.309	97261.55
Riverside	2027	Construction and Mining - Misc - Paving Equipment	Aggregate	Aggregate	Diesel	15.3327	0	2.981239	0
Riverside	2027	Construction and Mining - Misc - Rollers	Aggregate	Aggregate	Gasoline	31222.966	4763.25	149.4669	294828.75
Riverside	2027	Construction and Mining - Misc - Rollers	Aggregate	Aggregate	Diesel	262.08	0	80.40557	0
Riverside	2027	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	Aggregate	Gasoline	18622.3	5153.8	10.51663	350400
Riverside	2027	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	Aggregate	Diesel	6.2821	0	0.791209	0
Riverside	2027	Construction and Mining - Misc - Tractors/Loaders/Backhoe	Aggregate	Aggregate	Gasoline	11953.75	4091.65	5.594928	257773.95
Riverside	2027	Construction and Mining - Misc - Tractors/Loaders/Backhoe	Aggregate	Aggregate	Diesel	163.62	0	22.37446	0
Riverside	2027	Construction and Mining - Off-Highway Trucks	Aggregate	Aggregate	Diesel	2133252.31	250823.4	323.301	43834291.49
Riverside	2027	Construction and Mining - Pavers	Aggregate	Aggregate	Diesel	331428.214	101981.44	210.815	6418938.987
Riverside	2027	Construction and Mining - Paving Equipment	Aggregate	Aggregate	Diesel	366756.675	114967.82	219.6468	7153092.238
Riverside	2027	Construction and Mining - Rollers	Aggregate	Aggregate	Diesel	890223.299	465815.79	1064.295	16651627.16
Riverside	2027	Construction and Mining - Rubber Tired Dozers	Aggregate	Aggregate	Diesel	191238.426	35545.317	66.14988	4034620.644
Riverside	2027	Construction and Mining - Rubber Tired Loaders	Aggregate	Aggregate	Diesel	3740964.23	954186.27	1395.041	74352308.96
Riverside	2027	Construction and Mining - Scrapers	Aggregate	Aggregate	Diesel	1982973.94	225940.23	699.2061	41222034.97
Riverside	2027	Construction and Mining - Skid Steer Loaders	Aggregate	Aggregate	Diesel	1777065.8	1168103.6	2594.296	31823479.55
Riverside	2027	Construction and Mining - Spray Truck	Aggregate	Aggregate	Diesel	21680.4674	7532.2857	13.67508	420772.356
Riverside	2027	Construction and Mining - Tanker Truck Trailer	Aggregate	Aggregate	Diesel	2811.73877	1111.1082	1.70934	53972.68988
Riverside	2027	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	Aggregate	Diesel	5055567.55	2294074.6	4478.258	94590089.88
Riverside	2027	Construction and Mining - Water Truck	Aggregate	Aggregate	Diesel	168014.783	25897.997	44.5902	3333269.445
Riverside	2027	Industrial - Forklifts	Aggregate	Aggregate	Diesel	381527.709	362699.73	766.1708	7139366.867
Riverside	2027	Industrial - Misc - Sweepers/Scrubbers	Aggregate	Aggregate	Gasoline	75515.1472	21724.8	69.56394	1090543.35
Riverside	2027	Industrial - Misc - Sweepers/Scrubbers	Aggregate	Aggregate	Diesel	14.1209	0	2.643102	0
Riverside	2027	Industrial - Other General Industrial Equipment	Aggregate	Aggregate	Diesel	112400.66	47949.81	108.7137	2218223.504
Riverside	2027	Industrial - Other Truck	Aggregate	Aggregate	Diesel	67267.002	12588.452	18.89109	1337638.039
Riverside	2027	Industrial - Railcars or Track Cars	Aggregate	Aggregate	Diesel	5186.15586	1433.2512	2.379481	102913.829
Riverside	2027	Industrial - Sweepers/Scrubbers	Aggregate	Aggregate	Diesel	22685.3162	13700.6	47.45597	405719.3302
Riverside	2027	Industrial - Tow Tractor	Aggregate	Aggregate	Diesel	153.308129	19.101941	0.035505	3039.118784
Riverside	2027	Industrial - Yard Goat	Aggregate	Aggregate	Diesel	180005.628	51981.597	44.17195	3578978.579
Riverside	2027	Light Commercial - Misc - Air Compressors	Aggregate	Aggregate	Gasoline	1752867.38	38846.95	18307.81	2535501.7
Riverside	2027	Light Commercial - Misc - Air Compressors	Aggregate	Aggregate	Diesel	38692.7644	33660.3	51.24513	1245431.1
Riverside	2027	Light Commercial - Misc - Air Compressors	Aggregate	Aggregate	Electric	0	0	223250.1	0
Riverside	2027	Light Commercial - Misc - Generator Sets	Aggregate	Aggregate	Gasoline	2945862.41	82453.5	119836.3	3445494.15
Riverside	2027	Light Commercial - Misc - Generator Sets	Aggregate	Aggregate	Diesel	210409.612	67740.35	773.4128	2235431.55
Riverside	2027	Light Commercial - Misc - Generator Sets	Aggregate	Aggregate	Electric	0	0	21590.58	0
Riverside	2027	Light Commercial - Misc - Generator Sets	Aggregate	Aggregate	Nat Gas	14943.1	1733.75	15.55	194260.3
Riverside	2027	Light Commercial - Misc - Pumps	Aggregate	Aggregate	Gasoline	363491.661	24068.1	10272.85	1610288.75
Riverside	2027	Light Commercial - Misc - Pumps	Aggregate	Aggregate	Diesel	114882.154	35364.85	410.5232	1308499.45
Riverside	2027	Light Commercial - Misc - Pumps	Aggregate	Aggregate	Electric	0	0	117445.6	0
Riverside	2027	Light Commercial - Misc - Welders	Aggregate	Aggregate	Gasoline	755705.42	40945.7	13673.36	2456869.75
Riverside	2027	Light Commercial - Misc - Welders	Aggregate	Aggregate	Diesel	209758.347	132732.25	417.8049	6105683.5
Riverside	2027	Light Commercial - Misc - Welders	Aggregate	Aggregate	Electric	0	0	57643.6	0
Riverside	2028	Construction and Mining - Bore/Drill Rigs	Aggregate	Aggregate	Diesel	479499.403	85585.679	146.9614	9650913.365
Riverside	2028	Construction and Mining - Bucket	Aggregate	Aggregate	Diesel	11598.9916	3403.6613	6.209717	221783.6776
Riverside	2028	Construction and Mining - Compactor	Aggregate	Aggregate	Diesel	18568.9431	5880.5699	10.17919	365204.3875
Riverside	2028	Construction and Mining - Concrete Mixer	Aggregate	Aggregate	Diesel	1689.77267	858.50179	1.730694	33687.94679
Riverside	2028	Construction and Mining - Concrete Pump	Aggregate	Aggregate	Diesel	17678.5009	4907.6481	7.533095	346813.1953
Riverside	2028	Construction and Mining - Crane less than 35ton	Aggregate	Aggregate	Diesel	9479.96953	4242.2223	17.92207	163676.8985
Riverside	2028	Construction and Mining - Cranes	Aggregate	Aggregate	Diesel	468206.572	100453.07	393.0228	8486400.335
Riverside	2028	Construction and Mining - Crawler Tractors	Aggregate	Aggregate	Diesel	1264836.79	259296.14	615.3479	24867301.39
Riverside	2028	Construction and Mining - Crushing/Processing Equipment	Aggregate	Aggregate	Diesel	66383.0424	14469.121	25.03933	1310676.602
Riverside	2028	Construction and Mining - Excavators	Aggregate	Aggregate	Diesel	3953625.45	1330509.3	2321.474	77262422.26
Riverside	2028	Construction and Mining - Graders	Aggregate	Aggregate	Diesel	605769.104	132062.43	360.4661	11359724.8
Riverside	2028	Construction and Mining - Hopper Tractor Trailer	Aggregate	Aggregate	Diesel	1120.8865	227.91911	0.407137	22220.00374
Riverside	2028	Construction and Mining - Misc - Asphalt Pavers	Aggregate	Aggregate	Gasoline	1874.45	430.7	3.939611	18122.25
Riverside	2028	Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	Aggregate	Gasoline	1197.75	113.15	3.471599	9957.2
Riverside	2028	Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	Aggregate	Diesel	32.9	0	5.374181	0
Riverside	2028	Construction and Mining - Misc - Cement And Mortar Mixe	Aggregate	Aggregate	Gasoline	8099.8	0	469.0329	0
Riverside	2028	Construction and Mining - Misc - Cement And Mortar Mixe	Aggregate	Aggregate	Diesel	47.45	0	36.69034	0
Riverside	2028	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	Aggregate	Gasoline	9831.8	821.25	66.73655	38022.05
Riverside	2028	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	Aggregate	Diesel	1855.85	1343.2	3.40761	44325.6
Riverside	2028	Construction and Mining - Misc - Cranes	Aggregate	Aggregate	Gasoline	1003.75	328.5	0.74	20257.5
Riverside	2028	Construction and Mining - Misc - Crushing/Proc. Equipmen	Aggregate	Aggregate	Gasoline	47.8	0	0.356403	0
Riverside	2028	Construction and Mining - Misc - Dumpers/Tenders	Aggregate	Aggregate	Gasoline	833.6	0	31.35954	0
Riverside	2028	Construction and Mining - Misc - Dumpers/Tenders	Aggregate	Aggregate	Diesel	3.83	0	1.548954	0
Riverside	2028	Construction and Mining - Misc - Excavators	Aggregate	Aggregate	Diesel	27.3	0	2.428986	0
Riverside	2028	Construction and Mining - Misc - Other	Aggregate	Aggregate	Gasoline	1481.9	270.1	1.2456	34032.6
Riverside	2028	Construction and Mining - Misc - Other	Aggregate	Aggregate	Diesel	102.1	0	23.45186	0
Riverside	2028	Construction and Mining - Misc - Pavers	Aggregate	Aggregate	Diesel	7.21	0	0.96001	0
Riverside	2028	Construction and Mining - Misc - Paving Equipment	Aggregate	Aggregate	Gasoline	15035.95	438	335.0632	18640.55
Riverside	2028	Construction and Mining - Misc - Paving Equipment	Aggregate	Aggregate	Diesel	12.2	0	2.378101	0
Riverside	2028	Construction and Mining - Misc - Plate Compactors	Aggregate	Aggregate	Gasoline	5548.2	0	183.7121	0
Riverside	2028	Construction and Mining - Misc - Plate Compactors	Aggregate	Aggregate	Diesel	34.2	0	21.23308	0
Riverside	2028	Construction and Mining - Misc - Rollers	Aggregate	Aggregate	Gasoline	6582.5	938.05	34.78144	57732.05
Riverside	2028	Construction and Mining - Misc - Rollers	Aggregate	Aggregate	Diesel	209.9	0	64.25438	0
Riverside	2028	Construction and Mining - Misc - Rough Terrain Forklifts	Aggregate	Aggregate	Gasoline	6774.4	1328.6	3.26	108770
Riverside	2028	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	Aggregate	Gasoline	3642.7	1011.05	2.03904	68941.2
Riverside	2028	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	Aggregate	Diesel	4.98	0	0.627054	0
Riverside	2028	Construction and Mining - Misc - Signal Boards	Aggregate	Aggregate	Gasoline	157.32	0	2.217081	0
Riverside	2028	Construction and Mining - Misc - Signal Boards	Aggregate	Aggregate	Diesel	1347.95	485.45	186.5456	17961.65

Operational Energy Consumption

Operational Source	Energy Usage	Countywide Energy Consumption	Percentage Increase
Electricity (Kilowatt-Hour)			
Proposed Project	2,266,678.1	16,286,000,000.0	0.0139%
Petroleum (Gasoline) Consumption			
	Gallons of Gasoline Fuel		
Proposed Project	5,796,019.8	430,881,898.5	1.3452%

Source: CalEEMod Output Sheets (see Attachment B)

CalEEMod Output

Land Use Type	VMT/Year
Single Family Housing	5796019.761
Other Asphalt Surfaces	0
Other Asphalt Surfaces	0
Other Non-Asphalt Surfaces	0
City Park	0

Other Non-Asphalt Surfaces

5.11. Operational Energy Consumption

5.11.1 Unmitigated

Land Use	Electricity (kWh/yr)	Natural Gas (kBTU/yr)	
Single Family Housing	2266678.12	0	2,266,678
Other Asphalt Surfaces	0	0	
Other Asphalt Surfaces	0	0	
Other Non-Asphalt Surfaces	0	0	
City Park	0	0	

Region Type: Sub-Area
Region: Riverside (SC)
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for Combustion VMT and Electric VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption, kWh/day for

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Fuel Consumption
Riverside (SC)	2027	HHDT	Aggregate	Aggregate	Gasoline	0.069141356
Riverside (SC)	2027	HHDT	Aggregate	Aggregate	Diesel	511.4778146
Riverside (SC)	2027	LDA	Aggregate	Aggregate	Gasoline	442.5918383
Riverside (SC)	2027	LDA	Aggregate	Aggregate	Diesel	0.649427753
Riverside (SC)	2027	LDT1	Aggregate	Aggregate	Gasoline	48.27301373
Riverside (SC)	2027	LDT1	Aggregate	Aggregate	Diesel	0.012058467
Riverside (SC)	2027	LDT2	Aggregate	Aggregate	Gasoline	326.6336318
Riverside (SC)	2027	LDT2	Aggregate	Aggregate	Diesel	0.465596967
Riverside (SC)	2027	LHDT1	Aggregate	Aggregate	Gasoline	35.22468605
Riverside (SC)	2027	LHDT1	Aggregate	Aggregate	Diesel	18.74132768
Riverside (SC)	2027	LHDT2	Aggregate	Aggregate	Gasoline	8.732188926
Riverside (SC)	2027	LHDT2	Aggregate	Aggregate	Diesel	20.46871194
Riverside (SC)	2027	MCY	Aggregate	Aggregate	Gasoline	3.159616504
Riverside (SC)	2027	MDV	Aggregate	Aggregate	Gasoline	293.5427178
Riverside (SC)	2027	MDV	Aggregate	Aggregate	Diesel	8.452226625
Riverside (SC)	2027	MH	Aggregate	Aggregate	Gasoline	7.951119814
Riverside (SC)	2027	MH	Aggregate	Aggregate	Diesel	1.521107845
Riverside (SC)	2027	MHDT	Aggregate	Aggregate	Gasoline	11.49448865
Riverside (SC)	2027	MHDT	Aggregate	Aggregate	Diesel	58.02197449
Riverside (SC)	2027	OBUS	Aggregate	Aggregate	Gasoline	1.498634211
Riverside (SC)	2027	OBUS	Aggregate	Aggregate	Diesel	1.432474562
Riverside (SC)	2027	SBUS	Aggregate	Aggregate	Gasoline	1.327274679
Riverside (SC)	2027	SBUS	Aggregate	Aggregate	Diesel	1.079928206

	Diesel	622.322649	227147766.9
	Gasoline	1180.49835	430881898.5
Total		1802.821	

Project Construction GHG Emissions

Activity	CO2e
2027	299
2028	325
Total Emissions	624
Total Emissions Amortized Over 30 Years	**21**

Source: CalEEMod Output Sheets

Total Project GHG Emissions

Activity	CO2e
Project Operation	
Mobile	1984
Area	3
Energy	358
Water	17
Waste	45
Refrig.	1
Total Project Gross Operation Emissions	2407
Project Construction	
Amortized Construction Emissions	21
Project Construction and Operation	
Project Total Emissions	**2,428**
Significance Threshold	**3,000**
Threshold Exceeded?	**No**

Notes: 1. Numbers may vary due to rounding.

Source: CalEEMod Output Sheets

ATTACHMENT C: SCAG 2016 LAND USE CODES

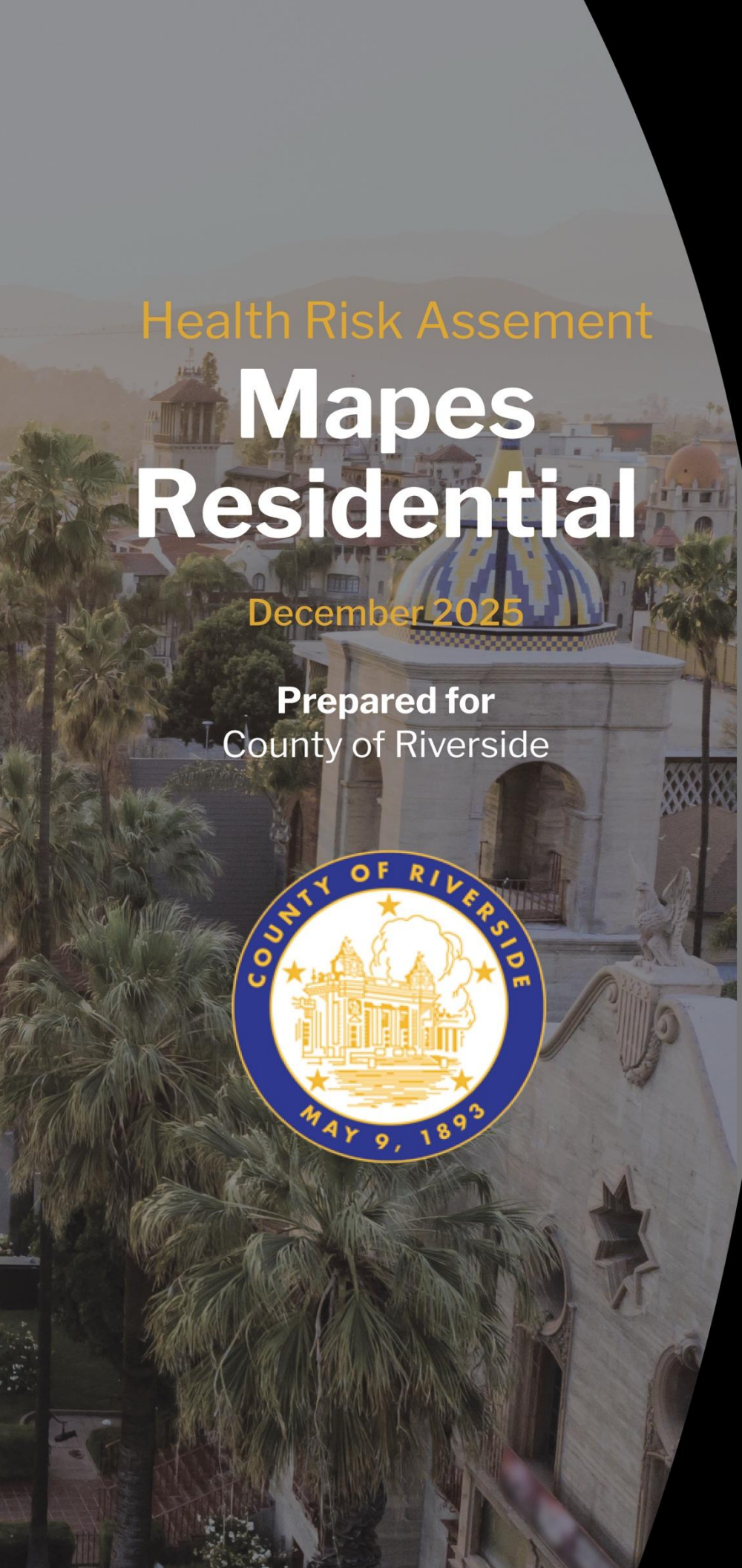
2016 SCAG Land Use Codes - Legend

Legend	Land Use Description
Single Family Residential	1110 Single Family Residential 1111 High Density Single Family Residential (9 or more DUs/ac) 1112 Medium Density Single Family Residential (3-8 DUs/ac) 1113 Low Density Single Family Residential (2 or less DUs/ac)
Multi-Family Residential	1120 Multi-Family Residential 1121 Mixed Multi-Family Residential 1122 Duplexes, Triplexes and 2- or 3-Unit Condominiums and Townhouses 1123 Low-Rise Apartments, Condominiums, and Townhouses 1124 Medium-Rise Apartments and Condominiums 1125 High-Rise Apartments and Condominiums
Mobile Homes and Trailer Parks	1130 Mobile Homes and Trailer Parks 1131 Trailer Parks and Mobile Home Courts, High-Density 1132 Mobile Home Courts and Subdivisions, Low-Density
Mixed Residential	1140 Mixed Residential 1100 Residential
Rural Residential	1150 Rural Residential
General Office	1210 General Office Use 1211 Low- and Medium-Rise Major Office Use 1212 High-Rise Major Office Use 1213 Skyscrapers
Commercial and Services	1200 Commercial and Services 1220 Retail Stores and Commercial Services 1221 Regional Shopping Center 1222 Retail Centers (Non-Strip With Contiguous Interconnected Off-Street Parking) 1223 Retail Strip Development 1230 Other Commercial 1231 Commercial Storage 1232 Commercial Recreation 1233 Hotels and Motels
Facilities	1240 Public Facilities 1241 Government Offices 1242 Police and Sheriff Stations 1243 Fire Stations 1244 Major Medical Health Care Facilities 1245 Religious Facilities 1246 Other Public Facilities 1247 Public Parking Facilities 1250 Special Use Facilities 1251 Correctional Facilities 1252 Special Care Facilities 1253 Other Special Use Facilities
Education	1260 Educational Institutions 1261 Pre-Schools/Day Care Centers 1262 Elementary Schools 1263 Junior or Intermediate High Schools 1264 Senior High Schools 1265 Colleges and Universities 1266 Trade Schools and Professional Training Facilities
Military Installations	1270 Military Installations 1271 Base (Built-up Area) 1272 Vacant Area 1273 Air Field 1274 Former Base (Built-up Area) 1275 Former Base Vacant Area 1276 Former Base Air Field
Industrial	1300 Industrial 1310 Light Industrial 1311 Manufacturing, Assembly, and Industrial Services 1312 Motion Picture and Television Studio Lots 1313 Packing Houses and Grain Elevators 1314 Research and Development 1320 Heavy Industrial 1321 Manufacturing 1322 Petroleum Refining and Processing 1323 Open Storage 1324 Major Metal Processing 1325 Chemical Processing 1330 Extraction

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	1331 Mineral Extraction - Other Than Oil and Gas 1332 Mineral Extraction - Oil and Gas 1340 Wholesaling and Warehousing
Transportation, Communications, and Utilities	1400 Transportation, Communications, and Utilities 1410 Transportation 1411 Airports 1412 Railroads 1413 Freeways and Major Roads 1414 Park-and-Ride Lots 1415 Bus Terminals and Yards 1416 Truck Terminals 1417 Harbor Facilities 1418 Navigation Aids 1420 Communication Facilities 1430 Utility Facilities 1431 Electrical Power Facilities 1432 Solid Waste Disposal Facilities 1433 Liquid Waste Disposal Facilities 1434 Water Storage Facilities 1435 Natural Gas and Petroleum Facilities 1436 Water Transfer Facilities 1437 Improved Flood Waterways and Structures 1438 Mixed Utilities 1440 Maintenance Yards 1441 Bus Yards 1442 Rail Yards 1450 Mixed Transportation 1460 Mixed Transportation and Utility
Mixed Commercial and Industrial	1500 Mixed Commercial and Industrial
Mixed Residential and Commercial	1600 Mixed Residential and Commercial 1610 Residential-Oriented Residential/Commercial Mixed Use 1620 Commercial-Oriented Residential/Commercial Mixed Use
Open Space and Recreation	1800 Open Space and Recreation 1810 Golf Courses 1820 Local Parks and Recreation 1830 Regional Parks and Recreation 1840 Cemeteries 1850 Wildlife Preserves and Sanctuaries 1860 Specimen Gardens and Arboreta 1870 Beach Parks 1880 Other Open Space and Recreation 1890 Off-Street Trails
Agriculture	2000 Agriculture 2100 Cropland and Improved Pasture Land 2110 Irrigated Cropland and Improved Pasture Land 2120 Non-Irrigated Cropland and Improved Pasture Land 2200 Orchards and Vineyards 2300 Nurseries 2400 Dairy, Intensive Livestock, and Associated Facilities 2500 Poultry Operations 2600 Other Agriculture 2700 Horse Ranches
Vacant	3000 Vacant 3100 Vacant Undifferentiated 3200 Abandoned Orchards and Vineyards 3300 Vacant With Limited Improvements 3400 Beaches (Vacant) 1900 Urban Vacant
Water	4000 Water 4100 Water, Undifferentiated 4200 Harbor Water Facilities 4300 Marina Water Facilities 4400 Water Within a Military Installation 4500 Area of Inundation (High Water)
Specific Plan	7777 Specific Plan
Under Construction	1700 Under Construction
Undevelopable or Protected Land	8888 Undevelopable or Protected Land
Unknown	9999 Unknown

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Health Risk Assesment

Mapes Residential

December 2025

Prepared for
County of Riverside

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Appendices

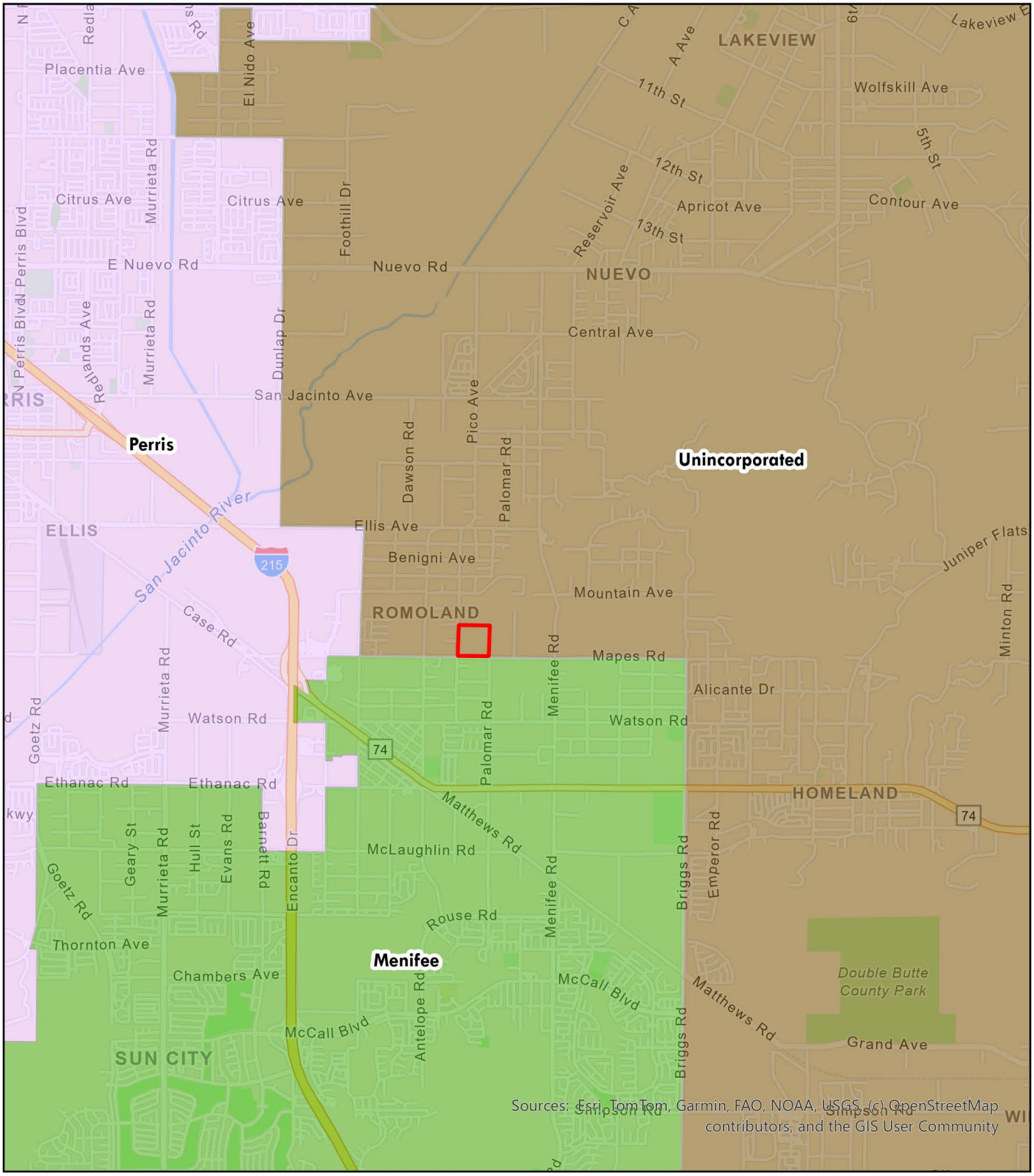
APPENDIX A – CALEEMOD OUTPUT FOR PROJECT CONSTRUCTION
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APPENDIX D – ESTIMATION OF CONSTRUCTION HEALTH RISK

1 INTRODUCTION

This Construction Health Risk Assessment (HRA) evaluates the potential impacts of the proposed Mapes Road Residential Project ("Project" or "proposed Project"), which is located in the northwest portion of unincorporated Riverside County, north of the City of Menifee and east of the City of Perris. Regional access to the project site is provided by the 215 Freeway to the east of the Project site. The Project site fronts Mapes Road, east of Tradewinds Drive and west of Palomar Road. The site consists of 78 parcels with APNs 327-480-001 through -022, 327-481-001 through -012, 327-490-001 through -016, and 327-491-001 through -018, totaling approximately 39.09 gross acres (36.63 net acres). The Project site is within the jurisdiction of the South Coast Air Quality Management District (SCAQMD), and is located in the South Coast Air Basin (SCAB).

The Project proposes a change of zone from Low Density Residential (LDR) to Planned Residential (R-4), creating 158 individual lots, including 144 numbered lots for single-family development and 14 lettered lots for a drainage basin, open space areas, a Riverside County Flood Control District (RCFCD) easement, and various right-of-way dedications for road purposes. The 144 numbered lots would range in size from 6,000 to 12,053 square feet. The location of the Project site is shown in Figure 1, *Project Site Location*. The proposed Project site plan is illustrated in Figure 2, *Conceptual Site Plan*.

Figure 1: Project Site Location



Legend

- Project Boundary
- Menifee
- Perris
- Unincorporated

0 1 2 Miles

N

Figure 2: Conceptual Site Plan



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1.1 Access and Parking

Access to the Project site would be provided through two driveways: one located on Palomar Road and one located on Tradewinds Drive. Both driveways would connect to internal drive aisles that provide access to the 114 proposed residences. The Project would provide a total of 228 parking spaces, which reflects two spaces per dwelling unit.

1.2 Purpose of the Report

To support the California Environmental Quality Act (CEQA) document for the proposed Project, this report evaluates the potential health impacts to sensitive receptors from the construction of the Project. This HRA focuses on the emissions of diesel particulate matter (DPM) from the Project on surrounding land uses from the residential Project's construction on a day-to-day basis. DPM has been identified by the California Air Resources Board (CARB) as a carcinogenic substance responsible for nearly 70 percent of the airborne cancer risk in California (California Air Resources Board, 2017). The estimated health risk impacts from the Project construction were compared to the health risk significance thresholds recommended by the SCAQMD for use in CEQA assessments.

This HRA employed the following tools to estimate the health impacts of the Project:

- The California Air Pollution Control Officers Association California Emissions Estimator Model (CalEEMod, Version 2022.1) to calculate exhaust emissions from mobile sources such as diesel trucks and construction equipment such as crawler tractors and cranes during the construction of the Project.
- The United States Environmental Protection Agency (USEPA) AMS/EPA Regulatory Model (AERMOD Version 23132) air dispersion model to estimate DPM impacts to sensitive receptors.
- Cancer Risk Methodology from the California Office of Environmental Health Hazards Assessment (OEHHA) (California Office of Environmental Health Hazards Assessment, 2015a) and the SCAQMD (South Coast Air Quality Management District, 2017).

1.3 Summary of the Results

The emissions from Project construction would not result in a cancer health risk that exceeds the lifetime cancer risk threshold of 10 in one million at the maximum impacted sensitive receptor. The Project's emissions for construction impacts would not result in a non-cancer risk greater than the 1.0 non-cancer hazard index (HI) threshold. The Project's maximum construction health risk results are summarized below.

Maximum Project Construction Health Risk Results:

- Sensitive/residential receptor for the lifetime exposure duration: 1.34 in one million
- Worker receptor: 0.01 in one million
- Sensitive receptor chronic non-cancer HI: <0.01
- Worker receptor chronic non-cancer HI: <0.01

As the Project construction would not exceed the SCAQMD significance thresholds, the construction of the proposed Project would result in a less-than-significant project-level and cumulative-level impact for cancer and non-cancer health risk. No mitigation would be required.

2 HEALTH RISK ASSESSMENT

An HRA is a guide that helps determine whether the risks from current or future exposures to a toxic chemical or substance in the environment could affect the health of a population. In general, the quantification of risk from the development of a project depends on the following factors:

- Identification of the toxic air contaminants (TACs) that may be present in the air;
- Estimation of the amount of TACs released from all emission sources using emission models;
- Estimation of the airborne concentrations of TACs in the geographic area of concern using air dispersion models using information about emissions, source locations, weather, and other factors;
- Estimation of the level of exposure to different concentrations of the TACs at different geographic locations and their consequential health impacts.

Thus, an HRA identifies the TACs that could affect public health, identifies the sources and quantities of the TAC emissions, estimates where the emissions are transported by prevailing meteorological conditions, and assesses the consequential health impacts due to the identified exposures.

The OEHHA has developed methods for conducting HRAs. As defined under the Air Toxics "Hot Spots" Information and Assessment Act:

> "*A health risk assessment means a detailed, comprehensive analysis prepared pursuant to Section 44361 to evaluate and predict the dispersion of hazardous substances in the environment and the potential for exposure of human populations and to assess and quantify both the individual and population-wide health risks associated with those levels of exposure*" *(California Health and Safety Code)*.

The methodology used to estimate health risks and hazards that could potentially affect nearby sensitive receptors from the emissions of TACs is described below. The methodology includes assumptions regarding emission source quantification, configurations and locations, receptor locations, air dispersion modeling, and health risk modeling. As noted above, this HRA focused on DPM emissions that the CARB has identified as the principal airborne carcinogenic substance in California. For purposes of this HRA, DPM was assumed to be comprised of PM_{10} from vehicle exhaust emissions.

2.1 SCAQMD Significance Thresholds

Project Level

The County of Riverside has not adopted a numerical significance threshold for cancer risk or non-cancer hazards. Therefore, the significance thresholds recommended by the SCAQMD were used for this assessment. The relevant significance thresholds are provided below:

- Cancer Risk: 10 persons per million population as the maximum acceptable incremental cancer risk due to exposure to TACs
- Non-Cancer Hazard Index (HI): 1.0

These thresholds are discussed further in Section 2.2, *Health Risk Estimation Methodology*.

Cumulative

The SCAQMD conducted an analysis of the cumulative effects of TACs within the SCAB as part of its *Multiple Air Toxics Exposure Study in the South Coast Air Basin* (MATES-V, the draft version of this MATES study series) (South Coast Air Quality Management District, 2021). The MATES-V Study expresses cumulative TAC impacts in terms of potential increased cancer risks. Cumulative impact thresholds derive from this study, since the Project site is within the MATES-V Study area. The MATES-V Study estimates the cumulative TAC-source cancer risk for the localized area encompassing the Project site ranges from 300 to 400 in one million. DPM-source cancer risks are reflected in the area's ambient cumulative cancer risk along with all other TAC-source risks and account for the predominance (68 percent) of the total risk. A cancer risk upper limit of 400 in a million was assumed to comprise the impact from existing TAC emission sources in the region without the impacts from the Project.

The TAC emissions inventory used in the MATES-V study to estimate health impacts was representative of emissions for the year 2018. In addition to the MATES-V cumulative TAC-source cancer risk noted above, other new or proposed potential TAC-generating projects (related projects) in the Project area not included in the MATES V study could contribute to cumulative TAC impacts. The SCAQMD has published a white paper on addressing cumulative impacts from air pollution (South Coast Air Quality Management District, 2003). The white paper recommends a 1,000-foot distance from a proposed project to identify other development projects that could contribute to cumulative impacts (South Coast Air Quality Management District, 2019). The 1,000-foot evaluation distance is supported by research-based findings concerning TAC emission dispersion rates from roadways and large sources, showing that emissions diminish substantially between 500 and 1,000 feet from emission sources. While the cumulative analysis incorporates future emissions within 1,000 feet of the source, the project-specific and cumulative significance thresholds of 10 in one million remain the same.

2.2 Health Risk Estimation Methodology

Cancer Risk

Cancer risks are estimated as the upper-bound incremental probability that an individual would develop cancer due to exposure to potential carcinogens over a specified exposure duration. The estimated risk is expressed as a probability since there is no level below which some level of impact may occur. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). A risk level of 10 in one million implies a likelihood that up to 10 people in a population of one million equally exposed people could contract cancer if exposed continuously (24 hours per day) to the levels of TACs over a specified duration of time. This risk is an excess cancer risk in addition to any environmental cancer risk borne by a person not exposed to these air toxins.

The exposure dose is the amount of a chemical taken into the body at a given time. In particular, the exposure dose through inhalation ($Dose_{air}$) is a function of the breathing rate, the exposure frequency, and the concentration of exposures. Breathing rates change over time for different age groups and are determined for specific age groups. The $Dose_{air}$ is calculated for each of the following age groups: third trimester to birth, and 0 to 2, 2 to 16, and 16 to 30 years of age. The OEHHA recommends that the 30-year exposure duration be used as the basis for public notification and risk reduction audits and plans (California Office

of Environmental Health Hazards Assessment, 2015b). The risks for each age group are summed together to provide a total estimate of lifetime cancer risks for sensitive receptors. To estimate the cancer risk, the $Dose_{air}$ is estimated by applying the following equation to the DPM concentration at each receptor as calculated by the air dispersion model:

$$Dose_{air} = C_{DPM} \times DBR_i \times A \times EF_i \quad \text{(EQ-1)}$$

Where:

$Dose_{air}$ = dose through inhalation (mg/kg/day)

C_{DPM} = period average concentration of DPM as estimated by the air dispersion model ($\mu g/m^3$)

DBR = daily breathing rate for each age group (liters/kg-day) (see Table 1)

A = Inhalation absorption factor (unitless = 1)

EF = exposure frequency (days per year)

i – number of age groups

The dose is multiplied by the cancer potency factor, the age sensitivity factors (ASF), the exposure duration (ED), and the fraction of time spent at home (FAH, for sensitive/residential receptors only) divided by averaging time (AT) to arrive at an estimate of cancer risk:

$$\text{Cancer Risk} = Dose_{air,i} \times CPF \times ASF_i \times ED_i \times FAH_i/AT \quad \text{(EQ-2)}$$

Where:

Cancer Risk = Total individual excess inhalation cancer risk, defined as the cancer risk a hypothetical individual faces if exposed to carcinogenic emissions from a particular source for specified exposure durations; this risk is summed over all age groups; cancer risk is expressed in terms of risk per million exposed individuals.

$Dose_{air,i}$ = inhalation dose through inhalation (mg/kg-day)

CPF = inhalation cancer potency factor $(mg/kg\text{-}day)^{-1}$

ASF_i = age sensitivity factors (see Table 1)

ED_i = exposure duration (years) (see Table 1)

AT = averaging time of lifetime cancer risk (70 years or 25,550 days)

FAH_i = fraction of time spent at home (see Table 1)

n = number of age groups

While the OEHHA recommends that the 30-year exposure duration be used as the basis for public notification and risk reduction audits and plans, the Project's construction duration is expected to only span 1.24 years (approximately 15 months), and no significant DPM emissions are anticipated to occur after the completion of the Project's construction during the operation of the Project. Thus, for the remainder of this report, the lifetime cancer risk will refer to the construction time span of 1.24 years.

Thus, for the purpose of this HRA, the exposure duration for sensitive/residential receptors' lifetime cancer risk was assumed to analyze a daily construction duration of eight hours, five days a week, as a reasonable assumption for the site's construction operation hours and was assumed to span the duration of a third trimester pre-birth in 2027 (the Project's starting year of construction) through 2028, when the Project's

construction would conclude. Estimates of cancer risk were also provided for informational purposes for adult exposure, also spanning the duration of construction.

Table 1, *Exposure Assumptions for Cancer Risk – OEHHA/SCAQMD Guidance,* provides the values of the various cancer risk parameters shown in equations EQ-1 and EQ-2 for the receptor groups examined in this assessment for the construction of the Project. For DPM, the value of the CPF is 1.1 milligrams per kilogram per day.

Table 1: Exposure Assumptions for Cancer Risk – OEHHA/SCAQMD Guidance

Age Group	Exposure Frequency, EF		Exposure Duration (ED) (Years)	Age Sensitivity Factors (ASF)	Fraction Time at Home (FAH)[1]	Daily Breathing Rate[2] (DBR) (l/kg-day)
	Hours/Day	Days/Year				
Sensitive/Residential Receptor – Pre-birth to Adult (30-year duration)						
3rd Trimester to Birth	8	250	0.25	10	1	361
0 to 2 years	8	250	0.99	10	1	1,090
2 to 16 years	8	250		3	1	745
16 to 30 years	8	250		1	0.73	335
Sensitive Receptor/Residential Child (9-year duration)						
3rd Trimester to Birth	8	250	0.25	10	1	361
0 to 2 years	8	250	0.99	10	1	1,090
2 to 9 years	8	250		3	1	861
Sensitive Receptor/Residential Receptor – Adult (30-year duration)						
17 years and older	8	250	1.24	1	0.73	335
Worker Receptor (25-year duration)						
17 years and older	8	250	1.24	1		230

Notes:
[1] Assumed FAH of 1.0 for 3rd Trimester to Birth, 0 to 2 years, and 2 to 16 years age groups for a conservative analysis.
[2] Daily breathing rates are representative of the 95th percentile for sensitive/residential receptors.
(L/kg-day) = liters per kilogram body weight per day
Source: SCAQMD Rule 1401

Chronic Non-Cancer Hazard

TACs can also cause chronic (long-term) effects on non-cancer illnesses such as reproductive effects, birth defects, or adverse environmental effects. Non-cancer health risks are conveyed in terms of the HI. A ratio of the predicted concentration of the facility's reported TAC emissions to a concentration is considered acceptable to public health professionals. A significant risk is defined as an HI of 1.0 or greater. An HI of less than 1 indicates that no significant health risks are expected from the facility's TAC emissions. The following equation gives the relationship for the non-cancer hazards for TACs:

$$HI = C_{ann}/REL \quad \text{(EQ-3)}$$

Where:

HI = Hazard Index: an expression of the potential for chronic non-cancer health risks

C_{ann} = Annual average TAC concentration ($\mu g/m^3$)

REL = Reference Exposure Level: the DPM concentration at which no adverse health effects are anticipated

As predicted by the air dispersion model, annual concentrations of DPM are used to estimate chronic non-cancer hazards. The OEHHA has defined an REL for DPM of 5 $\mu g/m^3$.

2.3 Estimation of Project DPM Emissions

Construction DPM Emissions

Construction emissions were calculated using the latest CalEEMod Version 2022.1. DPM construction emissions were based on the CalEEMod construction runs for the proposed construction schedule and equipment inventory, using exhaust PM_{10} construction emissions to represent DPM emissions. Construction-related DPM emissions are expected to primarily occur as a function of heavy-duty equipment that would operate on-site during the construction phase. Additional DPM emissions would occur from the operation of construction vehicles that travel to/from the Project during construction (haul trucks, vendor trucks, and worker vehicles).

These travel link assumptions can be found in Appendix C.

Construction Equipment Emission Inventory Development

The first requirement to conduct the HRA involves identifying and quantifying the sources of construction DPM emissions from the Project, also termed an emissions inventory. Each piece of equipment that emits DPM is identified in terms of its location and physical characteristics (release height, release temperature, etc.) and the chemical nature of the emissions. The predominant sources of DPM emissions from the construction of the Project would derive from the heavy-duty diesel trucks that travel to, from, and within the Project site each day, as well as the off-road construction equipment used during the six construction phases: demolition, site preparation, trenching, grading, building construction, paving, and architectural coating. The Project's DPM exhaust emissions were calculated using the PM_{10} exhaust emissions calculated from CalEEMod. Table 2, *Construction Schedule,* shows the Project's construction schedule. Table 3, *Proposed Project Construction Equipment Inventory,* presents the Project's proposed CalEEMod default construction equipment. Table 4,

Proposed Construction Vehicle Use, shows the proposed construction vehicle use for worker, vendor, and hauling trips. Table 5, *Project On-Site and Off-Site Construction Source DPM Daily Emissions,* depicts the maximum daily on-site and off-site DPM emissions during the Project's construction. Figure 3, *Locations of the Project's Construction On-Site and Off-Site DPM Emission Sources,* provides the locations of the on-site and off-site construction DPM emission sources.

Table 2: Construction Schedule

Activity	Start Date	End Date	Total Working Days
Site Preparation	9/1/2027	10/5/2027	25
Grading	10/6/2027	1/4/2028	65
Building Construction	1/5/2028	8/22/2028	165
Paving	8/23/2028	9/26/2028	25
Architectural Coating	9/27/2028	11/28/2028	45

Source: See CalEEMod Output in Appendix A.

Table 3: Proposed Project Construction Equipment Inventory

Activity	Days of Construction	Equipment	Number	Hours per day	Horse-power	Load Factor
Site Preparation	25	Rubber Tired Dozers	3	8	367	0.4
		Crawler Tractors	5	8	84	0.37
Grading	65	Graders	2	8	87	0.43
		Excavators	1	8	36	0.38
		Crawler Tractors	1	8	148	0.41
		Rubber Tired Dozers	2	8	367	0.4
		Scrapers	3	8	423	0.48
Building Construction	165	Forklifts	1	8	84	0.37
		Generator Sets	3	8	87	0.43
		Cranes	1	8	367	0.29
		Welders	3	8	82	0.2
		Tractors/Loaders/Backhoes	1	8	14	0.74
Paving	25	Pavers	2	8	84	0.37
		Paving Equipment	2	8	46	0.45
		Rollers	2	8	81	0.42
Architectural Coating	45	Air Compressors	1	8	89	0.36

Source: See CalEEMod Output in Appendix A.

Table 4: Proposed Construction Vehicle Use

Activity	Daily Worker Trips	Daily Vendor Trips	Daily Haul Trips
Site Preparation	20	0	0
Grading	23	0	19
Building Construction	52	15	0
Paving	15	0	0
Architectural Coating	11	10	0

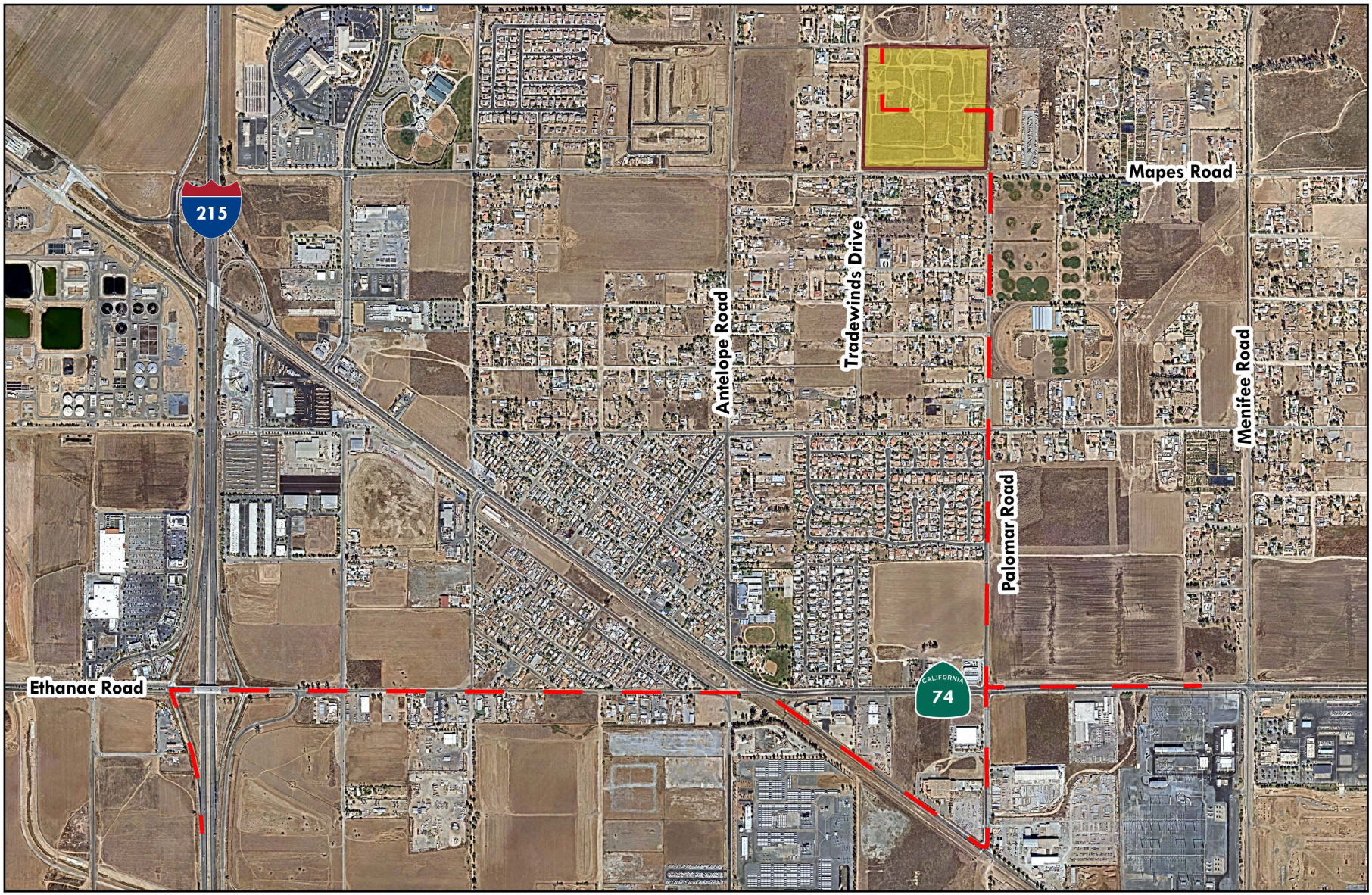
Source: See CalEEMod Output in Appendix A.

Table 5: Project On-Site and Off-Site Construction Source DPM Daily Emissions

Activity	Working Days	On-Site	Off-Site	Total
		Maximum Daily DPM Emissions (pounds/day)	Maximum Daily DPM Emissions (pounds/day)	Maximum Daily Construction Emissions (pounds/day)
2027				
Site Preparation	25	1.76	<0.01	
Grading	63	1.41	0.02	
Maximum Daily Construction Emissions 2027		**1.76**	**0.02**	**1.78**
2028				
Grading	2	1.30	0.02	
Building Construction	165	0.33	0.01	
Paving	25	0.26	<0.01	
Architectural Coating	45	0.02	<0.01	
Maximum Daily Construction Emissions 2028		**1.30**	**0.02**	**1.32**
2027-2028 Maximum Daily Construction Emissions (pounds/day)				**1.78**

Source: See Estimation of Project Construction DPM Emissions data attachment in Appendix C.

Figure 3: Locations of the Project's Construction On-Site and Off-Site DPM Emission Sources



2.4 Atmospheric Dispersion Methodology

Atmospheric dispersion modeling is the mathematical simulation of how air pollutants disperse in the ambient atmosphere. The modeling is performed with computer programs that solve algorithms simulating the movement and dispersion of air pollutants. The air dispersion model uses emissions from various emission sources and meteorological data such as wind speed and direction, air temperature, and atmospheric mixing rates to estimate the air pollutant impacts at various geographic locations (referred to as receptor locations).

Table 6, *General Modeling Assumptions,* and Table 7, *Summary of Construction Emissions Source Configurations,* provide the general assumptions applied in the AERMOD model (Version 23132). The AERMOD output sheets for construction can be found in Appendix B.

Table 6: General Modeling Assumptions

Feature	Assumption
Terrain Processing	Complex terrain; elevations were obtained for the Project site using the EPA AERMAP terrain data pre-processor Version 18081; Data Set: USGS_DEM/CDED_9034_75m.dem and USGS_DEM/CDED_9612_75m.dem.
Land Use	Urban – Based on land use patterns surrounding the Project site.
Meteorological Data	The Perris Valley National Weather Service (NWS) Station was used for the available years of 2010, 2011, 2015, and 2016 as a representative of meteorological conditions on the Project site.
Receptor Locations	A uniform network grid was used to include all existing residences and worker locations surrounding the Project site. Additional receptors were located at nearby residences. Receptors were placed at ground level.
Population	Riverside County: ~2.530 million

Source: See AERMOD Construction Model Output in Appendix B.

Table 7: Summary of Construction Emissions Source Configurations

Emission Source Type	Geometric Configuration	Relevant Assumptions
Construction Sources	Polygon Area Source	• Size of the construction area source was the size of the Project area to be constructed (36.63 net acres or 148,237 m^2). • Construction equipment emission source release height – 5 meters. • Emissions generated from the CalEEMod model. • Construction operation: Assumed 8 hours per day, 5 days a week.
Construction Vehicle Traffic	Line Area Source	• Line source release height of 3.11 meters (10.2 feet) with a plume height of 6.2 meters (20.4 feet) (from EPA Haul Roads Calculator). • Equipment/Vehicle types: see Table 3, *Proposed Project Construction Equipment Inventory*. • The assumed routes used are as follows: ○ Route 1: Project Site *to/from* Palomar Road *to/from* CA-74-100% ○ Route 2: Project Site *to/from* Palomar Road *to/from* CA-74 East-20% ○ Route 3: Project Site *to/from* Palomar Road *to/from* Case Road *to/from* Ethanac Road *to/from* I-215: 80% • Construction operation: Assumed 8 hours per day, 5 days a week.

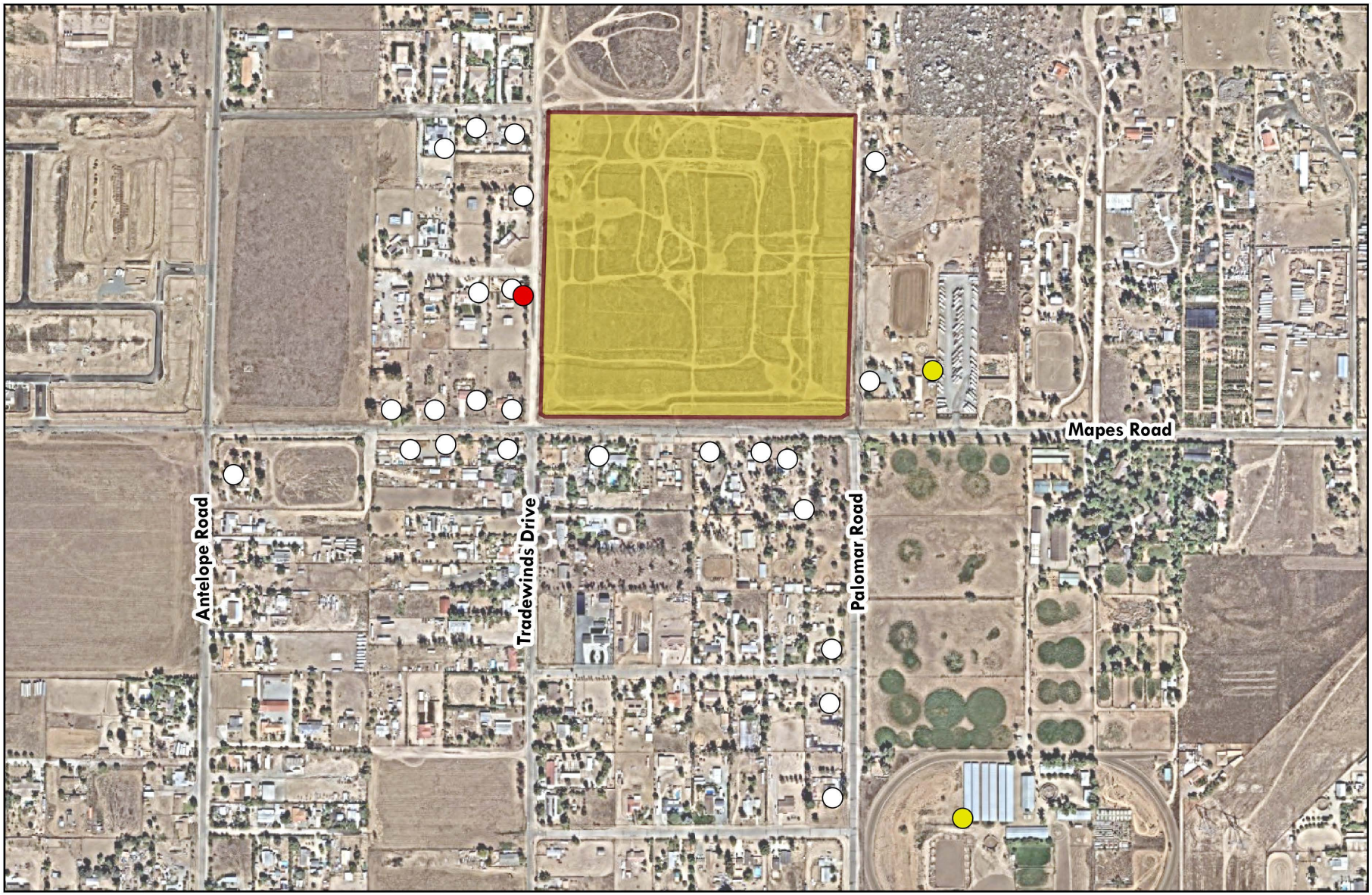
Source: See AERMOD Construction Model Output and Estimation of Project Construction DPM Emissions in Appendix B and C.

2.5 Receptors

The SCAQMD defines a sensitive receptor as any residence, including private homes, condominiums, apartments, and living quarters, schools, preschools, daycare centers, and health facilities such as hospitals or retirement and nursing homes. A sensitive receptor includes long-term care hospitals, hospices, prisons, and dormitories, or similar live-in housing. For the purpose of this HRA, sensitive receptors were placed within the air dispersion model at the locations of the closest existing residences and other establishments or residences nearest to the Project site that qualify as sensitive receptors. Receptor points were placed on existing residences, schools, healthcare facilities along the Project's travel routes, as well as the closest worker receptors to the Project's boundary. In addition, a uniform grid network of receptors was placed over the Project site to complete the receptor network. These receptors were used to evaluate the health risk during the Project's construction, including on-site source emissions and along the off-site Project routes. The closest receptors to the Project site and the Project's on-site and off-site travel links approximate the maximum DPM emissions from the construction of the Project and thus yield the highest cancer risk values.

The Project vicinity consists of several residences, bounded and separated by Tradewinds Drive, Palomar Road, and Mapes Road. The nearest sensitive receptor to the Project site is the residence located west of the Project site, at a distance of approximately 17 meters (56 feet). This same residence was identified as the maximally impacted sensitive receptor for the analysis. Figure 4, *Locations of Air Dispersion Model Receptors*, shows the receptor locations included in the HRA and highlights the nearest, maximum-impacted sensitive receptors and worker receptors.

Figure 4: Locations of Air Dispersion Model Receptors



3 RESULTS OF THE HEALTH RISK ASSESSMENT

3.1 Project-Level Risk Results

Table 8, *Summary of Proposed Project Construction Health Risk*, presents a summary of the cancer risks resulting from the Project's construction DPM emissions, along with the SCAQMD health risk significance thresholds. Figure 5, *Construction Model Output,* displays the total emission contour output for the Project's construction model. As shown in Table 8, the estimated maximum cancer risk for construction is 1.34 in one million for the maximally impacted sensitive/residential receptor, which is below the threshold of 10 in one million. The estimated maximum cancer risk for worker receptors during construction is 0.01 in one million, which is also below the SCAQMD threshold of significance of 10 in one million. In addition, the Project's maximum estimated construction results for non-cancer health risk are <0.01 for the maximum impacted sensitive receptor, which is below the significance threshold of 1.0.

The construction maximum cancer risk and non-cancer risk would not exceed the SCAQMD cancer health risk significance threshold of 10 in one million and non-cancer HI significance threshold of 1.0. Thus, the Project would have a less-than-significant impact related to both cancer and non-cancer health risks.

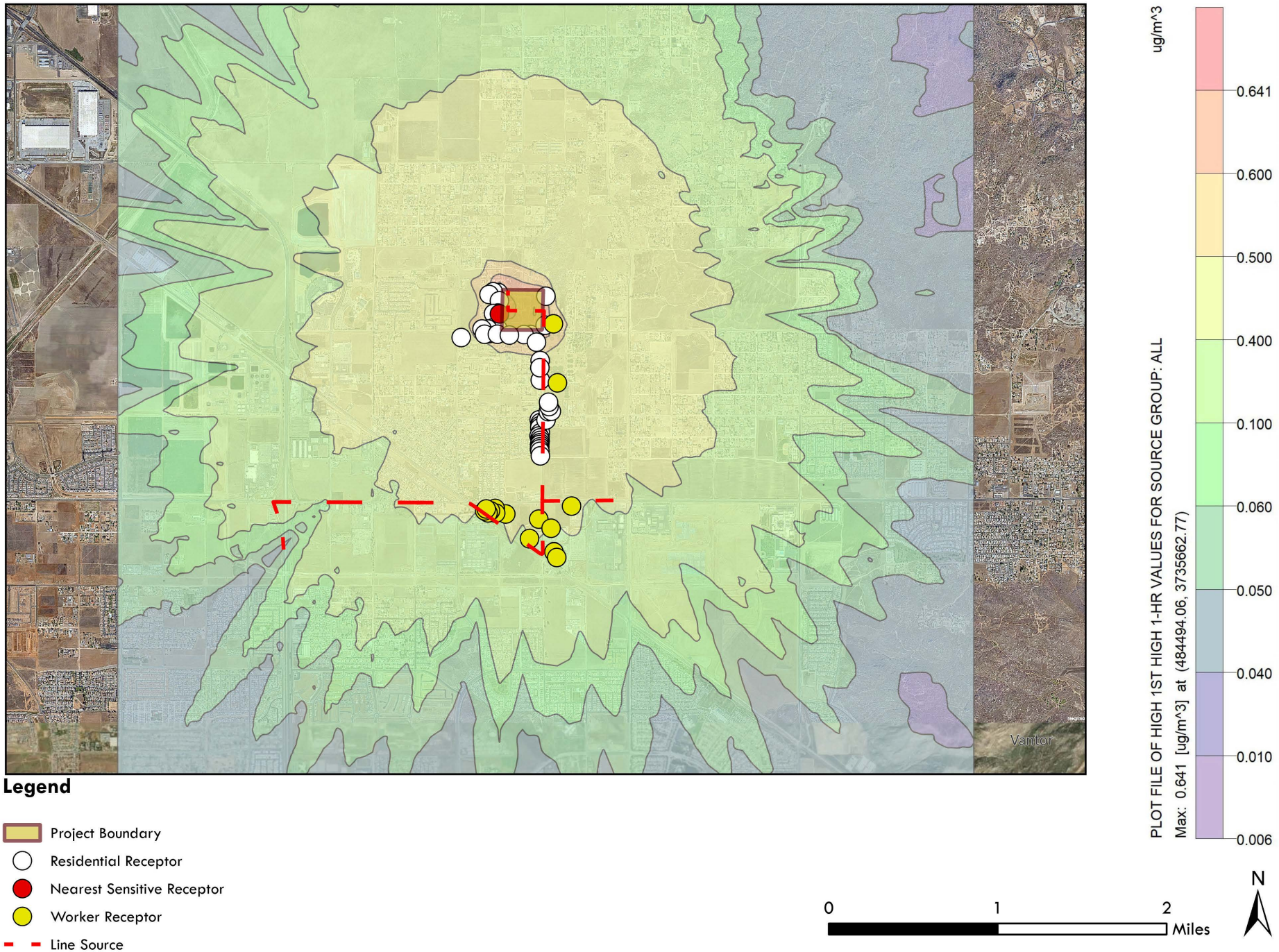
Table 8: Summary of Proposed Project Construction Health Risk

Receptor	Cancer Risk (per million)		Exceeds Significance Threshold?
	Maximum Lifetime Proposed Project Risk	Significance Threshold	
Maximum Impacted Sensitive Receptor – Infant to Adult (30 years)	1.34	10	No
Maximum Impacted Sensitive Receptor – Adult	0.03	10	No
Maximum Impacted Worker Receptor	0.01	10	No
Receptor	**Chronic Non-Cancer Hazard Index**		**Exceeds Significance Threshold?**
	Maximum Lifetime Proposed Project Risk	**Significance Threshold**	
Maximum Impacted Sensitive Receptor – Infant to Adult (30 years)	<0.01	1.0	No
Maximum Impacted Sensitive Receptor – Adult	<0.01	1.0	No
Maximum Impacted Worker Receptor	<0.01	1.0	No

Source: See Estimation of Construction Health Risk data attachment in Appendix D.

The SCAB has a nonattainment status, meaning the SCAB does not meet national air quality standards for certain criteria pollutants. Project-specific thresholds were established at levels intended to reduce cumulative health risk impacts. Therefore, project-specific thresholds are the same as cumulative thresholds. Since the Project would not exceed project-level thresholds, it would also have a less-than-significant cumulative impact for cancer and non-cancer health risks.

Figure 5: Construction Model Output



4 CONCLUSION

The emissions from Project construction would not result in cancer health risk results that exceed the lifetime cancer risk threshold of 10 in one million at the maximum impacted sensitive receptor. The Project's emissions for construction would also not result in a non-cancer risk greater than the 1.0 non-cancer HI threshold. The Project's maximum construction health risk results are summarized below.

Maximum Project Construction Health Risk Results:

- Sensitive/residential receptor for the lifetime exposure duration: 1.34 in one million
- Worker receptor: 0.01 in one million
- Sensitive receptor chronic non-cancer HI: <0.01
- Worker receptor chronic non-cancer HI: <0.01

As the Project construction health risk results would not exceed applicable SCAQMD significance thresholds, the construction of the proposed Project would result in a less-than-significant project-level and cumulative-level impact for cancer and non-cancer health risk. No mitigation would be required.

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APPENDIX A – CALEEMOD OUTPUT FOR PROJECT CONSTRUCTION

25-006 Mapes and Palomar Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	25-006 Mapes and Palomar
Construction Start Date	9/1/2027
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.5
Precipitation (days)	0.20
Location	Mapes Rd & Palomar Rd, Romoland, CA 92585, USA
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5513
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.33

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	144	Dwelling Unit	23	477,072	10,420	—	465	Residential units

Other Asphalt Surfaces	9.9	Acre	9.9	0.00	0.00	—	—	—
Other Asphalt Surfaces	3.8	Acre	3.8	0.00	0.00	—	—	off-site improvements off tract
Other Non-Asphalt Surfaces	3.1	Acre	3.1	0.00	0.00	—	—	—
City Park	3.0	Acre	3.0	0.00	0.00	47,245	—	City Park

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	71	35	34	0.05	1.8	7.8	4.4	6,176
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	71	35	34	0.07	1.8	7.8	4.4	8,677
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	9.5	7.8	8.8	0.02	0.36	1.4	0.72	1,920
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	1.7	1.4	1.6	< 0.005	0.07	0.25	0.13	318
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	75	100	550	150	150	150	55	—
Unmit.	No	No	No	No	No	No	No	—

Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	75	100	550	150	150	150	55	—
Unmit.	No	No	No	No	No	No	No	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2027	4.0	35	34	0.05	1.8	7.8	4.4	6,176
2028	71	10	17	0.03	0.33	1.1	0.50	3,803
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2027	4.0	35	34	0.07	1.8	7.8	4.4	8,677
2028	71	30	32	0.07	1.3	4.8	2.4	8,643
Average Daily	—	—	—	—	—	—	—	—
2027	0.88	7.8	7.8	0.02	0.36	1.4	0.72	1,900
2028	9.5	5.5	8.8	0.01	0.18	0.60	0.27	1,920
Annual	—	—	—	—	—	—	—	—
2027	0.16	1.4	1.4	< 0.005	0.07	0.25	0.13	315
2028	1.7	1.0	1.6	< 0.005	0.03	0.11	0.05	318

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	16	4.3	49	0.11	0.08	10	2.7	14,120
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Unmit.	15	4.5	34	0.10	0.07	10	2.7	13,382
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	16	4.6	41	0.10	0.08	10	2.7	13,386
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	2.9	0.83	7.5	0.02	0.01	1.9	0.48	2,216
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	55	55	550	150	150	150	55	—
Unmit.	No	No	No	No	No	No	No	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	55	55	550	150	150	150	55	—
Unmit.	No	No	No	No	No	No	No	—
Exceeds (Annual)	—	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	—	3,000
Unmit.	—	—	—	—	—	—	—	No

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	4.6	4.2	41	0.11	0.07	10	2.7	11,591
Area	12	0.08	8.2	< 0.005	< 0.005	< 0.005	< 0.005	22
Energy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,162
Water	—	—	—	—	—	—	—	92
Waste	—	—	—	—	—	—	—	249
Refrig.	—	—	—	—	—	—	—	3.4

Total	16	4.3	49	0.11	0.08	10	2.7	14,120
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Mobile	4.4	4.5	34	0.10	0.07	10	2.7	10,876
Area	11	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,162
Water	—	—	—	—	—	—	—	92
Waste	—	—	—	—	—	—	—	249
Refrig.	—	—	—	—	—	—	—	3.4
Total	15	4.5	34	0.10	0.07	10	2.7	13,382
Average Daily	—	—	—	—	—	—	—	—
Mobile	4.3	4.5	35	0.10	0.07	10	2.7	10,865
Area	12	0.05	5.6	< 0.005	< 0.005	< 0.005	< 0.005	15
Energy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,162
Water	—	—	—	—	—	—	—	92
Waste	—	—	—	—	—	—	—	249
Refrig.	—	—	—	—	—	—	—	3.4
Total	16	4.6	41	0.10	0.08	10	2.7	13,386
Annual	—	—	—	—	—	—	—	—
Mobile	0.78	0.82	6.4	0.02	0.01	1.9	0.48	1,799
Area	2.1	0.01	1.0	< 0.005	< 0.005	< 0.005	< 0.005	2.5
Energy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	358
Water	—	—	—	—	—	—	—	15
Waste	—	—	—	—	—	—	—	41
Refrig.	—	—	—	—	—	—	—	0.57
Total	2.9	0.83	7.5	0.02	0.01	1.9	0.48	2,216

3. Construction Emissions Details

3.1. Site Preparation (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.9	35	33	0.05	1.8	1.8	1.6	5,902
Dust From Material Movement	—	—	—	—	—	5.8	2.7	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.9	35	33	0.05	1.8	1.8	1.6	5,902
Dust From Material Movement	—	—	—	—	—	5.8	2.7	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.4	2.2	< 0.005	0.12	0.12	0.11	404
Dust From Material Movement	—	—	—	—	—	0.40	0.19	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.44	0.41	< 0.005	0.02	0.02	0.02	67
Dust From Material Movement	—	—	—	—	—	0.07	0.03	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.08	0.07	1.3	0.00	0.00	0.26	0.06	274
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.0	0.00	0.00	0.26	0.06	252
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.02	< 0.005	17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	2.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.5	30	31	0.07	1.4	1.4	1.3	7,089
Dust From Material Movement	—	—	—	—	—	2.8	0.99	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	5.1	5.2	0.01	0.24	0.24	0.22	1,207
Dust From Material Movement	—	—	—	—	—	0.48	0.17	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.94	0.96	< 0.005	0.04	0.04	0.04	200
Dust From Material Movement	—	—	—	—	—	0.09	0.03	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.1	0.00	0.00	0.29	0.07	283
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.4	0.34	0.01	0.02	0.36	0.12	1,305
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.20	0.00	0.00	0.05	0.01	49
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.24	0.06	< 0.005	< 0.005	0.06	0.02	222
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	< 0.005	8.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	< 0.005	37

3.5. Grading (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.4	28	31	0.07	1.3	1.3	1.2	7,088
Dust From Material Movement	—	—	—	—	—	2.8	0.99	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.22	0.24	< 0.005	0.01	0.01	0.01	55
Dust From Material Movement	—	—	—	—	—	0.02	0.01	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	< 0.005	9.2
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.08	0.09	1.1	0.00	0.00	0.29	0.07	278
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.4	0.33	0.01	0.02	0.36	0.12	1,277
Average Daily	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	2.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	10.0
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	1.7

3.7. Building Construction (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.1	9.7	14	0.03	0.33	0.33	0.30	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.1	9.7	14	0.03	0.33	0.33	0.30	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	4.4	6.3	0.01	0.15	0.15	0.14	1,193
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.80	1.2	< 0.005	0.03	0.03	0.02	198
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.20	0.18	3.2	0.00	0.00	0.68	0.16	698
Vendor	0.01	0.45	0.15	< 0.005	0.01	0.14	0.04	466
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.19	0.20	2.4	0.00	0.00	0.68	0.16	641
Vendor	0.01	0.47	0.15	< 0.005	0.01	0.14	0.04	465
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.2	0.00	0.00	0.31	0.07	294
Vendor	< 0.005	0.22	0.07	< 0.005	< 0.005	0.06	0.02	211
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.21	0.00	0.00	0.06	0.01	49
Vendor	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	< 0.005	35
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	6.6	9.9	0.01	0.26	0.26	0.24	1,516
Paving	1.4	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.45	0.68	< 0.005	0.02	0.02	0.02	104
Paving	0.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.12	< 0.005	< 0.005	< 0.005	< 0.005	17
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.93	0.00	0.00	0.20	0.05	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	< 0.005	13
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	2.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e

Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.1	1.5	< 0.005	0.02	0.02	0.02	179
Architectural Coatings	71	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.1	1.5	< 0.005	0.02	0.02	0.02	179
Architectural Coatings	71	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.13	0.18	< 0.005	< 0.005	< 0.005	< 0.005	22
Architectural Coatings	8.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.03	< 0.005	< 0.005	< 0.005	< 0.005	3.6
Architectural Coatings	1.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.64	0.00	0.00	0.14	0.03	140
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.49	0.00	0.00	0.14	0.03	128
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.06	0.00	0.00	0.02	< 0.005	16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	2.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Single Family Housing	4.6	4.2	41	0.11	0.07	10	2.7	11,591
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	4.6	4.2	41	0.11	0.07	10	2.7	11,591

Daily, Winter (Max)	—	—	—	—	—	—	—	—
Single Family Housing	4.4	4.5	34	0.10	0.07	10	2.7	10,876
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	4.4	4.5	34	0.10	0.07	10	2.7	10,876
Annual	—	—	—	—	—	—	—	—
Single Family Housing	0.78	0.82	6.4	0.02	0.01	1.9	0.48	1,799
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.78	0.82	6.4	0.02	0.01	1.9	0.48	1,799

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	2,162
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	0.00

City Park	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	2,162
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	2,162
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	0.00
City Park	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	2,162
Annual	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	358
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	0.00
City Park	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	358

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Consumer Products	10	—	—	—	—	—	—	—
Architectural Coatings	0.87	—	—	—	—	—	—	—

Landscape Equipment	0.71	0.08	8.2	< 0.005	< 0.005	< 0.005	< 0.005	22
Total	12	0.08	8.2	< 0.005	< 0.005	< 0.005	< 0.005	22
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Consumer Products	10	—	—	—	—	—	—	—
Architectural Coatings	0.87	—	—	—	—	—	—	—
Total	11	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Consumer Products	1.9	—	—	—	—	—	—	—
Architectural Coatings	0.16	—	—	—	—	—	—	—
Landscape Equipment	0.09	0.01	1.0	< 0.005	< 0.005	< 0.005	< 0.005	2.5
Total	2.1	0.01	1.0	< 0.005	< 0.005	< 0.005	< 0.005	2.5

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	87
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	0.00
City Park	—	—	—	—	—	—	—	4.6
Total	—	—	—	—	—	—	—	92

Daily, Winter (Max)	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	87
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	0.00
City Park	—	—	—	—	—	—	—	4.6
Total	—	—	—	—	—	—	—	92
Annual	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	14
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	0.00
City Park	—	—	—	—	—	—	—	0.77
Total	—	—	—	—	—	—	—	15

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	249
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	0.00

City Park	—	—	—	—	—	—	—	0.49
Total	—	—	—	—	—	—	—	249
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	249
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	0.00
City Park	—	—	—	—	—	—	—	0.49
Total	—	—	—	—	—	—	—	249
Annual	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	41
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	0.00
City Park	—	—	—	—	—	—	—	0.08
Total	—	—	—	—	—	—	—	41

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	3.4
City Park	—	—	—	—	—	—	—	0.00

Total	—	—	—	—	—	—	—	3.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	3.4
City Park	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3.4
Annual	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	0.57
City Park	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	0.57

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—

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

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

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	9/1/2027	10/5/2027	5.0	25	—
Grading	Grading	10/6/2027	1/4/2028	5.0	65	—
Building Construction	Building Construction	1/5/2028	8/22/2028	5.0	165	—
Paving	Paving	8/23/2028	9/26/2028	5.0	25	—
Architectural Coating	Architectural Coating	9/27/2028	11/28/2028	5.0	45	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.0	8.0	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.0	84	0.37
Site Preparation	Crawler Tractors	Diesel	Average	5.0	8.0	87	0.43
Grading	Excavators	Diesel	Average	2.0	8.0	36	0.38
Grading	Graders	Diesel	Average	1.00	8.0	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.0	367	0.40
Grading	Scrapers	Diesel	Average	2.0	8.0	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.0	84	0.37
Grading	Crawler Tractors	Diesel	Average	3.0	8.0	87	0.43
Building Construction	Cranes	Diesel	Average	1.00	8.0	367	0.29
Building Construction	Forklifts	Diesel	Average	3.0	8.0	82	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.0	14	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.0	8.0	84	0.37
Building Construction	Welders	Diesel	Average	1.00	8.0	46	0.45
Paving	Pavers	Diesel	Average	2.0	8.0	81	0.42
Paving	Paving Equipment	Diesel	Average	2.0	8.0	89	0.36
Paving	Rollers	Diesel	Average	2.0	8.0	36	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.0	37	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	Worker	20	19	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10	HHDT,MHDT

Site Preparation	Hauling	0.00	20	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	23	19	LDA,LDT1,LDT2
Grading	Vendor	—	10	HHDT,MHDT
Grading	Hauling	19	20	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	52	19	LDA,LDT1,LDT2
Building Construction	Vendor	15	10	HHDT,MHDT
Building Construction	Hauling	0.00	20	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15	19	LDA,LDT1,LDT2
Paving	Vendor	—	10	HHDT,MHDT
Paving	Hauling	0.00	20	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	10	19	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	966,071	322,024	0.00	0.00	43,856

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	100	0.00	0.00
Grading	—	9,746	195	0.00	0.00
Paving	0.00	0.00	0.00	0.00	18

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Single Family Housing	1.6	0%
Paving	Other Asphalt Surfaces	9.9	100%
Paving	Other Asphalt Surfaces	3.8	100%
Paving	Other Non-Asphalt Surfaces	3.1	0%
Paving	City Park	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00	532	0.03	< 0.005
2028	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	1,309	1,300	1,214	472,364	14,565	14,469	13,507	5,255,941
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Single Family Housing	Wood Fireplaces	0	0
Single Family Housing	Gas Fireplaces	0	0
Single Family Housing	Propane Fireplaces	0	0
Single Family Housing	Electric Fireplaces	0	0
Single Family Housing	No Fireplaces	0	0
Single Family Housing	Conventional Wood Stoves	0	0
Single Family Housing	Catalytic Wood Stoves	0	0
Single Family Housing	Non-Catalytic Wood Stoves	0	0
Single Family Housing	Pellet Wood Stoves	0	0
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0

Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0
Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0
Other Non-Asphalt Surfaces	Wood Fireplaces	0	0
Other Non-Asphalt Surfaces	Gas Fireplaces	0	0
Other Non-Asphalt Surfaces	Propane Fireplaces	0	0
Other Non-Asphalt Surfaces	Electric Fireplaces	0	0
Other Non-Asphalt Surfaces	No Fireplaces	0	0
Other Non-Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Non-Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Pellet Wood Stoves	0	0
City Park	Wood Fireplaces	0	0
City Park	Gas Fireplaces	0	0
City Park	Propane Fireplaces	0	0

City Park	Electric Fireplaces	0	0
City Park	No Fireplaces	0	0
City Park	Conventional Wood Stoves	0	0
City Park	Catalytic Wood Stoves	0	0
City Park	Non-Catalytic Wood Stoves	0	0
City Park	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

—	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
undefined	966,071	322,024	0.00	0.00	43,856

5.10.3. Landscape Equipment

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	2,266,678	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
City Park	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	5,857,024	201,931
Other Asphalt Surfaces	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
City Park	0.00	915,570

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	132	0.00
Other Asphalt Surfaces	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
City Park	0.26	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.5	2.5	10.0

Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.0	4.0	18
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	29	annual days of extreme heat
Extreme Precipitation	2.6	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	15	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A

Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	1	1	4
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	95
AQ-PM	51
AQ-DPM	43
Drinking Water	10
Lead Risk Housing	35
Pesticides	58
Toxic Releases	25
Traffic	82
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	0.00
Haz Waste Facilities/Generators	36
Impaired Water Bodies	0.00
Solid Waste	36
Sensitive Population	—
Asthma	39
Cardio-vascular	73
Low Birth Weights	38
Socioeconomic Factor Indicators	—
Education	86
Housing	73
Linguistic	44
Poverty	88
Unemployment	67

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	21.59630438
Employed	8.956756063
Median HI	35.94251251
Education	—
Bachelor's or higher	3.836776594
High school enrollment	6.685486975
Preschool enrollment	31.33581419
Transportation	—
Auto Access	49.51879892
Active commuting	15.06480175
Social	—
2-parent households	62.08135506
Voting	24.39368664
Neighborhood	—
Alcohol availability	66.20043629
Park access	2.194276915
Retail density	9.316052868
Supermarket access	32.97831387
Tree canopy	0.667265495
Housing	—
Homeownership	65.03272167
Housing habitability	43.02579238
Low-inc homeowner severe housing cost burden	15.44976261
Low-inc renter severe housing cost burden	71.34607982

Uncrowded housing	14.42320031
Health Outcomes	—
Insured adults	9.547029385
Arthritis	32.0
Asthma ER Admissions	60.6
High Blood Pressure	38.5
Cancer (excluding skin)	55.0
Asthma	27.9
Coronary Heart Disease	28.5
Chronic Obstructive Pulmonary Disease	23.6
Diagnosed Diabetes	33.2
Life Expectancy at Birth	16.6
Cognitively Disabled	44.8
Physically Disabled	87.9
Heart Attack ER Admissions	34.3
Mental Health Not Good	26.2
Chronic Kidney Disease	27.1
Obesity	17.5
Pedestrian Injuries	90.3
Physical Health Not Good	26.5
Stroke	39.4
Health Risk Behaviors	—
Binge Drinking	35.4
Current Smoker	23.0
No Leisure Time for Physical Activity	24.4
Climate Change Exposures	—
Wildfire Risk	7.3
SLR Inundation Area	0.0

Children	81.0
Elderly	85.6
English Speaking	69.8
Foreign-born	42.8
Outdoor Workers	5.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	92.8
Traffic Density	52.0
Traffic Access	23.0
Other Indices	—
Hardship	80.6
Other Decision Support	—
2016 Voting	37.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	58
Healthy Places Index Score for Project Location (b)	11
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Adjusted based on the site plan.
Construction: Construction Phases	Adjusted based on the provided info by the applicant.
Construction: Off-Road Equipment	Added typical equipment used for trenching. Assumed all construction will be utilized 8 hours per work day. Replaced Tractors/Loaders/Backhoes with Crawler Tractors in the Site Preparation and Grading Phases.
Construction: Dust From Material Movement	Based on the grading plan, the expected net export is 9,746 CY.
Operations: Vehicle Data	Adjusted rates for Weekday Trips (based on ITE 12th Edition), Saturday Trips, and Sunday Trips to match ITE trip rates for 210-Single-Family Detached Housing.
Operations: Hearths	Fireplaces and Wood Stoves are removed in accordance with SCAQMD Rule 445.
Operations: Energy Use	Since the Project does not include natural gas, the estimated natural gas consumption is converted to electricity-equivalent using a factor of 0.18 and added to the electricity consumption, based on the American Gas Association (AGA) 2022, Comparison of Home Appliance Energy Use, Operating Costs, and Carbon Dioxide Emissions – 2022 Update.

APPENDIX B – AERMOD CONSTRUCTION MODEL OUTPUT

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 11/20/2025
** File: C:\Lakes\AERMOD View\25-006 Mapes and Palomar\25-006 Mapes and Palomar.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\25-006 Mapes and Palomar\25-006 Mapes and Palom
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 2530000
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "25-006 Mapes and Palomar.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION PAREA1       AREAPOLY   484515.904  3735698.422        2.459
** DESCRSRC Area Source
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = ARLN1
** DESCRSRC Route 1
** PREFIX
** Length of Side = 15.24
** Ratio = 10
** Vertical Dimension = 2.46
** Emission Rate = 3.8059E-10
** Nodes = 4
** 484575.326, 3735689.893, 0.00, 2.64
** 484576.044, 3735498.317, 0.00, 2.64
** 484918.248, 3735495.638, 0.00, 2.64
```

```
** 484902.289, 3733683.729, 0.00, 2.64
** ----------------------------------------------------------------
   LOCATION A0000001     AREA     484567.706 3735689.864 0.00
   LOCATION A0000002     AREA     484568.065 3735594.076 0.00
   LOCATION A0000003     AREA     484575.985 3735490.697 0.00
   LOCATION A0000004     AREA     484690.053 3735489.804 0.00
   LOCATION A0000005     AREA     484804.121 3735488.911 0.00
   LOCATION A0000006     AREA     484910.629 3735495.705 0.00
   LOCATION A0000007     AREA     484909.299 3735344.713 0.00
   LOCATION A0000008     AREA     484907.969 3735193.720 0.00
   LOCATION A0000009     AREA     484906.639 3735042.728 0.00
   LOCATION A0000010     AREA     484905.309 3734891.736 0.00
   LOCATION A0000011     AREA     484903.979 3734740.743 0.00
   LOCATION A0000012     AREA     484902.649 3734589.751 0.00
   LOCATION A0000013     AREA     484901.319 3734438.758 0.00
   LOCATION A0000014     AREA     484899.989 3734287.766 0.00
   LOCATION A0000015     AREA     484898.659 3734136.774 0.00
   LOCATION A0000016     AREA     484897.329 3733985.781 0.00
   LOCATION A0000808     AREA     484895.999 3733834.789 0.00
** End of LINE AREA Source ID = ARLN1
** ----------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = ARLN2
** DESCRSRC Route 2
** PREFIX
** Length of Side = 27.43
** Ratio = 10
** Vertical Dimension = 2.46
** Emission Rate = 4.5181E-10
** Nodes = 3
** 484901.844, 3733683.044, 0.00, 2.64
** 485575.622, 3733688.789, 0.00, 2.64
** 485580.006, 3733688.789, 0.00, 2.64
** ----------------------------------------------------------------
   LOCATION A0000772     AREA     484901.961 3733669.329 0.00
   LOCATION A0000773     AREA     485126.554 3733671.244 0.00
   LOCATION A0000774     AREA     485351.146 3733673.159 0.00
   LOCATION A0000775     AREA     485575.622 3733675.073 0.00
** End of LINE AREA Source ID = ARLN2
** ----------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = ARLN3
** DESCRSRC Route 3
** PREFIX
** Length of Side = 31.00
** Ratio = 10
** Vertical Dimension = 2.46
** Emission Rate = 1.3153E-10
** Nodes = 13
** 484901.642, 3733682.881, 0.00, 0.00
```

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** 484906.762, 3733206.223, 0.00, 0.00
** 484906.208, 3733186.295, 0.00, 0.00
** 484900.119, 3733180.206, 0.00, 0.00
** 484880.745, 3733185.742, 0.00, 0.00
** 484252.698, 3733633.793, 0.00, 0.00
** 484215.946, 3733657.023, 0.00, 0.00
** 484183.700, 3733664.998, 0.00, 0.00
** 484099.793, 3733666.385, 0.00, 0.00
** 482338.873, 3733674.226, 0.00, 0.00
** 482404.561, 3733484.415, 0.00, 0.00
** 482425.918, 3733390.526, 0.00, 0.00
** 482438.367, 3733222.725, 0.00, 0.00
** ----------------------------------------------------------------------
   LOCATION A0000782     AREA     484886.143 3733682.714 0.00
   LOCATION A0000783     AREA     484888.703 3733444.386 0.00
   LOCATION A0000784     AREA     484891.268 3733206.654 0.00
   LOCATION A0000785     AREA     484895.248 3733197.255 0.00
   LOCATION A0000786     AREA     484904.377 3733195.110 0.00
   LOCATION A0000787     AREA     484889.746 3733198.360 0.00
   LOCATION A0000788     AREA     484680.398 3733347.710 0.00
   LOCATION A0000789     AREA     484471.049 3733497.060 0.00
   LOCATION A0000790     AREA     484260.980 3733646.895 0.00
   LOCATION A0000791     AREA     484219.667 3733672.070 0.00
   LOCATION A0000792     AREA     484183.956 3733680.496 0.00
   LOCATION A0000793     AREA     484099.862 3733681.884 0.00
   LOCATION A0000809     AREA     483806.375 3733683.191 0.00
   LOCATION A0000810     AREA     483512.889 3733684.498 0.00
   LOCATION A0000811     AREA     483219.402 3733685.805 0.00
   LOCATION A0000812     AREA     482925.915 3733687.112 0.00
   LOCATION A0000813     AREA     482632.428 3733688.419 0.00
   LOCATION A0000814     AREA     482324.225 3733669.157 0.00
   LOCATION A0000815     AREA     482389.447 3733480.977 0.00
   LOCATION A0000816     AREA     482410.460 3733389.379 0.00
** End of LINE AREA Source ID = ARLN3
** Source Parameters **
   SRCPARAM PAREA1        6.42E-08     5.000         4
   AREAVERT PAREA1       484515.904 3735698.422 484910.737 3735691.993
   AREAVERT PAREA1       484903.248 3735315.063 484511.170 3735322.301
** LINE AREA Source ID = ARLN1
   SRCPARAM A0000001     3.8059E-10     2.643    95.789    15.240    89.785
2.459
   SRCPARAM A0000002     3.8059E-10     2.643    95.789    15.240    89.785
2.459
   SRCPARAM A0000003     3.8059E-10     2.643   114.071    15.240     0.448
2.459
   SRCPARAM A0000004     3.8059E-10     2.643   114.071    15.240     0.448
2.459
   SRCPARAM A0000005     3.8059E-10     2.643   114.071    15.240     0.448
2.459
   SRCPARAM A0000006     3.8059E-10     2.643   150.998    15.240    90.505
```

```
2.459
   SRCPARAM A0000007     3.8059E-10     2.643   150.998    15.240    90.505
2.459
   SRCPARAM A0000008     3.8059E-10     2.643   150.998    15.240    90.505
2.459
   SRCPARAM A0000009     3.8059E-10     2.643   150.998    15.240    90.505
2.459
   SRCPARAM A0000010     3.8059E-10     2.643   150.998    15.240    90.505
2.459
   SRCPARAM A0000011     3.8059E-10     2.643   150.998    15.240    90.505
2.459
   SRCPARAM A0000012     3.8059E-10     2.643   150.998    15.240    90.505
2.459
   SRCPARAM A0000013     3.8059E-10     2.643   150.998    15.240    90.505
2.459
   SRCPARAM A0000014     3.8059E-10     2.643   150.998    15.240    90.505
2.459
   SRCPARAM A0000015     3.8059E-10     2.643   150.998    15.240    90.505
2.459
   SRCPARAM A0000016     3.8059E-10     2.643   150.998    15.240    90.505
2.459
   SRCPARAM A0000808     3.8059E-10     2.643   150.998    15.240    90.505
2.459
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** LINE AREA Source ID = ARLN2
   SRCPARAM A0000772     4.5181E-10     2.643   224.601    27.432    -0.489
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   SRCPARAM A0000773     4.5181E-10     2.643   224.601    27.432    -0.489
2.459
   SRCPARAM A0000774     4.5181E-10     2.643   224.601    27.432    -0.489
2.459
   SRCPARAM A0000775     4.5181E-10     2.643     4.385    27.432     0.000
2.459
** ------------------------------------------------------------------
** LINE AREA Source ID = ARLN3
   SRCPARAM A0000782     1.3153E-10     0.000   238.343    31.000    89.385
2.459
   SRCPARAM A0000783     1.3153E-10     0.000   238.343    31.000    89.385
2.459
   SRCPARAM A0000784     1.3153E-10     0.000    19.936    31.000    91.591
2.459
   SRCPARAM A0000785     1.3153E-10     0.000     8.611    31.000   135.000
2.459
   SRCPARAM A0000786     1.3153E-10     0.000    20.150    31.000  -164.055
2.459
   SRCPARAM A0000787     1.3153E-10     0.000   257.162    31.000  -144.496
2.459
   SRCPARAM A0000788     1.3153E-10     0.000   257.162    31.000  -144.496
2.459
   SRCPARAM A0000789     1.3153E-10     0.000   257.162    31.000  -144.496
```

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2.459
   SRCPARAM A0000790     1.3153E-10     0.000    43.479    31.000  -147.704
2.459
   SRCPARAM A0000791     1.3153E-10     0.000    33.217    31.000  -166.109
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   SRCPARAM A0000792     1.3153E-10     0.000    83.919    31.000  -179.053
2.459
   SRCPARAM A0000793     1.3153E-10     0.000   293.490    31.000  -179.745
2.459
   SRCPARAM A0000809     1.3153E-10     0.000   293.490    31.000  -179.745
2.459
   SRCPARAM A0000810     1.3153E-10     0.000   293.490    31.000  -179.745
2.459
   SRCPARAM A0000811     1.3153E-10     0.000   293.490    31.000  -179.745
2.459
   SRCPARAM A0000812     1.3153E-10     0.000   293.490    31.000  -179.745
2.459
   SRCPARAM A0000813     1.3153E-10     0.000   293.490    31.000  -179.745
2.459
   SRCPARAM A0000814     1.3153E-10     0.000   200.857    31.000    70.911
2.459
   SRCPARAM A0000815     1.3153E-10     0.000    96.287    31.000    77.185
2.459
   SRCPARAM A0000816     1.3153E-10     0.000   168.263    31.000    85.757
2.459
** ------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Seven Days (HRDOW7)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT PAREA1       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT PAREA1       HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT PAREA1       HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT PAREA1       HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT PAREA1       HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT PAREA1       HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT PAREA1       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000001     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000001     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000001     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000002     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000002     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000002     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000003     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000003     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000003     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000004     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000004     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000004     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000005     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000005     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000005     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000006     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000006     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000006     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000007     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000007     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000007     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000008     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000008     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000008     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000009     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000009     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000009     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000010     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000010     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000010     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000011     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000011     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000011     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000012     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000012     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000012     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000013     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000013     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000013     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000014     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000014     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000014     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000015     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000015     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000016     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000016     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000808     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
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EMISFACT A0000808     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000808     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000001     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000001     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000001     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000002     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000002     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000002     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000003     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000003     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000003     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000004     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000004     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000004     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000005     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000005     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000005     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000006     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000006     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000006     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000007     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000007     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000007     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000008     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000008     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000008     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000009     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000009     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000009     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000010     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000010     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000010     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000011     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000011     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000011     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000012     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000012     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000012     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000013     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000013     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000013     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000014     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000014     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000014     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000015     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000015     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000016     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000016     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT A0000808     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000808     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000808     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000001     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000001     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000001     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000002     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000002     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000002     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000003     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000003     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000003     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000004     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000004     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000004     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000005     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000005     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000005     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000006     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000006     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000006     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000007     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000007     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000007     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000008     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000008     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000008     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000009     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000009     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000009     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000010     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000010     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000010     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000011     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000011     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000011     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000012     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000012     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000012     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000013     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000013     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000013     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000014     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000014     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000014     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000015     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000015     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000016     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT A0000016     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000808     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000808     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000808     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000001     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000001     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000001     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000002     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000002     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000002     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000003     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000003     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000003     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000004     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000004     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000004     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000005     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000005     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000005     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000006     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000006     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000006     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000007     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000007     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000007     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000008     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000008     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000008     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000009     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000009     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000009     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000010     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000010     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000010     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000011     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000011     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000011     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000012     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000012     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000012     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000013     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000013     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000013     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000014     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000014     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000014     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000015     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000015     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
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EMISFACT A0000016     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT A0000808     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000808     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT A0000001     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT A0000002     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000002     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT A0000003     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT A0000005     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT A0000006     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000006     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000007     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
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EMISFACT A0000015     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000015     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT A0000808     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT A0000001     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT A0000005     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000005     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT A0000014     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT A0000015     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT A0000001     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT A0000008     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT A0000014     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000014     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT A0000016     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT A0000775     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000775     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000772     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000772     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT A0000772     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000772     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT A0000773     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT A0000809     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000809     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT A0000811     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
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EMISFACT A0000812     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
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EMISFACT A0000813     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
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EMISFACT A0000791     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
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EMISFACT A0000814     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT A0000784     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT A0000789     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000789     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000789     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000790     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000790     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000790     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000791     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000791     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000791     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000792     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000792     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000792     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000793     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000793     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000793     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000809     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000809     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000809     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000810     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000810     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000810     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000811     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000811     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000811     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000812     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000812     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000812     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000813     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000813     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000813     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000814     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000814     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000814     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000815     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000815     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000815     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000816     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000816     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000816     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED "25-006 Mapes and Palomar.rou"
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 1398.0 FEET
ME FINISHED
**
**********************************
** AERMOD Output Pathway
**********************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "25-006 Mapes and Palomar.AD\01H1GALL.PLT" 31
   PLOTFILE PERIOD ALL "25-006 Mapes and Palomar.AD\PE00GALL.PLT" 32
   SUMMFILE "25-006 Mapes and Palomar.sum"
```

```
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    1096       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187    1096       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
```

```
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for    42 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   2530000.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:     42 Source(s);       1 Source Group(s); and    5684
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:     42 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                 and:      0 SWPOINT source(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   426.11 ;  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 = 4.2 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: 25-006 Mapes and Palomar.err

**File for Summary of Results: 25-006 Mapes and Palomar.sum

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
A0000001	0	0.38059E-09	484567.7	3735689.9	0.0	2.64	95.79	15.24	89.78	2.46	YES	HRDOW7	NO
A0000002	0	0.38059E-09	484568.1	3735594.1	0.0	2.64	95.79	15.24	89.78	2.46	YES	HRDOW7	NO
A0000003	0	0.38059E-09	484576.0	3735490.7	0.0	2.64	114.07	15.24	0.45	2.46	YES	HRDOW7	NO
A0000004	0	0.38059E-09	484690.1	3735489.8	0.0	2.64	114.07	15.24	0.45	2.46	YES	HRDOW7	NO
A0000005	0	0.38059E-09	484804.1	3735488.9	0.0	2.64	114.07	15.24	0.45	2.46	YES	HRDOW7	NO
A0000006	0	0.38059E-09	484910.6	3735495.7	0.0	2.64	151.00	15.24	90.50	2.46	YES	HRDOW7	NO
A0000007	0	0.38059E-09	484909.3	3735344.7	0.0	2.64	151.00	15.24	90.50	2.46	YES	HRDOW7	NO
A0000008	0	0.38059E-09	484908.0	3735193.7	0.0	2.64	151.00	15.24	90.50	2.46	YES	HRDOW7	NO
A0000009	0	0.38059E-09	484906.6	3735042.7	0.0	2.64	151.00						

```
15.24     90.50     2.46     YES   HRDOW7           NO
 A0000010         0   0.38059E-09  484905.3 3734891.7     0.0     2.64    151.00
15.24     90.50     2.46     YES   HRDOW7           NO
 A0000011         0   0.38059E-09  484904.0 3734740.7     0.0     2.64    151.00
15.24     90.50     2.46     YES   HRDOW7           NO
 A0000012         0   0.38059E-09  484902.6 3734589.8     0.0     2.64    151.00
15.24     90.50     2.46     YES   HRDOW7           NO
 A0000013         0   0.38059E-09  484901.3 3734438.8     0.0     2.64    151.00
15.24     90.50     2.46     YES   HRDOW7           NO
 A0000014         0   0.38059E-09  484900.0 3734287.8     0.0     2.64    151.00
15.24     90.50     2.46     YES   HRDOW7           NO
 A0000015         0   0.38059E-09  484898.7 3734136.8     0.0     2.64    151.00
15.24     90.50     2.46     YES   HRDOW7           NO
 A0000016         0   0.38059E-09  484897.3 3733985.8     0.0     2.64    151.00
15.24     90.50     2.46     YES   HRDOW7           NO
 A0000808         0   0.38059E-09  484896.0 3733834.8     0.0     2.64    151.00
15.24     90.50     2.46     YES   HRDOW7           NO
 A0000772         0   0.45181E-09  484902.0 3733669.3     0.0     2.64    224.60
27.43     -0.49     2.46     YES   HRDOW7           NO
 A0000773         0   0.45181E-09  485126.6 3733671.2     0.0     2.64    224.60
27.43     -0.49     2.46     YES   HRDOW7           NO
 A0000774         0   0.45181E-09  485351.1 3733673.2     0.0     2.64    224.60
27.43     -0.49     2.46     YES   HRDOW7           NO
 A0000775         0   0.45181E-09  485575.6 3733675.1     0.0     2.64      4.38
27.43      0.00     2.46     YES   HRDOW7           NO
 A0000782         0   0.13153E-09  484886.1 3733682.7     0.0     0.00    238.34
31.00     89.38     2.46     YES   HRDOW7           NO
 A0000783         0   0.13153E-09  484888.7 3733444.4     0.0     0.00    238.34
31.00     89.38     2.46     YES   HRDOW7           NO
 A0000784         0   0.13153E-09  484891.3 3733206.7     0.0     0.00     19.94
31.00     91.59     2.46     YES   HRDOW7           NO
 A0000785         0   0.13153E-09  484895.2 3733197.3     0.0     0.00      8.61
31.00    135.00     2.46     YES   HRDOW7           NO
 A0000786         0   0.13153E-09  484904.4 3733195.1     0.0     0.00     20.15
31.00   -164.06     2.46     YES   HRDOW7           NO
 A0000787         0   0.13153E-09  484889.7 3733198.4     0.0     0.00    257.16
31.00   -144.50     2.46     YES   HRDOW7           NO
 A0000788         0   0.13153E-09  484680.4 3733347.7     0.0     0.00    257.16
31.00   -144.50     2.46     YES   HRDOW7           NO
 A0000789         0   0.13153E-09  484471.0 3733497.1     0.0     0.00    257.16
31.00   -144.50     2.46     YES   HRDOW7           NO
 A0000790         0   0.13153E-09  484261.0 3733646.9     0.0     0.00     43.48
31.00   -147.70     2.46     YES   HRDOW7           NO
 A0000791         0   0.13153E-09  484219.7 3733672.1     0.0     0.00     33.22
31.00   -166.11     2.46     YES   HRDOW7           NO
 A0000792         0   0.13153E-09  484184.0 3733680.5     0.0     0.00     83.92
31.00   -179.05     2.46     YES   HRDOW7           NO
 A0000793         0   0.13153E-09  484099.9 3733681.9     0.0     0.00    293.49
31.00   -179.74     2.46     YES   HRDOW7           NO
 A0000809         0   0.13153E-09  483806.4 3733683.2     0.0     0.00    293.49
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31.00   -179.74     2.46     YES   HRDOW7           NO
 A0000810         0   0.13153E-09  483512.9 3733684.5     0.0     0.00    293.49
31.00   -179.74     2.46     YES   HRDOW7           NO
 A0000811         0   0.13153E-09  483219.4 3733685.8     0.0     0.00    293.49
31.00   -179.74     2.46     YES   HRDOW7           NO
 A0000812         0   0.13153E-09  482925.9 3733687.1     0.0     0.00    293.49
31.00   -179.74     2.46     YES   HRDOW7           NO
 A0000813         0   0.13153E-09  482632.4 3733688.4     0.0     0.00    293.49
31.00   -179.74     2.46     YES   HRDOW7           NO
 A0000814         0   0.13153E-09  482324.2 3733669.2     0.0     0.00    200.86
31.00     70.91     2.46     YES   HRDOW7           NO
 A0000815         0   0.13153E-09  482389.4 3733481.0     0.0     0.00     96.29
31.00     77.18     2.46     YES   HRDOW7           NO
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

                                  PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** AREA SOURCE DATA ***

              NUMBER EMISSION RATE  COORD (SW CORNER)  BASE     RELEASE  X-DIM
Y-DIM    ORIENT.    INIT.   URBAN  EMISSION RATE  AIRCRAFT
   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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 A0000816         0   0.13153E-09  482410.5 3733389.4     0.0     0.00    168.26
31.00     85.76     2.46     YES   HRDOW7           NO
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** AREAPOLY SOURCE DATA ***

              NUMBER EMISSION RATE   LOCATION OF AREA  BASE     RELEASE  NUMBER
 INIT.   URBAN  EMISSION RATE    AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC       X        Y      ELEV.    HEIGHT  OF VERTS.
  SZ     SOURCE  SCALAR VARY
```

```
     ID         CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 PAREA1           0   0.64200E-07  484515.9 3735698.4     2.5     5.00       4
  0.00     YES   HRDOW7           NO
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
 -----------                                          ----------


  ALL        PAREA1      , A0000001    , A0000002    , A0000003    , A0000004    ,
A0000005    , A0000006    , A0000007    ,

             A0000008    , A0000009    , A0000010    , A0000011    , A0000012    ,
A0000013    , A0000014    , A0000015    ,

             A0000016    , A0000808    , A0000772    , A0000773    , A0000774    ,
A0000775    , A0000782    , A0000783    ,

             A0000784    , A0000785    , A0000786    , A0000787    , A0000788    ,
A0000789    , A0000790    , A0000791    ,

             A0000792    , A0000793    , A0000809    , A0000810    , A0000811    ,
A0000812    , A0000813    , A0000814    ,

             A0000815    , A0000816    ,
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                  PAGE   6
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                        *** SOURCE IDs DEFINED AS URBAN SOURCES
***
```

```
  URBAN ID   URBAN POP                                        SOURCE IDs
  --------   ---------                                        ----------


              2530000.   PAREA1      , A0000001    , A0000002    , A0000003    ,
A0000004    , A0000005    , A0000006    ,
 A0000007    ,

              A0000008    , A0000009    , A0000010    , A0000011    , A0000012    ,
A0000013    , A0000014    , A0000015    ,

              A0000016    , A0000808    , A0000772    , A0000773    , A0000774    ,
A0000775    , A0000782    , A0000783    ,

              A0000784    , A0000785    , A0000786    , A0000787    , A0000788    ,
A0000789    , A0000790    , A0000791    ,

              A0000792    , A0000793    , A0000809    , A0000810    , A0000811    ,
A0000812    , A0000813    , A0000814    ,

              A0000815    , A0000816    ,
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW7) *

 SOURCE ID = PAREA1       ; SOURCE TYPE = AREAPOLY :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = A0000001     ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
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 - - -
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = A0000002   ; SOURCE TYPE = AREA   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = TUESDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = WEDNESDY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW7) *

 SOURCE ID = A0000003     ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
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14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW7) *

 SOURCE ID = A0000004     ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
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```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = A0000005 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW7) *

 SOURCE ID = A0000006     ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW7) *

 SOURCE ID = A0000007   ; SOURCE TYPE = AREA   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = TUESDAY

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
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WEEK (HRDOW7) *

 SOURCE ID = A0000008     ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW7) *

 SOURCE ID = A0000009   ; SOURCE TYPE = AREA   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = TUESDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = A0000010 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = TUESDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = A0000011     ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = A0000012   ; SOURCE TYPE = AREA   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = TUESDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = WEDNESDY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                  PAGE  20
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW7) *

 SOURCE ID = A0000013     ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
```

14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW7) *

 SOURCE ID = A0000014   ; SOURCE TYPE = AREA   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = A0000015 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

DAY OF WEEK = SUNDAY

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = A0000016 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = TUESDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = WEDNESDY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = THURSDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW7) *

 SOURCE ID = A0000808   ; SOURCE TYPE = AREA   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = TUESDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
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WEEK (HRDOW7) *

 SOURCE ID = A0000772     ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
```

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW7) *

 SOURCE ID = A0000773   ; SOURCE TYPE = AREA   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = TUESDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = A0000774 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = TUESDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = A0000775     ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
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 - - -
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = A0000782   ; SOURCE TYPE = AREA   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = TUESDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                  PAGE  30
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW7) *

 SOURCE ID = A0000783     ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
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14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = A0000784     ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = A0000785 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW7) *

 SOURCE ID = A0000786   ; SOURCE TYPE = AREA   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = TUESDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW7) *

 SOURCE ID = A0000787   ; SOURCE TYPE = AREA   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = TUESDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```


* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

```
WEEK (HRDOW7) *

 SOURCE ID = A0000788     ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
```

```
                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW7) *

 SOURCE ID = A0000789     ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = A0000790 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = TUESDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = A0000791     ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

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 - - -
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = A0000792   ; SOURCE TYPE = AREA   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = TUESDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                  PAGE  40
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW7) *

 SOURCE ID = A0000793     ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
```

14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW7) *

 SOURCE ID = A0000809   ; SOURCE TYPE = AREA   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = A0000810 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                  PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW7) *

 SOURCE ID = A0000811     ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = A0000812   ; SOURCE TYPE = AREA   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = TUESDAY

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
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WEEK (HRDOW7) *

 SOURCE ID = A0000813     ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = MONDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = TUESDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW7) *

 SOURCE ID = A0000814   ; SOURCE TYPE = AREA   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = TUESDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = A0000815 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = TUESDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = WEDNESDY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = THURSDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = FRIDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = A0000816     ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
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*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1   ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

480856.5, 480966.7, 481076.9, 481187.2, 481297.4, 481407.6, 481517.9,
481628.1, 481738.3, 481848.5,
481958.8, 482069.0, 482179.2, 482289.5, 482399.7, 482509.9, 482620.2,
482730.4, 482840.6, 482950.8,
483061.1, 483171.3, 483281.5, 483391.8, 483502.0, 483612.2, 483722.5,
483832.7, 483942.9, 484053.1,
484163.4, 484273.6, 484383.8, 484494.1, 484604.3, 484714.5, 484824.8,
484935.0, 485045.2, 485155.4,
485265.7, 485375.9, 485486.1, 485596.4, 485706.6, 485816.8, 485927.1,
486037.3, 486147.5, 486257.7,
486368.0, 486478.2, 486588.4, 486698.7, 486808.9, 486919.1, 487029.4,
487139.6, 487249.8, 487360.0,
487470.3, 487580.5, 487690.7, 487801.0, 487911.2, 488021.4, 488131.7,
488241.9, 488352.1, 488462.3,
488572.6, 488682.8, 488793.0, 488903.3, 489013.5,

*** Y-COORDINATES OF GRID ***
(METERS)

3730999.8, 3731101.1, 3731202.5, 3731303.9, 3731405.2, 3731506.6, 3731608.0,
3731709.3, 3731810.7, 3731912.1,
3732013.5, 3732114.8, 3732216.2, 3732317.6, 3732418.9, 3732520.3, 3732621.7,
3732723.0, 3732824.4, 3732925.8,
3733027.1, 3733128.5, 3733229.9, 3733331.3, 3733432.6, 3733534.0, 3733635.4,
3733736.7, 3733838.1, 3733939.5,
3734040.9, 3734142.2, 3734243.6, 3734345.0, 3734446.3, 3734547.7, 3734649.1,
3734750.4, 3734851.8, 3734953.2,
3735054.5, 3735155.9, 3735257.3, 3735358.7, 3735460.0, 3735561.4, 3735662.8,
3735764.1, 3735865.5, 3735966.9,
3736068.2, 3736169.6, 3736271.0, 3736372.4, 3736473.7, 3736575.1, 3736676.5,
3736777.8, 3736879.2, 3736980.6,
3737082.0, 3737183.3, 3737284.7, 3737386.1, 3737487.4, 3737588.8, 3737690.2,
3737791.5, 3737892.9, 3737994.3,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	480856.47	480966.70	481076.93	481187.16	481297.39	481407.62	481517.85	481628.08	481738.31	
3738501.13	431.00	431.00	431.00	431.00	431.00	431.00	431.00	431.00	431.00	431.00
3738399.76	431.00	431.00	431.00	431.40	431.10	431.00	431.00	431.00	431.00	
3738298.39	431.00	431.00	431.30	431.90	431.00	431.00	431.00	431.00	431.00	
3738197.02	431.00	432.00	432.00	431.00	431.00	431.00	431.00	431.00	431.00	
3738095.65	432.00	432.00	431.30	431.00	431.00	431.00	431.00	431.00	431.00	
3737994.28	432.00	432.00	431.00	431.00	431.00	431.00	431.00	431.00	431.00	
3737892.91	431.00	431.00	431.00	431.00	431.00	431.00	431.00	431.00	431.00	
3737791.54	431.00	431.00	431.00	431.00	431.00	431.00	431.00	431.00	430.70	
3737690.17	431.00	431.00	431.00	431.00	431.80	431.00	431.00	431.00	430.00	
3737588.80	431.00	431.00	431.00	431.00	431.70	431.00	431.00	430.00	430.00	
3737487.43	431.00	431.00	431.00	431.00	431.00	431.00	430.70	430.00	430.00	
3737386.06	431.00	432.00	432.00	431.00	430.00	430.00	430.00	430.00	430.00	
3737284.69	431.00	431.00	431.60	431.00	430.00	430.00	430.00	430.00	430.00	
3737183.32	431.00	431.00	431.00	430.20	430.00	430.00	430.00	430.00	430.00	
3737081.95	430.00	430.00	430.00	430.00	430.00	430.00	430.00	430.00	430.00	

3736980.58 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3736879.21 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3736777.84 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3736676.47 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3736575.10 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3736473.73 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 431.00
3736372.36 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 431.00
3736270.99 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3736169.62 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3736068.25 | 430.00 430.00 430.00 430.00 430.00
430.00 430.90 430.00 430.00
3735966.88 | 430.00 430.00 430.00 430.00 430.00
430.70 430.00 430.00 430.00
3735865.51 | 430.00 430.00 430.00 430.00 431.00
430.10 430.00 430.00 430.00
3735764.14 | 430.00 430.00 430.00 431.00 431.00
430.00 430.00 430.00 430.00
3735662.77 | 430.00 430.00 430.00 430.60 430.00
430.00 430.00 430.00 430.00
3735561.40 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3735460.03 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.10
3735358.66 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.50 431.00
3735257.29 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.90 431.00
3735155.92 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.60 431.00
3735054.55 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3734953.18 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3734851.81 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3734750.44 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3734649.07 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3734547.70 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)										
	480856.47	480966.70	481076.93	481187.16	481297.39	481407.62	481517.85	481628.08	481738.31		
3734446.33	431.00	431.00	431.00	431.00	431.00	431.00	431.00	431.00	431.90	432.00	
3734344.96	431.00	431.00	431.00	431.00	431.00	431.20	432.00	432.00	432.00		
3734243.59	431.00	431.00	431.00	431.00	431.90	432.00	432.00	432.00	432.00		
3734142.22	430.00	430.00	431.00	431.00	431.90	432.00	432.00	432.00	432.00		
3734040.85	430.00	430.00	430.00	431.00	432.00	432.00	432.00	432.00	432.00		
3733939.48	430.00	430.00	430.00	430.00	431.10	432.00	432.00	432.00	432.00		
3733838.11	431.00	430.30	431.00	431.00	431.80	432.00	433.00	433.00	432.30		
3733736.74	430.00	430.00	430.40	431.00	431.00	431.00	432.00	432.00	432.40		
3733635.37	430.00	430.00	430.60	431.00	431.10	431.40	432.00	433.00	432.00		
3733534.00	431.00	430.40	431.00	431.00	432.00	432.00	432.00	432.40	433.00		
3733432.63	431.80	431.00	431.00	431.80	432.00	432.00	433.00	433.00	433.00		
3733331.26	432.10	432.00	432.00	432.00	432.00	432.00	433.00	433.00	433.00		
3733229.89	433.40	433.00	432.20	432.00	432.00	432.60	433.00	433.00	433.00		
3733128.52	434.00	433.90	433.00	432.00	432.00	432.50	433.00	433.00	433.00		
3733027.15	435.00	434.00	433.60	433.00	433.00	433.00	433.00	433.00	433.00		
3732925.78	435.90	435.00	434.00	433.90	433.00						

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  433.00       433.00       433.00       433.00
  3732824.41 |       436.80       436.00       435.00       434.00       434.00
  433.40       433.00       433.00       433.00
  3732723.04 |       437.00       436.00       435.70       435.00       434.00
  434.00       433.90       433.00       434.00
  3732621.67 |       438.00       437.00       436.00       435.60       435.00
  434.90       434.00       433.00       434.00
  3732520.30 |       439.00       438.00       437.00       436.00       435.00
  435.00       434.00       433.00       434.00
  3732418.93 |       439.90       438.10       437.00       436.00       436.00
  435.00       434.00       434.00       434.00
  3732317.56 |       440.00       439.00       437.40       436.00       436.00
  435.00       434.00       434.00       434.00
  3732216.19 |       440.80       439.00       437.60       436.00       436.00
  435.00       434.50       434.00       434.00
  3732114.82 |       440.80       439.10       438.00       436.00       436.00
  435.00       434.00       434.00       434.00
  3732013.45 |       440.80       439.10       437.40       436.00       435.10
  435.00       434.00       434.00       434.00
  3731912.08 |       440.00       439.00       437.40       436.00       435.10
  435.00       434.00       434.00       434.00
  3731810.71 |       440.00       439.00       437.00       436.00       435.00
  435.00       434.00       434.00       434.00
  3731709.34 |       439.00       438.10       437.00       436.00       435.00
  435.00       434.00       434.00       434.00
  3731607.97 |       438.90       438.00       436.40       435.30       435.00
  435.00       434.00       434.00       433.20
  3731506.60 |       438.00       437.00       436.00       435.00       435.00
  434.00       434.70       434.00       434.00
  3731405.23 |       438.00       437.00       436.00       435.00       434.10
  434.00       434.00       433.10       433.00
  3731303.86 |       438.00       437.80       436.00       435.00       434.00
  433.60       433.10       433.00       433.00
  3731202.49 |       438.20       438.10       436.00       435.00       434.00
  433.00       433.00       433.00       433.00
  3731101.12 |       438.00       437.10       435.40       434.80       433.50
  433.00       433.00       432.50       433.00
  3730999.75 |       437.80       436.20       435.40       434.10       433.10
  433.00       432.10       432.00       433.00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***       09:40:14

                                  PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART
***
```

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	481848.54	481958.77	482069.00	482179.23	482289.46	482399.69	482509.92	482620.15	482730.38	
3738501.13	431.00	431.00	431.00	431.00	431.00	431.00	430.00	430.00	430.00	
3738399.76	431.00	431.00	431.00	431.00	431.00	430.00	430.00	430.00	430.00	
3738298.39	431.00	431.00	431.00	431.00	430.00	430.00	430.00	430.00	430.00	
3738197.02	431.00	431.00	431.00	430.70	430.00	430.00	430.00	430.00	430.00	
3738095.65	431.00	431.00	430.80	430.00	430.00	430.00	430.00	430.00	430.00	
3737994.28	431.00	431.00	430.00	430.00	430.00	430.00	430.00	430.00	430.00	
3737892.91	431.00	430.00	430.00	430.00	430.00	430.00	430.00	430.00	430.00	
3737791.54	430.00	430.00	430.00	430.00	430.00	430.00	430.00	430.00	430.00	
3737690.17	430.00	430.00	430.00	430.00	430.00	430.00	430.00	430.00	430.00	
3737588.80	430.00	430.00	430.00	430.00	430.00	430.00	430.00	430.00	430.00	
3737487.43	430.00	430.00	430.00	430.00	430.00	430.00	430.00	430.00	430.00	
3737386.06	430.00	430.00	430.00	430.00	430.00	430.00	430.00	430.00	430.70	
3737284.69	430.00	430.00	430.00	430.00	430.00	430.00	430.00	430.00	431.00	
3737183.32	430.00	430.00	430.00	430.00	430.00	430.00	430.00	430.00	431.00	
3737081.95	430.00	430.00	430.00	430.00	430.00	430.00	430.10	430.10	430.70	
3736980.58	430.00	430.00	430.00	430.00	430.00	431.00	431.00	431.00	431.00	
3736879.21	430.00	430.00	430.00	430.00	430.90	431.00	431.00	431.00	431.00	
3736777.84	430.00	430.00	430.00	431.00	431.00	431.00	431.00	431.00	431.00	
3736676.47	430.00	430.00	430.00	431.00	431.00	431.00	431.00	431.00	431.00	
3736575.10	431.00	430.10	430.00	430.00	430.00	431.00	431.00	431.00	431.00	
3736473.73	431.00	431.00	431.00	430.00	430.00	431.00	431.00	431.00	431.00	

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  3736372.36 |        431.00       431.00       431.00       430.50       430.00
  431.00       431.00       432.00       432.00
  3736270.99 |        430.00       430.00       431.00       431.00       430.00
  430.00       431.00       432.00       432.00
  3736169.62 |        430.00       430.00       430.00       431.00       431.00
  431.00       431.00       432.00       432.00
  3736068.25 |        430.00       430.00       430.00       431.00       431.00
  431.00       431.30       432.00       432.00
  3735966.88 |        430.00       430.00       430.00       430.30       431.00
  431.70       432.00       432.00       432.00
  3735865.51 |        430.00       430.00       430.00       431.00       431.00
  431.70       432.00       432.00       432.00
  3735764.14 |        430.00       431.00       431.00       431.00       431.00
  431.70       432.00       432.00       432.00
  3735662.77 |        431.00       431.00       431.00       431.00       431.00
  431.00       432.00       432.00       432.00
  3735561.40 |        431.00       431.00       431.00       431.00       431.00
  431.00       432.00       432.00       432.00
  3735460.03 |        431.00       431.00       431.00       431.00       431.00
  431.00       432.00       432.00       432.00
  3735358.66 |        431.00       431.00       431.00       431.00       431.00
  432.00       432.00       432.00       432.00
  3735257.29 |        431.00       431.00       431.00       431.00       432.00
  433.00       433.00       432.00       433.00
  3735155.92 |        431.00       431.00       431.00       431.00       432.00
  433.00       433.00       433.00       433.00
  3735054.55 |        430.50       431.00       431.00       431.20       432.00
  433.00       433.00       433.00       433.00
  3734953.18 |        430.00       431.00       431.00       432.00       432.00
  433.00       433.00       433.00       433.00
  3734851.81 |        430.00       431.00       431.00       432.00       432.00
  432.50       433.80       433.00       433.00
  3734750.44 |        430.00       431.00       431.00       432.00       432.00
  432.00       437.30       433.00       433.00
  3734649.07 |        431.00       431.00       431.00       431.00       431.80
  432.00       433.00       433.00       433.00
  3734547.70 |        431.00       431.00       431.00       431.00       431.00
  433.00       433.00       433.00       433.00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

                                  PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART
***

                                                * ELEVATION HEIGHTS IN METERS *
```

| Y-COORD (METERS) | X-COORD (METERS) | | |

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	482840.61	482950.84	483061.07	483171.30	483281.53	483391.76	483501.99	483612.22	483722.45	
3738501.13	430.00	430.00	430.00	430.00	431.00	431.00	431.00	431.00	431.00	
3738399.76	430.00	430.00	430.00	430.00	431.00	431.00	431.00	431.00	432.00	

3738298.39 | 430.00 430.00 430.00 430.40 431.00
431.00 431.00 432.00 432.00
3738197.02 | 430.00 430.00 430.00 431.00 431.00
431.00 431.40 432.00 432.00
3738095.65 | 430.00 430.00 430.00 431.00 431.00
431.00 432.00 432.00 431.00
3737994.28 | 430.00 430.00 430.90 431.00 431.00
432.00 432.00 431.00 431.00
3737892.91 | 430.00 430.00 431.00 431.00 432.00
432.00 431.90 432.00 432.00
3737791.54 | 430.00 431.00 431.00 431.00 431.50
431.00 431.00 432.00 432.00
3737690.17 | 430.00 431.00 431.00 431.00 431.00
431.00 431.00 432.00 432.00
3737588.80 | 430.00 431.00 431.00 431.00 431.00
431.00 431.40 432.00 432.00
3737487.43 | 431.00 431.00 431.00 431.00 431.00
431.00 432.00 432.00 432.00
3737386.06 | 431.00 431.00 431.00 431.00 431.00
432.00 432.00 432.00 432.00
3737284.69 | 431.00 431.00 431.00 431.00 431.00
432.00 432.00 432.00 432.70
3737183.32 | 431.00 431.00 431.00 431.00 432.00
432.00 432.00 432.10 433.00
3737081.95 | 431.00 431.00 431.00 431.00 432.00
432.00 432.50 433.00 433.00
3736980.58 | 431.00 431.00 431.00 432.00 432.00
432.70 433.00 433.00 434.00
3736879.21 | 431.00 431.00 431.60 432.00 432.00
433.00 433.00 434.00 434.00
3736777.84 | 431.00 431.00 432.00 432.00 433.00
433.00 433.60 434.00 434.80
3736676.47 | 431.00 432.00 432.00 432.00 433.00
433.00 434.00 434.00 435.00
3736575.10 | 431.00 432.00 432.00 432.40 433.00
433.70 434.00 435.00 435.70
3736473.73 | 432.00 432.00 432.00 433.00 433.00
434.00 434.00 435.00 436.00
3736372.36 | 432.00 432.00 432.00 433.00 433.00
434.00 434.00 435.00 436.00
3736270.99 | 432.00 432.00 432.00 433.00 433.00
434.00 434.00 435.00 436.00
3736169.62 | 432.00 432.00 432.00 433.00 433.00
434.00 434.00 435.00 436.00
3736068.25 | 432.00 432.00 432.00 433.00 433.00
434.00 434.40 435.00 436.00
3735966.88 | 432.00 432.00 433.00 433.00 433.00
434.00 435.00 435.10 436.00
3735865.51 | 432.00 432.00 433.00 433.00 433.70
434.00 435.00 436.00 436.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	482840.61	482950.84	483061.07	483171.30	483281.53	483391.76	483501.99	483612.22	483722.45	
3735764.14	432.00	433.00	433.00	433.00	434.00	434.70	435.00	436.00	436.80	
3735662.77	432.00	433.00	433.00	433.00	434.00	435.00	436.00	436.00	437.30	
3735561.40	432.30	433.00	433.00	433.00	434.00	435.00	436.00	437.00	438.00	
3735460.03	433.00	433.00	433.00	433.10	434.00	435.00	436.00	437.10	438.60	
3735358.66	433.00	433.00	433.00	434.00	434.00	435.00	436.00	437.10	438.00	
3735257.29	433.00	433.00	433.00	434.00	435.00	435.00	436.00	437.10	438.70	
3735155.92	433.00	433.00	433.80	434.00	435.00	435.70	436.00	437.10	438.50	
3735054.55	433.00	433.00	434.00	434.30	435.00	436.00	436.80	438.00	438.00	
3734953.18	433.00	433.10	434.00	435.00	436.00	436.00	437.00	438.00	438.80	
3734851.81	433.00	434.00	434.00	435.00	436.00	436.90	437.40	438.00	439.00	
3734750.44	433.00	434.00	434.60	435.10	436.00	437.00	438.00	438.90	439.60	
3734649.07	434.00	434.00	434.70	435.40	436.00	437.00	438.00	439.00	439.80	
3734547.70	434.00	434.00	434.70	435.40	436.00	437.00	438.00	439.00	440.00	
3734446.33	434.40	435.00	435.00	436.00	436.00	437.00	438.00	439.00	439.70	
3734344.96	434.00	435.00	435.40	436.00	436.00	437.00	438.00	439.00	439.70	
3734243.59	435.00	435.00	435.00	436.00	436.00					

437.00 438.00 439.00 439.70
3734142.22 | 435.00 435.00 435.00 436.00 436.00
437.00 438.00 439.00 439.70
3734040.85 | 434.70 435.00 435.00 436.00 436.00
437.00 438.00 439.00 439.00
3733939.48 | 435.00 435.00 435.00 436.00 436.00
437.00 438.00 438.20 439.00
3733838.11 | 435.00 435.00 435.00 436.00 436.00
437.00 437.30 438.00 438.00
3733736.74 | 435.00 435.00 435.00 436.00 436.00
436.70 437.00 438.00 438.00
3733635.37 | 435.00 435.00 435.00 436.00 436.00
436.00 437.00 437.10 438.00
3733534.00 | 435.00 435.00 435.00 435.00 436.00
436.00 437.00 437.00 438.00
3733432.63 | 435.00 435.00 435.00 435.00 436.00
436.00 437.00 437.00 438.00
3733331.26 | 435.00 435.00 435.00 435.00 436.00
436.00 437.00 437.00 438.00
3733229.89 | 435.00 435.00 435.00 435.00 436.00
436.00 437.00 437.00 437.70
3733128.52 | 435.00 435.00 435.00 435.90 436.00
436.00 437.00 437.00 437.70
3733027.15 | 435.00 435.00 435.00 436.00 436.00
436.00 437.00 437.00 437.70
3732925.78 | 435.00 435.00 435.00 436.00 436.00
436.00 437.00 437.00 437.70
3732824.41 | 435.00 435.00 436.00 436.00 436.00
436.70 437.00 437.00 438.00
3732723.04 | 435.00 436.00 436.00 436.00 436.00
437.00 437.00 438.00 438.00
3732621.67 | 435.00 436.00 436.00 436.00 437.00
437.00 437.30 438.00 438.00
3732520.30 | 435.00 436.00 436.00 436.00 437.00
437.00 438.00 438.00 439.00
3732418.93 | 435.00 436.00 436.00 436.00 437.00
437.40 438.00 439.00 439.60
3732317.56 | 435.00 436.00 436.00 436.00 437.00
438.00 438.00 439.10 442.70
3732216.19 | 435.00 436.00 436.00 436.60 437.00
438.00 439.00 441.10 445.20
3732114.82 | 435.00 436.00 436.00 437.00 438.00
438.90 441.10 443.80 447.70
3732013.45 | 436.00 436.00 436.70 437.40 438.00
439.00 442.40 446.00 448.70
3731912.08 | 436.00 436.00 437.00 438.00 439.00
440.30 443.20 445.10 447.90
3731810.71 | 436.00 436.00 437.00 438.00 439.00
440.70 442.50 445.00 446.80
3731709.34 | 436.00 437.00 437.20 438.00 439.00

440.70 442.40 445.00 446.80
3731607.97 | 436.00 437.00 438.00 438.70 439.60
441.00 443.00 446.00 447.70
3731506.60 | 436.00 437.00 438.00 439.00 440.00
441.00 443.00 445.10 447.70
3731405.23 | 436.40 437.00 438.00 439.00 441.00
442.00 444.10 446.00 448.00
3731303.86 | 437.00 438.00 438.90 439.80 441.70
442.90 445.00 446.80 448.00
3731202.49 | 437.00 438.00 439.00 441.00 443.00
444.00 446.00 447.00 448.70
3731101.12 | 437.20 438.00 439.30 441.00 443.00
444.40 446.00 447.00 448.00
3730999.75 | 438.00 439.00 440.00 441.90 443.00
444.00 445.00 447.90 448.00
*** AERMOD - VERSION 23132 *** *** C:\Lakes\AERMOD View\25-006 Mapes and Palomar\25-006 Mapes and Palom *** 11/20/25
*** AERMET - VERSION 16216 *** ***
*** 09:40:14

PAGE 56
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS) | X-COORD (METERS)
483832.68 483942.91 484053.14 484163.37 484273.60 484383.83 484494.06 484604.29 484714.52
- - - -

3737690.17 | 432.00 432.10 433.00 433.00 434.00
435.00 436.00 437.10 439.00
3737588.80 | 432.00 433.00 433.20 434.00 435.00
436.00 437.00 438.10 439.90
3737487.43 | 432.40 433.00 434.00 435.00 436.00
436.50 437.80 439.10 440.80
3737386.06 | 433.00 433.10 434.00 435.40 436.00
437.00 438.00 440.00 441.00
3737284.69 | 433.00 434.00 435.00 436.00 437.00
437.90 438.50 440.00 441.30
3737183.32 | 433.30 434.10 435.00 436.00 437.10
438.00 439.00 440.00 441.60
3737081.95 | 434.00 435.00 436.00 437.00 438.00
439.00 439.00 440.10 441.80
3736980.58 | 434.20 435.10 436.00 438.00 439.00
440.00 440.00 441.00 442.00
3736879.21 | 435.00 436.00 436.80 438.40 440.00
441.00 441.90 442.00 443.70
3736777.84 | 435.00 436.00 437.80 438.60 440.40
442.00 443.10 444.40 445.00
3736676.47 | 436.00 436.10 438.50 440.00 441.70
442.90 444.50 446.00 446.00
3736575.10 | 436.00 437.10 439.00 440.00 442.00
442.80 444.00 445.00 446.80
3736473.73 | 436.40 437.10 438.80 440.00 441.60
442.50 444.50 446.00 447.00
3736372.36 | 436.40 437.10 438.80 439.60 441.00
441.80 443.10 444.30 447.80
3736270.99 | 436.40 437.10 438.00 439.00 440.00
441.00 442.40 444.10 448.70
3736169.62 | 436.40 437.10 438.00 438.70 440.00
441.00 442.00 444.10 449.60
3736068.25 | 436.40 438.00 438.70 439.00 440.00
441.00 442.00 444.30 450.60
3735966.88 | 437.00 438.00 439.00 440.00 441.00
442.00 442.60 445.20 451.60
3735865.51 | 437.40 438.70 439.90 440.80 442.00
442.70 444.00 446.10 451.80
3735764.14 | 438.00 439.00 440.00 441.40 442.10
443.00 444.50 447.10 450.80
3735662.77 | 438.20 439.10 440.80 442.00 443.00
444.00 445.00 447.10 449.40
3735561.40 | 439.00 440.10 441.60 442.40 443.80
444.00 445.50 448.10 449.60
3735460.03 | 439.30 441.10 442.00 443.40 444.30
445.00 446.50 448.10 450.80
3735358.66 | 439.40 441.10 442.00 444.00 445.10
446.00 447.30 448.60 450.00
3735257.29 | 440.00 441.00 442.00 444.00 446.00
446.80 447.50 449.00 450.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	483832.68	483942.91	484053.14	484163.37	484273.60	484383.83	484494.06	484604.29	484714.52
3734446.33	440.40	441.00	442.00	443.00	444.00	445.00	446.50	448.00	448.80
3734344.96	440.30	441.00	442.00	443.00	444.00	445.00	446.00	447.00	448.00
3734243.59	440.00	441.00	441.80	442.40	444.00	445.00	446.00	447.00	448.00
3734142.22	440.00	441.00	441.70	442.00	443.10	444.00	445.00	446.00	447.00
3734040.85	440.00	440.10	441.00	442.00	443.00	444.00	445.00	446.00	446.80
3733939.48	439.00	440.00	441.00	442.00	443.00	443.10	444.00	445.00	446.00
3733838.11	439.00	439.10	440.60	441.30	442.00	442.90	443.50	444.10	445.00
3733736.74	438.40	439.00	440.00	441.00	441.40	442.00	443.00	444.00	444.30
3733635.37	438.40	439.00	440.00	440.40	441.00	442.00	443.00	444.00	445.00
3735155.92	440.00	441.10	442.80	444.00	446.00	446.80	448.00	449.00	450.00
3735054.55	439.40	441.10	442.80	444.00	445.10	446.80	448.00	449.10	450.60
3734953.18	440.00	441.00	442.00	444.00	445.10	446.80	448.00	449.10	450.80
3734851.81	440.00	441.00	442.00	443.70	445.10	446.00	447.70	449.00	450.00
3734750.44	440.00	441.00	442.00	443.40	445.00	446.00	447.50	449.00	450.00
3734649.07	440.00	441.00	442.00	443.40	445.00	446.00	447.00	448.10	450.00
3734547.70	440.00	441.00	442.00	443.00	444.10	445.90	447.00	448.00	449.30

442.00 442.00 443.00 444.00
3733534.00 | 438.00 439.10 439.60 440.00 441.00
441.00 442.00 442.10 443.00
3733432.63 | 438.00 439.00 439.00 440.00 440.00
441.00 441.00 442.00 443.00
3733331.26 | 438.00 439.00 439.00 440.00 440.00
441.00 441.00 442.00 442.80
3733229.89 | 438.00 439.00 439.00 439.40 440.00
440.40 441.00 442.00 442.80
3733128.52 | 438.00 438.10 439.00 439.00 440.00
440.00 441.00 441.20 442.00
3733027.15 | 438.00 438.00 439.00 439.00 439.00
439.90 440.00 441.00 441.90
3732925.78 | 438.00 438.00 438.00 438.70 439.00
439.00 440.00 440.30 441.00
3732824.41 | 438.00 438.00 438.00 438.40 438.20
439.00 439.00 440.00 440.00
3732723.04 | 438.00 438.00 438.00 438.40 439.00
438.00 439.00 439.00 440.00
3732621.67 | 438.00 438.70 438.00 438.00 438.00
438.00 439.00 439.00 439.80
3732520.30 | 439.00 439.00 439.20 439.70 438.20
438.20 439.00 439.00 439.80
3732418.93 | 440.60 441.70 443.30 449.10 445.70
440.10 439.00 439.00 440.00
3732317.56 | 444.30 446.00 451.10 474.50 445.00
441.00 439.90 439.90 440.00
3732216.19 | 448.70 454.20 468.90 456.30 444.90
441.50 441.00 440.30 440.00
3732114.82 | 452.80 473.00 498.10 466.10 449.00
442.80 442.00 441.00 440.70
3732013.45 | 450.30 462.60 494.30 455.60 444.90
444.00 443.60 442.90 441.30
3731912.08 | 449.00 454.20 459.00 450.90 449.40
447.10 446.50 446.30 443.60
3731810.71 | 448.40 450.10 454.30 462.90 465.20
454.70 451.30 448.70 446.70
3731709.34 | 448.10 451.00 455.80 473.90 496.50
471.50 458.60 454.30 450.50
3731607.97 | 449.40 452.10 456.10 480.90 514.90
476.60 467.40 478.40 463.90
3731506.60 | 450.00 452.10 455.80 463.90 480.10
477.30 487.20 509.60 491.00
3731405.23 | 450.60 453.10 456.80 460.90 466.30
470.30 474.50 501.20 530.40
3731303.86 | 451.00 453.10 455.80 458.80 463.30
464.50 467.70 475.30 502.50
3731202.49 | 450.90 453.10 457.00 458.50 463.10
463.10 464.90 468.90 476.40
3731101.12 | 450.00 452.60 455.80 459.80 463.60

Y-COORD (METERS)	X-COORD (METERS)					
	484824.75	484934.98	485045.21	485155.44	485265.67	485375.90
485486.13	485596.36	485706.59				
3738501.13	436.50	439.10	441.00	443.00	445.20	447.90
450.40	453.20	457.80				
3738399.76	436.60	439.20	441.00	443.00	445.20	448.00
451.50	454.60	458.10				
3738298.39	437.50	439.20	441.00	443.50	446.00	448.50
451.50	455.70	459.90				
3738197.02	438.00	439.20	441.00	443.50	445.20	448.90
450.60	458.20	462.90				
3738095.65	438.00	439.50	441.80	443.50	446.10	448.90
452.20	458.10	463.90				
3737994.28	438.00	440.00	442.00	444.40	447.20	449.90
453.50	458.20	463.20				
3737892.91	438.50	440.20	442.80	445.10	448.00	450.90
454.60	456.30	461.90				
3737791.54	439.20	441.20	443.40	445.50	449.20	452.30
457.50	458.40	465.30				
3737690.17	440.40	442.10	444.00	446.50	449.20	453.70
458.10	463.10	467.70				
3737588.80	441.60	443.20	444.90	447.50	450.20	453.90
457.50	464.00	468.90				
3737487.43	442.30	444.10	445.90	448.50	451.20	453.90
457.90	464.00	470.80				
3737386.06	442.50	445.00	446.80	449.00	451.20	454.00
457.50	465.40	471.80				
3737284.69	443.00	444.20	446.00	448.30	451.20	454.90
458.20	464.00	471.30				
3737183.32	442.90	444.00	445.00	447.50	451.20	455.70
459.90	464.40	469.40				

3737081.95 | 443.10 445.00 446.10 448.50 452.20
455.90 462.10 469.80 476.30
3736980.58 | 443.80 445.20 447.00 449.50 452.70
457.30 464.50 479.50 521.90
3736879.21 | 444.40 446.10 448.00 450.50 455.10
459.50 464.10 479.00 513.90
3736777.84 | 446.00 448.00 450.10 455.30 459.00
462.50 466.10 473.20 481.70
3736676.47 | 447.30 449.30 452.50 457.30 459.10
462.80 465.40 470.40 473.90
3736575.10 | 448.00 450.00 451.00 456.00 457.00
457.00 464.50 468.20 472.20
3736473.73 | 449.20 451.90 455.20 459.50 459.50
464.80 463.60 468.30 473.90
3736372.36 | 452.30 456.10 462.10 464.10 466.50
470.90 464.60 468.60 475.70
3736270.99 | 455.30 464.80 480.20 480.70 475.30
473.00 469.60 469.20 471.80
3736169.62 | 459.70 479.10 509.00 497.60 482.50
476.00 472.20 470.70 473.80
3736068.25 | 460.50 505.90 538.30 500.90 486.50
481.70 474.00 474.90 475.10
3735966.88 | 459.40 493.10 506.30 484.60 479.30
475.60 471.90 475.20 475.10
3735865.51 | 458.90 469.50 478.30 479.60 474.10
470.50 470.90 472.80 472.80
3735764.14 | 457.40 465.40 493.30 477.80 469.90
468.00 470.00 469.00 469.90
3735662.77 | 453.30 458.50 476.80 470.40 464.40
470.50 469.30 468.20 469.60
3735561.40 | 451.50 456.60 462.10 463.60 463.80
465.50 463.80 467.00 468.20
3735460.03 | 452.90 455.20 457.70 457.40 461.00
462.00 464.00 466.00 468.00
3735358.66 | 452.20 454.10 455.30 457.30 460.10
462.90 464.00 465.50 466.90
3735257.29 | 451.50 453.00 454.00 457.50 459.20
462.00 464.00 464.00 463.20
3735155.92 | 451.00 453.00 454.60 456.20 458.00
459.50 462.70 463.50 463.00
3735054.55 | 451.90 453.00 454.00 454.50 457.00
457.00 459.50 461.40 462.00
3734953.18 | 452.00 453.20 454.80 456.00 457.20
458.00 459.50 460.20 461.00
3734851.81 | 452.00 453.20 454.40 455.80 457.00
458.00 459.00 459.60 460.00
3734750.44 | 451.50 453.00 454.00 455.00 456.00
457.10 458.00 458.30 459.00
3734649.07 | 451.00 452.00 453.00 454.00 455.10
456.00 456.90 458.00 458.00

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  445.00       445.50       446.00       447.00
  3732925.78 |        441.70       442.00       442.90       443.00       444.00
  444.00       445.00       446.00       446.90
  3732824.41 |        441.00       442.00       442.00       442.00       443.00
  444.00       444.50       445.20       446.00
  3732723.04 |        440.80       441.00       441.00       442.00       442.10
  443.00       444.00       445.00       446.00
  3732621.67 |        440.00       441.00       441.00       441.00       442.00
  443.00       444.00       445.00       445.90
  3732520.30 |        440.00       441.00       441.00       441.50       442.00
  442.90       444.00       445.00       445.90
  3732418.93 |        440.00       441.00       441.00       441.80       442.00
  443.00       444.00       445.00       445.90
  3732317.56 |        440.00       441.00       441.00       442.00       442.20
  443.80       445.00       445.20       446.00
  3732216.19 |        440.50       441.00       441.30       442.00       443.00
  444.00       445.00       446.00       446.00
  3732114.82 |        441.00       441.00       442.00       442.00       443.00
  444.00       445.00       446.00       446.00
  3732013.45 |        441.00       441.00       442.00       442.50       443.00
  444.00       445.00       445.90       446.00
  3731912.08 |        442.50       442.50       442.10       443.00       443.00
  444.00       444.50       445.00       446.00
  3731810.71 |        445.80       444.80       444.80       443.80       444.00
  444.00       444.00       445.80       446.00
  3731709.34 |        449.20       449.10       447.40       444.60       444.00
  444.20       445.00       445.00       446.00
  3731607.97 |        457.90       456.80       450.80       447.10       445.00
  445.00       445.00       445.00       445.90
  3731506.60 |        473.90       460.30       455.10       450.50       448.80
  447.00       445.50       445.00       445.00
  3731405.23 |        498.20       467.80       457.40       454.70       452.70
  451.20       448.20       446.00       445.40
  3731303.86 |        524.00       475.10       463.30       463.20       457.30
  453.10       449.50       447.00       446.80
  3731202.49 |        503.90       488.00       474.70       464.20       462.20
  455.20       451.50       447.80       447.00
  3731101.12 |        478.50       487.90       483.80       468.00       464.60
  457.80       451.50       447.90       447.00
  3730999.75 |        475.40       486.10       480.70       482.50       471.40
  458.90       454.70       449.70       447.00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

                                 PAGE  60
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART
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* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	485816.82	485927.05	486037.28	486147.51	486257.74	486367.97	486478.20	486588.43	486698.66
3738501.13	462.10	464.00	467.80	474.00	481.70	488.60	502.40	508.60	518.50
3738399.76	461.60	465.40	468.50	472.80	479.50	489.50	497.20	509.10	525.70
3738298.39	463.00	466.90	471.40	474.60	478.80	487.80	497.90	511.40	533.30
3738197.02	465.50	469.20	473.80	477.50	481.90	487.80	508.00	508.00	529.30
3738095.65	466.60	469.60	473.90	479.20	484.50	490.90	499.80	513.20	532.40
3737994.28	465.10	470.20	474.00	479.20	484.50	492.80	498.20	516.90	541.80
3737892.91	467.30	474.90	478.20	482.60	486.60	492.00	509.00	531.00	541.20
3737791.54	474.20	485.00	484.10	487.80	490.20	494.80	511.30	524.80	541.80
3737690.17	475.80	481.70	492.40	497.20	495.70	499.60	509.10	525.80	549.10
3737588.80	475.70	490.00	514.20	518.60	511.90	504.00	516.40	524.10	544.70
3737487.43	478.80	497.00	513.30	525.50	519.50	516.40	515.50	528.90	556.30
3737386.06	481.00	494.50	501.70	524.90	519.50	511.90	519.60	525.90	537.90
3737284.69	493.60	506.00	507.60	518.80	515.60	511.60	518.70	528.30	539.10
3737183.32	478.90	495.00	518.60	512.20	512.10	508.20	514.90	523.70	528.40
3737081.95	476.40	486.20	501.30	510.70	508.40	506.10	512.50	517.50	522.80
3736980.58	491.20	483.50	497.00	501.70	503.60	505.90	512.00	517.40	519.40
3736879.21	488.70	493.50	497.70	497.60	499.40	504.00	512.00	516.90	515.20
3736777.84	480.60	487.10	497.50	497.90	497.80	499.90	505.00	507.80	512.50
3736676.47	478.00	489.50	492.40	493.30	495.30	498.90	502.30	505.30	508.70
3736575.10	476.70	488.80	494.10	491.90	494.00	499.90	499.00	504.20	506.90

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 3736473.73 |        476.90       489.80       488.00       488.30       493.50
 496.50       498.60       502.20       505.90
 3736372.36 |        476.00       485.10       486.70       488.70       491.50
 493.90       498.60       500.50       504.90
 3736270.99 |        479.00       481.70       487.80       487.80       489.90
 492.00       495.40       499.30       501.70
 3736169.62 |        478.10       482.50       482.40       484.50       487.60
 490.00       493.10       495.90       499.40
 3736068.25 |        476.60       479.00       480.10       481.60       485.30
 487.10       491.90       497.70       496.00
 3735966.88 |        474.90       478.70       477.80       481.70       482.90
 485.60       488.00       493.30       493.30
 3735865.51 |        474.20       475.10       477.90       481.30       481.70
 482.90       486.90       489.60       493.30
 3735764.14 |        473.00       476.00       476.00       478.50       480.00
 482.10       485.60       488.00       492.80
 3735662.77 |        469.00       473.80       474.90       477.30       480.10
 482.00       485.60       487.10       488.90
 3735561.40 |        470.40       472.20       474.20       476.60       479.30
 481.80       487.40       492.50       487.30
 3735460.03 |        469.90       471.20       472.70       475.10       478.40
 487.10       487.10       491.60       485.90
 3735358.66 |        468.70       470.00       469.40       473.30       475.60
 478.80       480.40       481.40       482.00
 3735257.29 |        466.20       468.00       468.00       468.60       470.30
 476.00       476.70       478.30       481.00
 3735155.92 |        464.40       465.70       466.00       467.40       468.30
 471.50       474.30       475.90       478.60
 3735054.55 |        463.20       463.30       464.00       465.70       468.30
 470.20       472.70       476.00       477.00
 3734953.18 |        461.90       462.00       462.90       464.60       467.30
 469.00       471.60       473.90       475.00
 3734851.81 |        460.30       461.10       462.90       464.60       467.00
 468.90       470.80       472.10       473.50
 3734750.44 |        460.00       461.20       463.00       464.60       466.00
 468.00       469.70       471.00       472.00
 3734649.07 |        459.40       460.80       462.90       464.00       465.20
 466.70       467.90       469.20       470.70
 3734547.70 |        458.60       460.00       461.90       463.20       464.10
 465.40       466.20       468.00       469.00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART
***
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* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	485816.82	485927.05	486037.28	486147.51	486257.74	486367.97	486478.20	486588.43	486698.66	
3734446.33	458.00	459.00	460.00	461.60	463.00	463.90	465.00	466.00	467.00	
3734344.96	457.00	458.10	459.60	460.40	461.20	462.60	463.90	464.70	466.00	
3734243.59	456.10	457.30	458.20	459.10	460.10	461.00	462.20	463.50	465.00	
3734142.22	455.50	456.00	457.00	457.40	458.90	459.80	461.00	462.20	463.80	
3734040.85	454.30	455.00	456.00	456.30	457.00	458.00	459.80	461.10	462.00	
3733939.48	453.10	454.00	454.90	455.10	456.00	457.90	458.10	460.00	461.00	
3733838.11	452.00	453.00	454.00	454.60	456.00	456.00	457.40	458.80	459.70	
3733736.74	451.00	452.10	453.00	454.00	455.00	456.00	456.70	457.50	458.30	
3733635.37	451.00	452.00	452.90	454.00	454.20	455.00	456.00	457.00	457.00	
3733534.00	450.30	451.10	452.00	453.00	454.00	454.90	455.00	456.00	457.00	
3733432.63	450.00	451.00	451.90	452.00	453.10	454.00	454.00	455.30	456.90	
3733331.26	449.00	450.00	451.00	451.00	452.90	454.00	454.60	455.20	456.00	
3733229.89	448.50	449.10	450.00	451.00	452.30	453.40	454.00	455.00	456.00	
3733128.52	448.00	449.00	450.00	451.00	452.00	453.00	454.00	455.00	456.00	
3733027.15	448.00	449.00	450.00	451.00	452.00	453.00	454.00	455.00	456.00	
3732925.78	448.00	449.00	449.90	451.00	452.00	453.00	454.00	455.00	456.00	
3732824.41	447.60	448.20	449.90	450.60	452.00	452.90	454.00	455.00	455.90	
3732723.04	447.00	448.20	449.00	450.60	451.30	452.50	453.60	454.30	455.00	
3732621.67	447.00	448.00	449.00	450.00	451.30	452.00	453.00	454.10	455.00	
3732520.30	447.00	448.00	448.90	450.00	451.30	452.00	453.00	454.00	455.00	
3732418.93	447.00	448.00	448.90	450.00	451.30					

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  452.00       453.00       454.00       455.00
  3732317.56 |       447.00       448.00       449.00       450.00       451.00
  452.00       453.00       453.30       454.00
  3732216.19 |       447.00       448.00       449.00       450.00       451.00
  452.00       452.00       453.00       454.00
  3732114.82 |       447.00       448.00       449.00       450.00       451.00
  451.00       451.20       452.50       454.00
  3732013.45 |       447.00       448.00       449.00       449.60       450.00
  451.00       451.10       452.30       453.90
  3731912.08 |       447.00       448.00       448.90       449.00       450.00
  450.90       451.60       452.30       453.90
  3731810.71 |       447.00       448.00       448.10       449.00       450.00
  450.10       451.00       452.30       454.00
  3731709.34 |       447.00       447.20       448.00       449.00       450.00
  450.00       451.00       452.00       453.70
  3731607.97 |       446.60       447.20       448.00       449.00       449.10
  450.00       451.00       452.00       452.00
  3731506.60 |       446.00       447.00       448.00       448.00       449.00
  449.90       451.00       451.00       452.00
  3731405.23 |       446.00       447.00       447.60       448.00       448.20
  449.00       450.00       451.00       451.00
  3731303.86 |       446.40       446.80       447.00       447.60       448.00
  449.00       449.70       450.00       450.30
  3731202.49 |       447.00       447.00       447.00       447.00       448.00
  449.00       449.00       449.00       449.90
  3731101.12 |       447.00       447.00       447.00       447.30       448.00
  448.00       449.00       449.00       449.00
  3730999.75 |       447.00       447.00       446.00       446.60       447.30
  448.00       448.00       448.10       449.00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART
***

                                          * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                          X-COORD (METERS)
    (METERS) |     486808.89    486919.12    487029.35    487139.58    487249.81
487360.04    487470.27    487580.50    487690.73
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3738501.13 |       535.20       567.00       598.50       624.90       628.10
  633.50       638.50       652.90       661.90
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3738399.76 | 547.70 562.20 596.20 615.50 620.50 628.00 641.90 652.10 659.20
3738298.39 | 559.70 569.20 592.80 609.10 616.70 622.80 636.80 646.00 659.20
3738197.02 | 543.30 570.20 608.90 614.60 617.20 630.00 637.60 641.70 644.10
3738095.65 | 552.90 569.00 594.60 610.00 617.90 628.60 640.20 639.10 632.70
3737994.28 | 548.30 577.90 598.70 623.80 633.40 645.50 640.50 629.20 634.50
3737892.91 | 548.90 564.40 601.20 619.00 643.50 643.30 634.40 619.40 641.10
3737791.54 | 549.00 562.80 601.30 622.00 637.60 635.20 626.70 613.20 632.00
3737690.17 | 566.10 580.20 603.30 621.90 621.50 607.10 613.00 600.70 611.10
3737588.80 | 566.30 594.30 604.20 612.90 610.10 599.00 615.80 583.80 595.60
3737487.43 | 564.40 588.00 594.70 594.00 587.70 603.20 609.60 579.40 601.00
3737386.06 | 560.30 558.30 579.80 576.00 576.60 589.00 579.00 574.00 590.20
3737284.69 | 553.10 547.50 556.70 559.40 575.60 586.60 574.60 570.50 589.30
3737183.32 | 535.10 541.80 545.70 556.10 569.40 579.00 567.10 567.30 592.20
3737081.95 | 531.20 536.30 540.80 549.40 565.10 564.50 559.50 576.60 597.20
3736980.58 | 524.50 529.40 535.90 553.40 550.90 552.00 554.50 564.20 588.60
3736879.21 | 519.80 523.40 529.10 535.90 541.50 548.90 549.30 561.10 592.30
3736777.84 | 516.40 523.10 526.70 532.20 536.70 543.70 544.60 557.80 572.80
3736676.47 | 512.60 518.90 523.30 529.30 536.30 539.30 541.10 547.60 556.40
3736575.10 | 512.60 518.30 524.90 528.60 530.30 535.00 536.00 540.60 548.90
3736473.73 | 511.20 514.60 518.60 523.10 525.40 531.20 533.10 536.20 540.00
3736372.36 | 508.00 509.70 512.60 518.80 519.30 524.80 529.90 534.30 539.00
3736270.99 | 506.50 506.20 511.80 514.40 518.90 523.80 528.70 533.30 540.20
3736169.62 | 502.20 506.50 508.40 511.80 519.30 523.00 527.10 532.50 540.60
3736068.25 | 499.70 503.40 508.00 513.60 517.30 520.10 524.10 530.70 542.00
3735966.88 | 497.60 502.00 507.00 512.90 515.00 516.70 519.40 526.40 534.80

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  3735865.51 |        496.70       502.60       508.00       510.10       512.50
  514.30       517.00       524.70       534.70
  3735764.14 |        494.60       499.20       503.80       505.00       508.30
  509.90       512.60       518.90       530.60
  3735662.77 |        493.40       496.30       499.50       502.70       504.90
  505.60       507.90       512.00       523.70
  3735561.40 |        489.50       494.80       494.60       500.00       501.90
  503.20       501.20       505.00       510.20
  3735460.03 |        488.60       492.30       494.00       497.40       499.80
  502.20       497.50       499.30       504.40
  3735358.66 |        486.50       487.70       489.80       493.40       494.70
  494.80       494.70       497.20       499.00
  3735257.29 |        482.00       483.40       486.10       488.70       490.40
  489.10       491.70       494.00       495.00
  3735155.92 |        479.70       480.80       482.60       484.70       486.70
  486.70       489.30       490.50       491.70
  3735054.55 |        478.00       479.10       480.30       481.20       482.60
  484.30       487.00       488.20       489.00
  3734953.18 |        476.60       477.90       478.90       479.90       480.30
  481.90       484.60       486.90       489.00
  3734851.81 |        474.80       476.20       477.00       478.00       479.00
  480.50       482.40       485.20       487.50
  3734750.44 |        473.10       475.00       476.00       476.00       477.40
  479.00       480.70       483.40       486.20
  3734649.07 |        471.80       472.80       473.80       474.50       476.00
  477.00       479.40       482.30       484.80
  3734547.70 |        470.00       471.00       472.00       473.00       474.10
  475.40       477.70       480.10       482.40
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

                                  PAGE  63
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART
***

                                             * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     486808.89    486919.12    487029.35    487139.58    487249.81
487360.04    487470.27    487580.50    487690.73
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3734446.33 |        468.00       469.00       470.00       471.00       472.30
  474.00       475.70       478.00       480.00
  3734344.96 |        466.60       467.70       468.60       469.00       470.20
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472.00 473.90 475.80 477.60
3734243.59 | 465.70 466.30 467.00 468.00 469.00
469.30 471.70 474.10 476.00
3734142.22 | 464.50 465.00 466.00 466.90 467.90
469.00 471.00 472.90 474.00
3734040.85 | 463.00 464.00 465.00 465.80 467.00
468.50 470.30 471.70 473.00
3733939.48 | 462.00 463.00 463.10 464.10 465.40
468.00 469.10 471.00 472.00
3733838.11 | 460.70 461.70 462.00 463.00 464.80
466.70 468.00 469.80 471.00
3733736.74 | 459.20 460.60 461.30 462.20 463.60
465.40 467.20 469.00 470.00
3733635.37 | 458.00 459.30 461.00 462.00 463.00
465.00 466.70 468.00 469.00
3733534.00 | 457.80 459.00 460.00 461.60 463.00
464.00 465.90 467.20 469.00
3733432.63 | 457.60 459.00 460.00 461.00 462.30
464.00 465.00 466.50 468.00
3733331.26 | 457.50 458.30 460.00 461.00 462.00
463.00 464.60 465.90 467.00
3733229.89 | 457.00 458.00 459.00 460.60 462.00
463.00 463.80 465.00 466.00
3733128.52 | 457.00 458.00 459.00 460.00 461.30
463.00 464.00 465.00 466.00
3733027.15 | 457.00 458.00 459.00 460.00 461.20
462.70 463.90 464.00 465.00
3732925.78 | 457.00 458.00 459.00 460.00 461.00
462.00 463.00 463.00 464.00
3732824.41 | 456.60 458.00 459.00 459.00 460.30
461.00 462.00 463.00 464.00
3732723.04 | 456.60 457.30 458.00 459.00 460.00
461.00 462.00 463.00 465.00
3732621.67 | 456.00 457.00 458.00 458.70 459.30
460.20 461.70 463.00 464.10
3732520.30 | 456.00 456.00 457.00 458.00 459.00
460.00 461.00 462.00 464.30
3732418.93 | 455.00 456.00 457.00 458.00 459.00
459.40 460.80 462.00 463.50
3732317.56 | 455.00 456.00 457.00 457.60 458.00
459.00 460.00 461.30 464.00
3732216.19 | 455.00 455.20 456.00 457.00 457.80
458.00 459.00 461.20 464.00
3732114.82 | 454.70 455.00 456.00 456.20 457.00
457.30 458.00 459.30 463.40
3732013.45 | 454.00 455.00 455.00 456.00 456.00
456.00 456.90 457.00 463.10
3731912.08 | 454.00 455.00 455.00 455.80 456.00
456.00 456.00 457.00 464.20
3731810.71 | 454.00 454.20 455.00 456.00 456.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	487800.96	487911.19	488021.42	488131.65	488241.88	488352.11	488462.34	488572.57	488682.80	
3738501.13	673.10	656.00	649.30	666.10	662.80	689.60	701.10	668.80	669.10	
3738399.76	667.00	658.60	655.60	682.90	684.20	698.30	698.40	684.90	684.80	
3738298.39	650.40	656.50	659.80	681.00	715.70	715.90	709.10	709.90	713.20	
3738197.02	643.50	653.50	663.00	680.30	704.50	732.00	721.20	727.90	736.20	
3738095.65	648.70	656.30	671.90	679.40	702.10	717.70	730.60	744.80	784.80	
3737994.28	645.40	656.40	675.40	677.70	700.70	708.40	730.40	761.50	795.40	
3737892.91	644.20	657.20	681.40	681.80	694.00	712.60	742.40	764.90	786.40	

3737791.54 | 647.10 668.50 686.60 692.40 699.00
720.10 745.90 763.70 784.30
3737690.17 | 634.80 677.20 703.80 697.40 698.20
713.50 734.00 771.00 784.60
3737588.80 | 624.60 674.60 702.60 695.70 691.50
713.30 742.10 755.10 774.10
3737487.43 | 634.30 673.30 685.30 690.70 681.90
695.60 736.50 754.30 755.90
3737386.06 | 653.10 693.60 688.80 687.00 678.20
685.40 724.60 737.00 744.70
3737284.69 | 635.50 668.60 668.40 685.30 671.60
673.10 698.00 712.10 731.50
3737183.32 | 623.90 634.90 660.20 684.00 663.80
675.30 712.40 708.30 730.60
3737081.95 | 613.90 629.20 665.30 679.90 656.90
680.50 697.20 717.50 715.30
3736980.58 | 614.00 630.20 645.80 670.90 649.50
683.20 714.80 709.70 701.60
3736879.21 | 607.00 624.60 651.10 662.50 644.50
664.50 679.10 684.70 700.20
3736777.84 | 587.90 607.10 612.60 640.90 638.50
653.50 670.30 687.90 709.30
3736676.47 | 564.70 578.60 594.40 624.20 634.60
652.30 678.80 708.30 702.00
3736575.10 | 554.50 560.60 586.50 619.90 644.10
656.30 684.30 720.50 719.40
3736473.73 | 542.30 578.00 610.40 628.40 642.50
657.60 679.70 709.20 704.90
3736372.36 | 549.80 582.50 612.10 620.90 641.80
660.60 688.40 715.60 694.60
3736270.99 | 564.40 591.50 606.50 616.20 629.70
665.60 697.10 724.00 683.70
3736169.62 | 567.70 581.10 605.10 608.10 628.10
661.20 673.20 681.10 655.80
3736068.25 | 568.50 592.70 598.50 609.60 628.10
650.60 641.90 624.70 615.50
3735966.88 | 550.10 561.60 591.60 610.20 650.00
637.20 638.20 593.40 590.20
3735865.51 | 544.90 559.90 588.80 623.00 652.30
629.90 609.70 585.70 579.40
3735764.14 | 542.00 568.30 599.10 626.20 655.60
621.20 594.00 582.90 569.90
3735662.77 | 541.20 556.40 579.80 614.70 625.90
608.40 572.40 560.60 563.60
3735561.40 | 518.80 531.30 544.40 575.90 584.70
569.70 554.00 552.10 555.60
3735460.03 | 511.90 518.80 525.50 552.20 557.70
547.40 542.90 545.80 547.90
3735358.66 | 505.40 511.00 513.80 525.20 542.80
538.20 535.80 537.90 541.80

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)															
	487800.96	487911.19	488021.42	488131.65	488241.88	488352.11	488462.34	488572.57	488682.80							
3735257.29	498.80	503.80	508.20	516.10	526.20	527.10	528.80	531.50	534.00							
3735155.92	495.40	498.00	502.40	508.10	514.30	519.70	522.10	525.10	528.00							
3735054.55	492.30	495.40	500.10	504.70	510.70	515.30	517.80	524.10	521.80							
3734953.18	491.70	495.40	499.00	504.30	508.70	511.90	513.60	517.40	516.80							
3734851.81	490.70	494.40	498.00	502.20	505.70	507.10	510.30	511.10	510.60							
3734750.44	489.70	492.40	495.20	499.80	501.20	503.20	505.10	505.10	507.10							
3734649.07	487.50	489.10	492.80	495.60	497.90	501.00	501.80	500.40	500.60							
3734547.70	484.40	486.80	489.40	492.80	495.80	498.40	496.90	496.20	497.70							
3734446.33	481.70	484.00	487.00	489.00	493.00	494.00	493.30	493.00	496.10							
3734344.96	479.40	481.80	485.00	487.70	489.80	491.60	491.20	492.80	494.00							
3734243.59	477.80	480.40	483.00	485.20	488.10	489.20	488.70	490.60	492.10							
3734142.22	476.00	478.40	480.90	482.60	485.30	487.80	487.60	488.40	490.10							
3734040.85	475.00	476.70	479.00	480.90	482.50	484.50	485.40	487.20	488.50							
3733939.48	474.00	475.40	477.20	478.10	480.40	483.00	483.10	484.50	486.00							
3733838.11	472.90	474.30	475.70	476.00	477.00	480.70	480.90	482.80	482.80							
3733736.74	471.80	473.00	474.00	474.40	475.80											

478.40 479.10 481.10 481.10
3733635.37 | 471.00 472.00 472.00 473.70 475.00
476.10 477.40 479.00 480.10
3733534.00 | 470.00 470.70 470.60 469.90 474.00
476.00 475.90 477.20 478.10
3733432.63 | 468.80 469.50 469.20 469.70 473.40
474.20 474.80 475.50 477.00
3733331.26 | 468.00 468.30 469.00 470.00 471.80
472.10 473.60 474.90 476.00
3733229.89 | 467.00 468.00 468.50 469.50 471.20
472.50 472.90 474.00 475.00
3733128.52 | 467.70 471.00 481.90 471.00 472.40
473.00 473.90 474.00 474.10
3733027.15 | 466.70 468.80 475.40 474.20 473.70
475.60 477.80 484.90 494.10
3732925.78 | 466.70 468.80 479.20 482.90 481.70
489.80 480.50 481.30 500.70
3732824.41 | 467.00 469.00 505.20 513.70 503.70
524.50 513.80 499.60 522.60
3732723.04 | 467.70 471.40 496.10 540.60 555.50
564.80 540.30 523.80 541.30
3732621.67 | 482.70 486.80 483.30 500.80 556.60
546.80 537.10 534.90 539.10
3732520.30 | 497.10 527.10 520.70 510.10 543.30
544.10 537.50 539.80 541.50
3732418.93 | 475.90 491.10 502.50 518.70 555.10
553.90 556.80 563.80 571.70
3732317.56 | 470.70 474.00 479.10 516.80 577.90
589.40 591.30 610.10 618.40
3732216.19 | 472.00 479.30 493.90 515.20 567.90
605.60 618.80 642.10 658.60
3732114.82 | 481.50 496.40 531.60 578.80 593.70
635.50 671.10 682.30 653.30
3732013.45 | 483.30 521.50 572.20 620.80 634.50
675.60 723.60 734.10 679.80
3731912.08 | 506.50 549.40 586.70 604.60 674.20
710.50 746.70 766.80 718.10
3731810.71 | 523.40 557.00 553.40 601.80 677.20
717.60 743.60 754.20 718.60
3731709.34 | 475.10 506.90 525.30 577.50 638.70
686.30 731.90 731.80 704.10
3731607.97 | 460.10 466.60 508.80 559.30 623.20
707.00 765.20 763.60 720.90
3731506.60 | 456.00 460.80 488.70 543.60 619.00
690.60 734.10 746.30 742.70
3731405.23 | 454.30 457.00 477.60 524.80 590.90
627.50 642.80 679.20 712.50
3731303.86 | 452.20 452.60 458.90 500.10 541.60
568.60 574.70 611.10 655.00
3731202.49 | 450.00 450.00 451.20 478.30 489.70

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)		
	488793.03	488903.26	489013.49
3738501.13	675.50	682.30	688.40
3738399.76	698.90	686.30	690.90
3738298.39	702.90	700.70	706.40
3738197.02	723.40	716.00	714.30
3738095.65	756.20	735.60	736.50
3737994.28	773.30	774.20	764.40
3737892.91	778.60	779.10	806.00
3737791.54	779.60	789.80	801.70
3737690.17	772.70	783.10	793.10
3737588.80	763.30	777.10	781.10
3737487.43	764.50	774.10	775.50
3737386.06	751.50	767.70	768.10
3737284.69	734.70	759.00	761.50
3737183.32	738.40	741.10	751.10
3737081.95	717.00	741.60	756.70
3736980.58	715.30	731.70	767.30
3736879.21	708.30	730.30	751.60
3736777.84	706.50	711.90	728.10
3736676.47	707.20	718.30	722.50
3736575.10	705.40	733.20	742.00
3736473.73	694.70	713.00	742.90
3736372.36	677.80	692.80	718.70
3736270.99	667.20	669.70	677.50
3736169.62	654.80	652.60	647.60
3736068.25	619.50	620.00	639.40
3735966.88	591.10	599.30	627.60
3735865.51	586.30	603.00	642.80

3735764.14	577.50	600.70	652.70
3735662.77	573.00	590.70	631.80
3735561.40	571.40	577.20	606.00
3735460.03	552.30	566.10	589.70
3735358.66	542.90	549.10	558.70
3735257.29	535.10	539.30	546.40
3735155.92	530.60	535.10	539.20
3735054.55	524.10	528.20	532.10
3734953.18	519.70	522.10	524.00
3734851.81	514.20	515.60	517.70
3734750.44	508.00	510.90	513.30
3734649.07	504.90	505.90	511.90
3734547.70	500.30	502.10	507.50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)		
	488793.03	488903.26	489013.49
3734446.33	498.00	501.40	505.10
3734344.96	496.60	499.90	505.10
3734243.59	500.20	499.70	504.00
3734142.22	492.80	496.70	504.60
3734040.85	491.00	493.90	498.90
3733939.48	488.60	493.50	496.20
3733838.11	486.70	490.20	492.70
3733736.74	484.70	488.20	490.00
3733635.37	481.70	484.40	487.00
3733534.00	479.90	480.80	482.60
3733432.63	478.20	479.10	480.30
3733331.26	477.00	477.50	478.90
3733229.89	475.70	475.80	477.00
3733128.52	477.30	475.90	477.00
3733027.15	494.40	481.30	479.00
3732925.78	507.30	506.20	482.90
3732824.41	524.70	504.90	514.70
3732723.04	518.80	520.80	521.30
3732621.67	530.70	537.80	528.50

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	480856.47	480966.70	481076.93	481187.16	481297.39	481407.62	481517.85	481628.08	481738.31	
3738501.13	431.00	431.00	431.00	431.00	431.00	431.00	431.00	431.00	431.00	
3738399.76	431.00	431.00	431.00	431.40	431.10	431.00	431.00	431.00	431.00	
3738298.39	431.00	431.00	431.30	431.90	431.00	431.00	431.00	431.00	431.00	
3738197.02	431.00	432.00	432.00	431.00	431.00	431.00	431.00	431.00	431.00	
3738095.65	432.00	432.00	431.30	431.00	431.00	431.00	431.00	431.00	431.00	
3737994.28	432.00	432.00	431.00	431.00	431.00	431.00	431.00	431.00	431.00	
3737892.91	431.00	431.00	431.00	431.00	431.00	431.00	431.00	431.00	431.00	
3737791.54	431.00	431.00	431.00	431.00	431.00					
3732520.30	542.20	539.70	532.50							
3732418.93	550.60	535.90	527.00							
3732317.56	577.10	546.90	544.10							
3732216.19	592.50	576.50	553.20							
3732114.82	602.70	583.80	572.90							
3732013.45	630.30	586.60	546.20							
3731912.08	674.80	628.50	561.20							
3731810.71	685.10	617.70	581.50							
3731709.34	661.30	627.60	620.80							
3731607.97	670.50	654.70	655.40							
3731506.60	696.60	665.90	642.70							
3731405.23	707.80	654.20	622.10							
3731303.86	682.70	654.40	599.50							
3731202.49	683.30	640.30	609.80							
3731101.12	666.20	663.00	636.10							
3730999.75	623.40	612.80	606.10							

431.00 431.00 431.00 430.70
3737690.17 | 431.00 431.00 431.00 431.00 431.80
431.00 431.00 431.00 430.00
3737588.80 | 431.00 431.00 431.00 431.00 431.70
431.00 431.00 430.00 430.00
3737487.43 | 431.00 431.00 431.00 431.00 431.00
431.00 430.70 430.00 430.00
3737386.06 | 431.00 432.00 432.00 431.00 430.00
430.00 430.00 430.00 430.00
3737284.69 | 431.00 431.00 431.60 431.00 430.00
430.00 430.00 430.00 430.00
3737183.32 | 431.00 431.00 431.00 430.20 430.00
430.00 430.00 430.00 430.00
3737081.95 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3736980.58 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3736879.21 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3736777.84 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3736676.47 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3736575.10 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3736473.73 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 431.00
3736372.36 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 431.00
3736270.99 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3736169.62 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3736068.25 | 430.00 430.00 430.00 430.00 430.00
430.00 430.90 430.00 430.00
3735966.88 | 430.00 430.00 430.00 430.00 430.00
430.70 430.00 430.00 430.00
3735865.51 | 430.00 430.00 430.00 430.00 431.00
430.10 430.00 430.00 430.00
3735764.14 | 430.00 430.00 430.00 431.00 431.00
430.00 430.00 430.00 430.00
3735662.77 | 430.00 430.00 430.00 430.60 430.00
430.00 430.00 430.00 430.00
3735561.40 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.00
3735460.03 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.00 430.10
3735358.66 | 430.00 430.00 430.00 430.00 430.00
430.00 430.00 430.50 431.00
3735257.29 | 430.00 430.00 430.00 430.00 430.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	480856.47	480966.70	481076.93	481187.16	481297.39	481407.62	481517.85	481628.08	481738.31	
3734446.33	431.00	431.00	431.00	431.00	431.00	431.00	431.00	431.90	432.00	
3734344.96	431.00	431.00	431.00	431.00	431.00	431.20	432.00	432.00	432.00	
3734243.59	431.00	431.00	431.00	431.00	431.90	432.00	432.00	432.00	432.00	
3734142.22	430.00	430.00	431.00	431.00	431.90	432.00	432.00	432.00	432.00	
3734040.85	430.00	430.00	430.00	431.00	432.00	432.00	432.00	432.00	432.00	
3733939.48	430.00	430.00	430.00	430.00	431.10	432.00	432.00	432.00	432.00	
3733838.11	431.00	430.30	431.00	431.00	431.80	432.00	433.00	433.00	432.30	
3733736.74	430.00	430.00	430.40	431.00	431.00	431.00	432.00	432.00	432.40	

3733635.37 | 430.00 430.00 430.60 431.00 431.10
431.40 432.00 433.00 432.00
3733534.00 | 431.00 430.40 431.00 431.00 432.00
432.00 432.00 432.40 433.00
3733432.63 | 431.80 431.00 431.00 431.80 432.00
432.00 433.00 433.00 433.00
3733331.26 | 432.10 432.00 432.00 432.00 432.00
432.00 433.00 433.00 433.00
3733229.89 | 433.40 433.00 432.20 432.00 432.00
432.60 433.00 433.00 433.00
3733128.52 | 434.00 433.90 433.00 432.00 432.00
432.50 433.00 433.00 433.00
3733027.15 | 435.00 434.00 433.60 433.00 433.00
433.00 433.00 433.00 433.00
3732925.78 | 435.90 435.00 434.00 433.90 433.00
433.00 433.00 433.00 433.00
3732824.41 | 436.80 436.00 435.00 434.00 434.00
433.40 433.00 433.00 433.00
3732723.04 | 437.00 436.00 435.70 435.00 434.00
434.00 433.90 433.00 434.00
3732621.67 | 438.00 437.00 436.00 435.60 435.00
434.90 434.00 433.00 434.00
3732520.30 | 439.00 438.00 437.00 436.00 435.00
435.00 434.00 433.00 434.00
3732418.93 | 439.90 438.10 437.00 436.00 436.00
435.00 434.00 434.00 434.00
3732317.56 | 440.00 439.00 437.40 436.00 436.00
435.00 434.00 434.00 434.00
3732216.19 | 684.00 439.00 437.60 436.00 436.00
435.00 434.50 434.00 434.00
3732114.82 | 684.00 439.10 438.00 436.00 436.00
435.00 434.00 434.00 434.00
3732013.45 | 684.00 684.00 437.40 436.00 435.10
435.00 434.00 434.00 434.00
3731912.08 | 684.00 684.00 437.40 436.00 435.10
435.00 434.00 434.00 434.00
3731810.71 | 684.00 684.00 684.00 436.00 435.00
435.00 434.00 434.00 434.00
3731709.34 | 684.00 684.00 684.00 436.00 435.00
435.00 434.00 434.00 434.00
3731607.97 | 684.00 684.00 684.00 684.00 435.00
435.00 434.00 434.00 433.20
3731506.60 | 684.00 684.00 684.00 684.00 435.00
434.00 434.70 434.00 434.00
3731405.23 | 684.00 684.00 684.00 684.00 434.10
434.00 434.00 433.10 433.00
3731303.86 | 684.00 684.00 684.00 684.00 670.00
433.60 433.10 433.00 433.00
3731202.49 | 684.00 684.00 684.00 684.00 671.00
433.00 433.00 433.00 433.00

  3738501.13 | 431.00   431.00   431.00   431.00   431.00
  431.00   430.00   430.00   430.00
  3738399.76 | 431.00   431.00   431.00   431.00   431.00
  430.00   430.00   430.00   430.00
  3738298.39 | 431.00   431.00   431.00   431.00   430.00
  430.00   430.00   430.00   430.00
  3738197.02 | 431.00   431.00   431.00   430.70   430.00
  430.00   430.00   430.00   430.00
  3738095.65 | 431.00   431.00   430.80   430.00   430.00
  430.00   430.00   430.00   430.00
  3737994.28 | 431.00   431.00   430.00   430.00   430.00
  430.00   430.00   430.00   430.00
  3737892.91 | 431.00   430.00   430.00   430.00   430.00
  430.00   430.00   430.00   430.00
  3737791.54 | 430.00   430.00   430.00   430.00   430.00
  430.00   430.00   430.00   430.00
  3737690.17 | 430.00   430.00   430.00   430.00   430.00
  430.00   430.00   430.00   430.00
  3737588.80 | 430.00   430.00   430.00   430.00   430.00
  430.00   430.00   430.00   430.00
  3737487.43 | 430.00   430.00   430.00   430.00   430.00
  430.00   430.00   430.00   430.00
  3737386.06 | 430.00   430.00   430.00   430.00   430.00
  430.00   430.00   430.00   430.70
  3737284.69 | 430.00   430.00   430.00   430.00   430.00
  430.00   430.00   430.00   431.00
  3737183.32 | 430.00   430.00   430.00   430.00   430.00

430.00 430.00 430.00 431.00
3737081.95 | 430.00 430.00 430.00 430.00 430.00
430.00 430.10 430.10 430.70
3736980.58 | 430.00 430.00 430.00 430.00 430.00
431.00 431.00 431.00 431.00
3736879.21 | 430.00 430.00 430.00 430.00 430.90
431.00 431.00 431.00 431.00
3736777.84 | 430.00 430.00 430.00 431.00 431.00
431.00 431.00 431.00 431.00
3736676.47 | 430.00 430.00 430.00 431.00 431.00
431.00 431.00 431.00 431.00
3736575.10 | 431.00 430.10 430.00 430.00 430.00
431.00 431.00 431.00 431.00
3736473.73 | 431.00 431.00 431.00 430.00 430.00
431.00 431.00 431.00 431.00
3736372.36 | 431.00 431.00 431.00 430.50 430.00
431.00 431.00 432.00 432.00
3736270.99 | 430.00 430.00 431.00 431.00 430.00
430.00 431.00 432.00 432.00
3736169.62 | 430.00 430.00 430.00 431.00 431.00
431.00 431.00 432.00 432.00
3736068.25 | 430.00 430.00 430.00 431.00 431.00
431.00 431.30 432.00 432.00
3735966.88 | 430.00 430.00 430.00 430.30 431.00
431.70 432.00 432.00 432.00
3735865.51 | 430.00 430.00 430.00 431.00 431.00
431.70 432.00 432.00 432.00
3735764.14 | 430.00 431.00 431.00 431.00 431.00
431.70 432.00 432.00 432.00
3735662.77 | 431.00 431.00 431.00 431.00 431.00
431.00 432.00 432.00 432.00
3735561.40 | 431.00 431.00 431.00 431.00 431.00
431.00 432.00 432.00 432.00
3735460.03 | 431.00 431.00 431.00 431.00 431.00
431.00 432.00 432.00 432.00
3735358.66 | 431.00 431.00 431.00 431.00 431.00
432.00 432.00 432.00 432.00
3735257.29 | 431.00 431.00 431.00 431.00 432.00
433.00 433.00 432.00 433.00
3735155.92 | 431.00 431.00 431.00 431.00 432.00
433.00 433.00 433.00 433.00
3735054.55 | 430.50 431.00 431.00 431.20 432.00
433.00 433.00 433.00 433.00
3734953.18 | 430.00 431.00 431.00 432.00 432.00
433.00 433.00 433.00 433.00
3734851.81 | 430.00 431.00 431.00 432.00 432.00
443.00 443.00 433.00 433.00
3734750.44 | 430.00 431.00 431.00 432.00 432.00
443.00 437.30 433.00 433.00
3734649.07 | 431.00 431.00 431.00 431.00 431.80

                                          * HILL HEIGHT SCALES IN METERS *

    Y-COORD | X-COORD (METERS)
    (METERS) | 481848.54   481958.77   482069.00   482179.23   482289.46
482399.69   482509.92   482620.15   482730.38
 -
- -

  3734446.33 | 432.00   432.00   431.00   431.00   433.00
  433.00   433.00   434.00   434.00
  3734344.96 | 432.00   432.00   432.00   433.00   433.00
  433.00   433.00   434.00   434.00
  3734243.59 | 432.00   432.00   432.00   433.00   433.00
  433.00   433.00   434.00   434.00
  3734142.22 | 432.00   432.00   432.60   433.00   433.00
  433.00   433.00   434.00   434.00
  3734040.85 | 432.00   432.00   433.00   433.00   433.00
  433.00   433.30   434.00   434.00
  3733939.48 | 432.00   433.00   433.00   433.00   433.00
  433.00   434.00   434.00   434.00
  3733838.11 | 433.00   433.00   433.00   433.00   433.00
  433.00   434.00   434.00   434.00
  3733736.74 | 433.00   433.00   433.00   433.00   433.00
  433.70   434.00   434.00   434.00
  3733635.37 | 433.00   433.00   433.00   433.00   433.00
  434.00   434.00   434.00   434.00
  3733534.00 | 433.00   433.00   433.00   433.00   434.00
  434.00   434.00   434.00   434.00
  3733432.63 | 433.00   433.00   433.00   433.00   434.00
  434.00   434.00   434.00   434.00
  3733331.26 | 433.00   433.00   433.00   433.00   434.00
  434.00   434.00   434.00   435.00
  3733229.89 | 433.00   433.00   433.30   433.70   434.00
  434.00   434.00   434.00   435.00
  3733128.52 | 433.00   433.00   434.00   434.00   434.00
  434.00   434.00   434.00   435.00

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 3733027.15 |        433.10       434.00       434.00       434.00       434.00
 434.20       434.00       435.00       435.00
 3732925.78 |        433.80       434.00       434.00       434.00       434.70
 434.70       434.80       435.00       435.00
 3732824.41 |        434.00       434.00       434.00       435.00       435.00
 434.70       435.00       435.00       435.00
 3732723.04 |        434.00       434.00       434.80       435.00       435.00
 435.00       435.00       435.00       435.00
 3732621.67 |        434.00       434.00       435.00       435.00       435.00
 436.00       435.00       435.00       435.00
 3732520.30 |        434.00       434.00       434.80       435.00       435.20
 436.00       436.00       435.00       435.00
 3732418.93 |        434.00       434.00       434.00       434.00       436.00
 436.00       436.00       436.00       435.00
 3732317.56 |        434.00       434.00       434.00       434.30       435.00
 436.00       436.00       436.00       435.00
 3732216.19 |        434.00       434.00       434.00       434.30       435.00
 436.00       436.00       435.70       435.00
 3732114.82 |        434.00       434.00       434.00       434.00       435.00
 435.10       435.00       435.00       435.00
 3732013.45 |        434.00       434.00       435.00       435.00       435.00
 435.00       435.00       435.00       435.00
 3731912.08 |        434.00       434.00       434.40       435.00       435.00
 435.00       435.00       435.00       435.80
 3731810.71 |        434.00       434.00       434.60       435.00       435.00
 435.00       435.00       435.00       436.00
 3731709.34 |        434.00       434.00       434.00       435.00       435.00
 435.00       435.00       435.00       436.00
 3731607.97 |        434.00       434.00       434.00       434.10       434.40
 435.00       435.00       435.00       436.00
 3731506.60 |        433.00       434.00       434.00       434.00       434.00
 435.00       435.00       435.00       436.00
 3731405.23 |        433.00       433.00       434.00       434.00       434.00
 435.00       435.00       436.00       436.00
 3731303.86 |        433.00       433.00       433.30       434.00       434.00
 435.00       435.00       436.00       436.00
 3731202.49 |        433.00       433.00       433.60       434.00       435.00
 435.00       435.00       436.00       436.00
 3731101.12 |        433.00       433.00       433.60       434.00       435.00
 435.00       435.30       436.00       436.00
 3730999.75 |        433.00       433.00       434.00       434.00       435.00
 435.60       436.00       436.00       651.00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

                                  PAGE  72
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) | | |

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 433.70       434.00       435.00       435.70
 3736473.73 |        432.00       432.00       432.00       433.00       433.00
 434.00       434.00       435.00       436.00
 3736372.36 |        432.00       432.00       432.00       433.00       433.00
 434.00       434.00       435.00       436.00
 3736270.99 |        432.00       432.00       432.00       433.00       433.00
 434.00       434.00       435.00       436.00
 3736169.62 |        432.00       432.00       432.00       433.00       433.00
 434.00       434.00       435.00       436.00
 3736068.25 |        432.00       432.00       432.00       433.00       433.00
 434.00       434.40       435.00       436.00
 3735966.88 |        432.00       432.00       433.00       433.00       433.00
 434.00       435.00       435.10       436.00
 3735865.51 |        432.00       432.00       433.00       433.00       433.70
 434.00       435.00       436.00       436.00
 3735764.14 |        432.00       433.00       433.00       433.00       434.00
 434.70       435.00       436.00       436.80
 3735662.77 |        432.00       433.00       433.00       433.00       434.00
 435.00       436.00       436.00       437.30
 3735561.40 |        432.30       433.00       433.00       433.00       434.00
 435.00       436.00       437.00       438.00
 3735460.03 |        433.00       433.00       433.00       433.10       434.00
 435.00       436.00       437.10       438.60
 3735358.66 |        433.00       433.00       433.00       434.00       434.00
 435.00       436.00       437.10       438.00
 3735257.29 |        433.00       433.00       433.00       434.00       435.00
 435.00       436.00       437.10       438.70
 3735155.92 |        433.00       433.00       433.80       434.00       435.00
 435.70       436.00       437.10       438.50
 3735054.55 |        433.00       433.00       434.00       434.30       435.00
 436.00       436.80       438.00       438.00
 3734953.18 |        433.00       433.10       434.00       435.00       436.00
 436.00       437.00       438.00       438.80
 3734851.81 |        433.00       434.00       434.00       435.00       436.00
 436.90       437.40       438.00       439.00
 3734750.44 |        433.00       434.00       434.60       435.10       436.00
 437.00       438.00       438.90       439.60
 3734649.07 |        434.00       434.00       434.70       435.40       436.00
 437.00       438.00       439.00       439.80
 3734547.70 |        434.00       434.00       434.70       435.40       436.00
 437.00       438.00       439.00       440.00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

                                 PAGE  73
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART
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* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	482840.61	482950.84	483061.07	483171.30	483281.53	483391.76	483501.99	483612.22	483722.45	
3734446.33	434.40	435.00	435.00	436.00	436.00	437.00	438.00	439.00	439.70	
3734344.96	434.00	435.00	435.40	436.00	436.00	437.00	438.00	439.00	439.70	
3734243.59	435.00	435.00	435.00	436.00	436.00	437.00	438.00	439.00	439.70	
3734142.22	435.00	435.00	435.00	436.00	436.00	437.00	438.00	439.00	439.70	
3734040.85	434.70	435.00	435.00	436.00	436.00	437.00	438.00	439.00	439.00	
3733939.48	435.00	435.00	435.00	436.00	436.00	437.00	438.00	438.20	439.00	
3733838.11	435.00	435.00	435.00	436.00	436.00	437.00	437.30	438.00	438.00	
3733736.74	435.00	435.00	435.00	436.00	436.00	436.70	437.00	438.00	438.00	
3733635.37	435.00	435.00	435.00	436.00	436.00	436.00	437.00	437.10	438.00	
3733534.00	435.00	435.00	435.00	435.00	436.00	436.00	437.00	437.00	438.00	
3733432.63	435.00	435.00	435.00	435.00	436.00	436.00	437.00	437.00	438.00	
3733331.26	435.00	435.00	435.00	435.00	436.00	436.00	437.00	437.00	438.00	
3733229.89	435.00	435.00	435.00	435.00	436.00	436.00	437.00	437.00	437.70	
3733128.52	435.00	435.00	435.00	435.90	436.00	436.00	437.00	437.00	437.70	
3733027.15	435.00	435.00	435.00	436.00	436.00	436.00	437.00	437.00	437.70	
3732925.78	435.00	435.00	435.00	436.00	436.00	436.00	437.00	437.00	437.70	
3732824.41	435.00	435.00	436.00	436.00	436.00	436.70	437.00	437.00	438.00	
3732723.04	435.00	436.00	436.00	436.00	436.00	437.00	437.00	438.00	438.00	
3732621.67	435.00	436.00	436.00	436.00	437.00	437.00	437.30	438.00	506.00	
3732520.30	435.00	436.00	436.00	436.00	437.00	437.00	438.00	506.00	506.00	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	483832.68	483942.91	484053.14	484163.37	484273.60	484383.83	484494.06	484604.29	484714.52
3738501.13	431.30	432.00	432.00	432.00	432.00				

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432.80       433.00       434.00       435.00
3738399.76 |       432.00       432.00       432.00       432.00       432.00
432.20       433.00       434.10       435.20
3738298.39 |       432.00       432.00       432.00       432.00       432.00
432.80       433.30       434.60       436.00
3738197.02 |       432.00       432.00       432.00       432.00       432.00
433.00       433.50       435.00       436.00
3738095.65 |       431.40       432.00       432.00       432.00       432.00
433.00       434.00       435.00       436.00
3737994.28 |       431.80       432.00       432.00       432.00       432.80
433.00       434.00       435.10       436.80
3737892.91 |       432.00       432.00       432.00       432.40       433.00
433.80       435.00       436.00       437.00
3737791.54 |       432.00       432.00       432.00       433.00       434.00
434.40       435.20       436.10       437.90
3737690.17 |       432.00       432.10       433.00       433.00       434.00
435.00       436.00       437.10       439.00
3737588.80 |       432.00       433.00       433.20       434.00       435.00
436.00       437.00       438.10       439.90
3737487.43 |       432.40       433.00       434.00       435.00       436.00
436.50       437.80       439.10       440.80
3737386.06 |       433.00       433.10       434.00       435.40       436.00
437.00       438.00       440.00       441.00
3737284.69 |       433.00       434.00       435.00       436.00       437.00
437.90       438.50       440.00       441.30
3737183.32 |       433.30       434.10       435.00       436.00       437.10
438.00       439.00       440.00       441.60
3737081.95 |       434.00       435.00       436.00       437.00       438.00
439.00       439.00       440.10       441.80
3736980.58 |       434.20       435.10       436.00       438.00       439.00
440.00       440.00       544.00       544.00
3736879.21 |       435.00       436.00       436.80       438.40       440.00
441.00       544.00       544.00       544.00
3736777.84 |       435.00       436.00       437.80       438.60       544.00
544.00       544.00       544.00       544.00
3736676.47 |       436.00       436.10       438.50       440.00       544.00
544.00       544.00       544.00       544.00
3736575.10 |       436.00       437.10       439.00       544.00       544.00
544.00       544.00       544.00       544.00
3736473.73 |       436.40       437.10       544.00       544.00       544.00
544.00       544.00       544.00       544.00
3736372.36 |       436.40       437.10       544.00       544.00       544.00
544.00       544.00       544.00       544.00
3736270.99 |       436.40       437.10       544.00       544.00       544.00
544.00       544.00       544.00       544.00
3736169.62 |       436.40       437.10       544.00       544.00       544.00
544.00       544.00       544.00       544.00
3736068.25 |       436.40       438.00       544.00       544.00       544.00
544.00       544.00       544.00       544.00
3735966.88 |       437.00       438.00       544.00       544.00       544.00
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  544.00       544.00       544.00       544.00
  3735865.51 |       437.40       438.70       544.00       544.00       544.00
  544.00       544.00       544.00       544.00
  3735764.14 |       438.00       439.00       544.00       544.00       544.00
  544.00       544.00       544.00       544.00
  3735662.77 |       438.20       439.10       440.80       544.00       544.00
  544.00       544.00       544.00       544.00
  3735561.40 |       439.00       440.10       441.60       544.00       544.00
  544.00       544.00       544.00       544.00
  3735460.03 |       439.30       441.10       442.00       443.40       544.00
  544.00       544.00       544.00       544.00
  3735358.66 |       439.40       441.10       442.00       444.00       445.10
  544.00       544.00       544.00       544.00
  3735257.29 |       440.00       441.00       442.00       444.00       446.00
  446.80       544.00       544.00       544.00
  3735155.92 |       440.00       441.10       442.80       444.00       446.00
  446.80       448.00       449.00       450.00
  3735054.55 |       439.40       441.10       442.80       444.00       445.10
  446.80       448.00       449.10       450.60
  3734953.18 |       440.00       441.00       442.00       444.00       445.10
  446.80       448.00       449.10       450.80
  3734851.81 |       440.00       441.00       442.00       443.70       445.10
  446.00       447.70       449.00       450.00
  3734750.44 |       440.00       441.00       442.00       443.40       445.00
  446.00       447.50       449.00       450.00
  3734649.07 |       440.00       441.00       442.00       443.40       445.00
  446.00       447.00       448.10       450.00
  3734547.70 |       440.00       441.00       442.00       443.00       444.10
  445.90       447.00       448.00       449.30
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

                                 PAGE  75
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART
***

                                          * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                          X-COORD (METERS)
    (METERS) |     483832.68    483942.91    484053.14    484163.37    484273.60
484383.83    484494.06    484604.29    484714.52
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3734446.33 |       440.40       441.00       442.00       443.00       444.00
  445.00       446.50       448.00       448.80
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3734344.96 | 440.30 441.00 442.00 443.00 444.00
445.00 446.00 447.00 448.00
3734243.59 | 440.00 441.00 441.80 442.40 444.00
445.00 446.00 447.00 448.00
3734142.22 | 440.00 441.00 441.70 442.00 443.10
444.00 445.00 446.00 447.00
3734040.85 | 440.00 440.10 441.00 442.00 443.00
444.00 445.00 446.00 446.80
3733939.48 | 439.00 440.00 441.00 442.00 443.00
443.10 444.00 445.00 446.00
3733838.11 | 439.00 439.10 440.60 441.30 442.00
442.90 443.50 444.10 445.00
3733736.74 | 438.40 439.00 440.00 441.00 441.40
442.00 443.00 444.00 444.30
3733635.37 | 438.40 439.00 440.00 440.40 441.00
442.00 442.00 443.00 444.00
3733534.00 | 438.00 439.10 439.60 440.00 441.00
441.00 442.00 442.10 443.00
3733432.63 | 438.00 439.00 439.00 440.00 440.00
441.00 441.00 442.00 443.00
3733331.26 | 438.00 439.00 439.00 440.00 440.00
441.00 441.00 442.00 442.80
3733229.89 | 438.00 439.00 439.00 439.40 440.00
440.40 441.00 442.00 442.80
3733128.52 | 438.00 438.10 439.00 439.00 440.00
440.00 441.00 441.20 442.00
3733027.15 | 438.00 438.00 439.00 439.00 439.00
439.90 440.00 441.00 441.90
3732925.78 | 438.00 438.00 438.00 438.70 439.00
439.00 440.00 440.30 441.00
3732824.41 | 438.00 438.00 438.00 438.40 438.20
439.00 439.00 440.00 440.00
3732723.04 | 438.00 506.00 506.00 506.00 439.00
438.00 439.00 439.00 440.00
3732621.67 | 506.00 506.00 506.00 506.00 506.00
506.00 439.00 439.00 439.80
3732520.30 | 506.00 506.00 506.00 506.00 506.00
506.00 506.00 439.00 439.80
3732418.93 | 506.00 506.00 506.00 506.00 506.00
521.00 506.00 506.00 440.00
3732317.56 | 506.00 506.00 506.00 506.00 521.00
521.00 521.00 536.00 536.00
3732216.19 | 521.00 521.00 506.00 521.00 521.00
536.00 536.00 536.00 536.00
3732114.82 | 521.00 506.00 506.00 521.00 521.00
536.00 651.00 651.00 651.00
3732013.45 | 521.00 521.00 506.00 521.00 651.00
651.00 651.00 651.00 651.00
3731912.08 | 521.00 521.00 521.00 651.00 651.00
651.00 651.00 651.00 651.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	484824.75	484934.98	485045.21	485155.44	485265.67	485375.90	485486.13	485596.36	485706.59
3738501.13	436.50	439.10	441.00	800.00	800.00	800.00	800.00	812.00	812.00
3738399.76	436.60	439.20	441.00	800.00	800.00	811.00	812.00	812.00	
3738298.39	437.50	439.20	441.00	800.00	800.00	811.00	812.00	812.00	
3738197.02	438.00	439.20	441.00	800.00	800.00	812.00	812.00	812.00	
3738095.65	438.00	439.50	441.80	800.00	800.00	811.00	812.00	812.00	
3737994.28	438.00	440.00	442.00	800.00	800.00	811.00	812.00	812.00	
3737892.91	438.50	440.20	442.80	800.00	800.00				

800.00 811.00 812.00 812.00
3737791.54 | 439.20 441.20 443.40 800.00 800.00
800.00 800.00 812.00 812.00
3737690.17 | 440.40 442.10 444.00 799.00 800.00
800.00 800.00 812.00 812.00
3737588.80 | 441.60 443.20 444.90 447.50 800.00
800.00 800.00 812.00 812.00
3737487.43 | 442.30 444.10 445.90 530.00 800.00
800.00 800.00 811.00 812.00
3737386.06 | 442.50 445.00 530.00 530.00 800.00
800.00 800.00 800.00 812.00
3737284.69 | 443.00 530.00 530.00 530.00 799.00
800.00 800.00 800.00 812.00
3737183.32 | 442.90 530.00 530.00 530.00 530.00
800.00 800.00 800.00 812.00
3737081.95 | 443.10 530.00 530.00 530.00 530.00
799.00 800.00 800.00 800.00
3736980.58 | 544.00 544.00 544.00 544.00 530.00
530.00 799.00 530.00 530.00
3736879.21 | 544.00 544.00 544.00 544.00 544.00
530.00 793.00 530.00 530.00
3736777.84 | 544.00 544.00 544.00 544.00 544.00
544.00 530.00 530.00 793.00
3736676.47 | 544.00 544.00 544.00 544.00 544.00
544.00 544.00 530.00 799.00
3736575.10 | 544.00 544.00 544.00 544.00 544.00
544.00 544.00 530.00 799.00
3736473.73 | 544.00 544.00 544.00 544.00 544.00
544.00 544.00 544.00 530.00
3736372.36 | 544.00 544.00 544.00 544.00 544.00
544.00 544.00 544.00 475.70
3736270.99 | 544.00 544.00 544.00 544.00 544.00
544.00 544.00 544.00 544.00
3736169.62 | 544.00 544.00 544.00 544.00 544.00
544.00 544.00 544.00 544.00
3736068.25 | 544.00 544.00 544.00 544.00 544.00
544.00 544.00 544.00 544.00
3735966.88 | 544.00 544.00 544.00 544.00 544.00
544.00 544.00 544.00 475.10
3735865.51 | 544.00 544.00 544.00 544.00 544.00
544.00 544.00 544.00 541.00
3735764.14 | 544.00 544.00 544.00 544.00 544.00
544.00 544.00 544.00 541.00
3735662.77 | 544.00 544.00 544.00 544.00 544.00
544.00 544.00 544.00 469.60
3735561.40 | 544.00 544.00 544.00 544.00 544.00
544.00 544.00 544.00 468.20
3735460.03 | 544.00 544.00 544.00 544.00 544.00
544.00 544.00 466.00 468.00
3735358.66 | 544.00 544.00 544.00 544.00 544.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)				
	484824.75	484934.98	485045.21	485155.44	485265.67
485375.90	485486.13	485596.36	485706.59		
3734446.33	450.00	451.20	452.00	453.00	454.00
455.00	455.00	456.00	457.00		
3734344.96	449.50	451.00	451.90	452.00	453.00
454.00	454.00	455.10	456.00		
3734243.59	449.00	450.00	450.90	452.00	452.40
453.00	453.70	454.40	455.20		
3734142.22	448.00	449.00	450.70	451.00	452.00
452.00	452.90	453.90	454.80		
3734040.85	447.20	448.20	449.40	450.30	451.00
451.00	452.00	453.00	453.50		
3733939.48	447.00	448.00	448.10	449.10	450.00
450.10	451.00	452.00	452.10		
3733838.11	446.00	447.00	447.60	448.00	449.00
449.00	450.00	451.00	451.00		

3733736.74 | 445.00 446.00 446.90 447.40 448.00
448.00 449.00 450.00 450.00
3733635.37 | 445.00 445.20 446.00 446.50 447.00
447.80 448.00 449.00 449.90
3733534.00 | 444.00 445.00 445.00 446.00 446.00
447.00 448.00 448.40 449.00
3733432.63 | 444.00 444.30 445.00 445.00 445.20
446.20 447.60 448.40 771.00
3733331.26 | 443.40 444.00 445.00 445.00 446.00
445.80 446.40 448.00 771.00
3733229.89 | 443.00 444.00 444.80 445.00 445.00
445.00 445.80 771.00 783.00
3733128.52 | 443.00 443.00 444.00 445.00 444.30
445.00 446.00 783.00 783.00
3733027.15 | 442.00 442.80 443.00 443.90 444.00
445.00 771.00 783.00 783.00
3732925.78 | 441.70 442.00 442.90 443.00 444.00
444.00 783.00 783.00 783.00
3732824.41 | 441.00 442.00 442.00 442.00 443.00
444.00 783.00 783.00 783.00
3732723.04 | 440.80 441.00 441.00 442.00 442.10
783.00 783.00 783.00 783.00
3732621.67 | 440.00 441.00 441.00 441.00 442.00
783.00 783.00 783.00 783.00
3732520.30 | 440.00 441.00 441.00 441.50 442.00
783.00 783.00 783.00 783.00
3732418.93 | 440.00 441.00 441.00 441.80 783.00
783.00 783.00 783.00 783.00
3732317.56 | 536.00 536.00 441.00 442.00 783.00
783.00 783.00 783.00 783.00
3732216.19 | 536.00 536.00 536.00 536.00 783.00
783.00 783.00 783.00 783.00
3732114.82 | 651.00 599.00 599.00 611.00 783.00
783.00 783.00 783.00 783.00
3732013.45 | 651.00 651.00 651.00 651.00 783.00
783.00 783.00 783.00 783.00
3731912.08 | 651.00 651.00 651.00 651.00 783.00
783.00 783.00 783.00 783.00
3731810.71 | 651.00 651.00 651.00 651.00 783.00
783.00 783.00 783.00 783.00
3731709.34 | 651.00 651.00 651.00 651.00 783.00
783.00 783.00 783.00 783.00
3731607.97 | 651.00 651.00 651.00 651.00 783.00
783.00 783.00 783.00 783.00
3731506.60 | 651.00 651.00 651.00 651.00 783.00
783.00 783.00 783.00 783.00
3731405.23 | 651.00 651.00 651.00 651.00 783.00
783.00 783.00 783.00 783.00
3731303.86 | 536.00 651.00 651.00 651.00 651.00
783.00 783.00 783.00 783.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	485816.82	485927.05	486037.28	486147.51	486257.74	486367.97	486478.20	486588.43	486698.66	
3738501.13	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3738399.76	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3738298.39	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3738197.02	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3738095.65	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3737994.28	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3737892.91	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3737791.54	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3737690.17	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3737588.80	812.00	812.00	800.00	812.00	812.00	812.00	812.00	812.00	812.00	
3737487.43	812.00	811.00	800.00	800.00	812.00	812.00	812.00	812.00	812.00	
3737386.06	812.00	812.00	812.00	800.00	812.00	812.00	812.00	812.00	812.00	
3737284.69	800.00	800.00	800.00	800.00	812.00					

812.00 812.00 812.00 812.00
3737183.32 | 812.00 800.00 800.00 812.00 812.00
812.00 812.00 812.00 812.00
3737081.95 | 812.00 812.00 800.00 812.00 812.00
812.00 812.00 812.00 812.00
3736980.58 | 800.00 812.00 812.00 812.00 812.00
812.00 812.00 812.00 812.00
3736879.21 | 800.00 800.00 800.00 812.00 812.00
812.00 812.00 812.00 812.00
3736777.84 | 800.00 800.00 800.00 812.00 812.00
812.00 812.00 812.00 812.00
3736676.47 | 800.00 800.00 800.00 812.00 812.00
812.00 812.00 812.00 812.00
3736575.10 | 800.00 799.00 800.00 812.00 812.00
812.00 812.00 812.00 812.00
3736473.73 | 799.00 793.00 800.00 812.00 812.00
812.00 812.00 812.00 812.00
3736372.36 | 793.00 793.00 800.00 800.00 812.00
812.00 812.00 812.00 812.00
3736270.99 | 479.00 793.00 793.00 800.00 812.00
812.00 812.00 812.00 812.00
3736169.62 | 488.00 482.50 793.00 800.00 812.00
812.00 812.00 812.00 812.00
3736068.25 | 476.60 479.00 793.00 799.00 800.00
812.00 812.00 812.00 812.00
3735966.88 | 474.90 480.00 790.00 793.00 799.00
812.00 812.00 812.00 812.00
3735865.51 | 474.20 475.10 477.90 790.00 793.00
799.00 812.00 812.00 812.00
3735764.14 | 473.00 476.00 476.00 727.00 793.00
793.00 799.00 812.00 812.00
3735662.77 | 469.00 473.80 474.90 727.00 727.00
793.00 793.00 799.00 812.00
3735561.40 | 470.40 472.20 474.20 476.60 727.00
731.00 790.00 793.00 812.00
3735460.03 | 469.90 471.20 472.70 475.10 727.00
727.00 731.00 731.00 793.00
3735358.66 | 468.70 470.00 469.40 476.00 727.00
727.00 731.00 782.00 793.00
3735257.29 | 466.20 468.00 468.00 468.60 727.00
727.00 731.00 751.00 782.00
3735155.92 | 464.40 465.70 466.00 467.40 727.00
727.00 727.00 731.00 782.00
3735054.55 | 463.20 463.30 464.00 465.70 468.30
727.00 727.00 731.00 751.00
3734953.18 | 461.90 462.00 462.90 464.60 467.30
727.00 727.00 727.00 731.00
3734851.81 | 460.30 461.10 462.90 464.60 467.00
468.90 727.00 727.00 727.00
3734750.44 | 460.00 461.20 463.00 464.60 466.00

                                          * HILL HEIGHT SCALES IN METERS *

  3734446.33 | 458.00   459.00   460.00   461.60   463.00
  463.90   465.00   466.00   467.00
  3734344.96 | 457.00   458.10   459.60   460.40   461.20
  462.60   463.90   464.70   771.00
  3734243.59 | 456.10   457.30   458.20   459.10   460.10
  461.00   462.20   771.00   771.00
  3734142.22 | 455.50   456.00   457.00   457.40   458.90
  771.00   771.00   771.00   783.00
  3734040.85 | 454.30   455.00   456.00   456.30   771.00
  771.00   771.00   783.00   783.00
  3733939.48 | 453.10   454.00   454.90   771.00   771.00
  783.00   783.00   783.00   783.00
  3733838.11 | 452.00   453.00   771.00   771.00   783.00
  783.00   783.00   783.00   783.00
  3733736.74 | 451.00   771.00   771.00   783.00   783.00
  783.00   783.00   783.00   783.00
  3733635.37 | 451.00   771.00   783.00   783.00   783.00
  783.00   783.00   783.00   783.00
  3733534.00 | 771.00   783.00   783.00   783.00   783.00
  783.00   783.00   783.00   783.00
  3733432.63 | 783.00   783.00   783.00   783.00   783.00
  783.00   783.00   783.00   783.00
  3733331.26 | 783.00   783.00   783.00   783.00   783.00
  783.00   783.00   783.00   783.00
  3733229.89 | 783.00   783.00   783.00   783.00   783.00
  783.00   783.00   783.00   783.00

3733128.52 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3733027.15 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732925.78 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732824.41 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732723.04 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732621.67 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732520.30 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732418.93 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732317.56 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732216.19 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732114.82 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732013.45 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3731912.08 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3731810.71 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3731709.34 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3731607.97 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3731506.60 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3731405.23 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3731303.86 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3731202.49 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3731101.12 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3730999.75 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	486808.89	486919.12	487029.35	487139.58	487249.81	487360.04	487470.27	487580.50	487690.73	
3738501.13	812.00	812.00	811.00	800.00	800.00	800.00	811.00	800.00	800.00	
3738399.76	812.00	812.00	812.00	800.00	811.00	812.00	811.00	811.00	812.00	
3738298.39	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3738197.02	812.00	812.00	800.00	811.00	812.00	812.00	812.00	812.00	812.00	
3738095.65	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3737994.28	812.00	812.00	812.00	800.00	800.00	800.00	812.00	812.00	812.00	
3737892.91	812.00	812.00	812.00	811.00	800.00	800.00	812.00	812.00	812.00	
3737791.54	812.00	812.00	812.00	800.00	800.00	812.00	812.00	812.00	812.00	
3737690.17	812.00	812.00	812.00	800.00	812.00	812.00	812.00	812.00	812.00	
3737588.80	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3737487.43	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3737386.06	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3737284.69	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3737183.32	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3737081.95	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3736980.58	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3736879.21	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3736777.84	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	812.00	
3736676.47	812.00	812.00	812.00	812.00	812.00					

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  812.00       812.00       812.00       812.00
  3736575.10 |       812.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3736473.73 |       812.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3736372.36 |       812.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3736270.99 |       812.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3736169.62 |       812.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3736068.25 |       812.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3735966.88 |       812.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3735865.51 |       812.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3735764.14 |       812.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3735662.77 |       812.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3735561.40 |       812.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3735460.03 |       805.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3735358.66 |       805.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3735257.29 |       805.00       805.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3735155.92 |       782.00       805.00       805.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3735054.55 |       782.00       791.00       805.00       805.00       812.00
  812.00       812.00       812.00       812.00
  3734953.18 |       751.00       782.00       805.00       805.00       805.00
  812.00       812.00       812.00       812.00
  3734851.81 |       731.00       751.00       782.00       805.00       805.00
  805.00       805.00       805.00       812.00
  3734750.44 |       731.00       751.00       782.00       782.00       805.00
  805.00       805.00       805.00       805.00
  3734649.07 |       727.00       731.00       751.00       782.00       782.00
  805.00       805.00       805.00       805.00
  3734547.70 |       727.00       727.00       731.00       771.00       782.00
  782.00       805.00       805.00       805.00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

                                  PAGE  81
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	486808.89	486919.12	487029.35	487139.58	487249.81	487360.04	487470.27	487580.50	487690.73	
3734446.33	727.00	771.00	771.00	771.00	771.00	771.00	782.00	783.00	805.00	
3734344.96	771.00	771.00	771.00	783.00	783.00	783.00	783.00	783.00	783.00	
3734243.59	771.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	
3734142.22	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	
3734040.85	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	
3733939.48	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	
3733838.11	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	
3733736.74	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	
3733635.37	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	
3733534.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	
3733432.63	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	
3733331.26	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	
3733229.89	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	
3733128.52	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	
3733027.15	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	
3732925.78	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	
3732824.41	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	
3732723.04	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	
3732621.67	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	783.00	

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  3732520.30 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3732418.93 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3732317.56 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3732216.19 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3732114.82 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3732013.45 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3731912.08 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3731810.71 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3731709.34 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3731607.97 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3731506.60 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3731405.23 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3731303.86 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3731202.49 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3731101.12 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3730999.75 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

                                 PAGE  82
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART
***

                                              * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     487800.96    487911.19    488021.42    488131.65    488241.88
488352.11    488462.34    488572.57    488682.80
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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3738501.13 | 800.00 812.00 812.00 812.00 812.00
812.00 812.00 812.00 812.00
3738399.76 | 812.00 812.00 812.00 812.00 812.00
812.00 812.00 812.00 812.00
3738298.39 | 812.00 812.00 812.00 812.00 811.00
812.00 812.00 812.00 812.00
3738197.02 | 812.00 812.00 812.00 812.00 812.00
811.00 812.00 812.00 812.00
3738095.65 | 812.00 812.00 812.00 812.00 812.00
812.00 812.00 812.00 800.00
3737994.28 | 812.00 812.00 812.00 812.00 812.00
812.00 812.00 811.00 799.00
3737892.91 | 812.00 812.00 812.00 812.00 812.00
812.00 812.00 800.00 799.00
3737791.54 | 812.00 812.00 812.00 812.00 812.00
812.00 812.00 800.00 793.00
3737690.17 | 812.00 812.00 812.00 812.00 812.00
812.00 812.00 793.00 793.00
3737588.80 | 812.00 812.00 812.00 812.00 812.00
812.00 812.00 812.00 793.00
3737487.43 | 812.00 812.00 812.00 812.00 812.00
812.00 812.00 812.00 812.00
3737386.06 | 812.00 800.00 812.00 812.00 812.00
812.00 812.00 812.00 812.00
3737284.69 | 812.00 812.00 812.00 812.00 812.00
812.00 812.00 812.00 812.00
3737183.32 | 812.00 812.00 812.00 812.00 812.00
812.00 812.00 812.00 812.00
3737081.95 | 812.00 812.00 812.00 812.00 812.00
812.00 812.00 812.00 812.00
3736980.58 | 812.00 812.00 812.00 812.00 812.00
812.00 792.00 812.00 812.00
3736879.21 | 812.00 812.00 812.00 812.00 812.00
812.00 812.00 812.00 812.00
3736777.84 | 812.00 812.00 812.00 812.00 812.00
812.00 812.00 812.00 805.00
3736676.47 | 812.00 812.00 812.00 812.00 812.00
812.00 812.00 805.00 805.00
3736575.10 | 812.00 812.00 812.00 812.00 812.00
812.00 805.00 731.00 782.00
3736473.73 | 812.00 812.00 812.00 812.00 812.00
812.00 805.00 751.00 791.00
3736372.36 | 812.00 812.00 812.00 812.00 812.00
805.00 782.00 727.00 805.00
3736270.99 | 812.00 812.00 812.00 812.00 812.00
805.00 727.00 727.00 805.00
3736169.62 | 812.00 812.00 812.00 812.00 812.00
782.00 782.00 782.00 805.00
3736068.25 | 812.00 812.00 812.00 812.00 805.00

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  805.00       805.00       812.00       812.00
  3735966.88 |       812.00       812.00       812.00       805.00       751.00
  805.00       805.00       812.00       812.00
  3735865.51 |       812.00       812.00       812.00       791.00       727.00
  805.00       812.00       812.00       812.00
  3735764.14 |       812.00       812.00       805.00       751.00       727.00
  805.00       812.00       812.00       812.00
  3735662.77 |       812.00       812.00       805.00       782.00       751.00
  805.00       812.00       812.00       812.00
  3735561.40 |       812.00       812.00       812.00       805.00       805.00
  812.00       812.00       812.00       812.00
  3735460.03 |       812.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3735358.66 |       812.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3735257.29 |       812.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3735155.92 |       812.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3735054.55 |       812.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3734953.18 |       812.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3734851.81 |       812.00       812.00       812.00       812.00       812.00
  812.00       812.00       812.00       812.00
  3734750.44 |       805.00       805.00       805.00       805.00       807.00
  807.00       810.00       812.00       810.00
  3734649.07 |       805.00       805.00       805.00       805.00       805.00
  805.00       805.00       810.00       810.00
  3734547.70 |       805.00       805.00       805.00       805.00       805.00
  805.00       805.00       805.00       810.00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

                                 PAGE  83
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART
***

                                              * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     487800.96    487911.19    488021.42    488131.65    488241.88
488352.11    488462.34    488572.57    488682.80
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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3734446.33 | 805.00 805.00 805.00 805.00 805.00
805.00 805.00 805.00 805.00
3734344.96 | 791.00 805.00 805.00 805.00 805.00
805.00 805.00 805.00 805.00
3734243.59 | 783.00 783.00 783.00 788.00 791.00
805.00 805.00 805.00 805.00
3734142.22 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 805.00 805.00
3734040.85 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3733939.48 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3733838.11 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3733736.74 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3733635.37 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3733534.00 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3733432.63 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3733331.26 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3733229.89 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3733128.52 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3733027.15 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732925.78 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732824.41 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732723.04 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732621.67 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732520.30 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732418.93 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732317.56 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732216.19 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732114.82 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00
3732013.45 | 783.00 783.00 783.00 783.00 783.00
783.00 783.00 783.00 783.00

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  3731912.08 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       771.00       783.00
  3731810.71 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3731709.34 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3731607.97 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3731506.60 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3731405.23 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3731303.86 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3731202.49 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3731101.12 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
  3730999.75 |        783.00       783.00       783.00       783.00       783.00
  783.00       783.00       783.00       783.00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***       09:40:14

                                PAGE  84
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART
***

                                          * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                          X-COORD (METERS)
    (METERS) |     488793.03    488903.26    489013.49
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3738501.13 |        812.00       812.00       812.00
  3738399.76 |        812.00       812.00       812.00
  3738298.39 |        812.00       812.00       812.00
  3738197.02 |        812.00       812.00       812.00
  3738095.65 |        812.00       812.00       812.00
  3737994.28 |        812.00       812.00       812.00
  3737892.91 |        812.00       812.00       811.00
  3737791.54 |        812.00       812.00       812.00
  3737690.17 |        812.00       812.00       812.00
  3737588.80 |        812.00       812.00       812.00
  3737487.43 |        812.00       812.00       812.00
  3737386.06 |        812.00       812.00       812.00
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  3737284.69 |        812.00       812.00       812.00
  3737183.32 |        812.00       812.00       812.00
  3737081.95 |        812.00       805.00       805.00
  3736980.58 |        812.00       807.00       782.00
  3736879.21 |        812.00       805.00       805.00
  3736777.84 |        812.00       807.00       805.00
  3736676.47 |        805.00       805.00       805.00
  3736575.10 |        805.00       782.00       751.00
  3736473.73 |        805.00       805.00       745.00
  3736372.36 |        805.00       805.00       782.00
  3736270.99 |        805.00       805.00       805.00
  3736169.62 |        807.00       807.00       812.00
  3736068.25 |        812.00       812.00       812.00
  3735966.88 |        812.00       812.00       812.00
  3735865.51 |        812.00       812.00       805.00
  3735764.14 |        812.00       812.00       805.00
  3735662.77 |        812.00       812.00       805.00
  3735561.40 |        812.00       812.00       805.00
  3735460.03 |        812.00       812.00       810.00
  3735358.66 |        812.00       812.00       812.00
  3735257.29 |        812.00       812.00       812.00
  3735155.92 |        812.00       812.00       812.00
  3735054.55 |        812.00       812.00       812.00
  3734953.18 |        812.00       812.00       812.00
  3734851.81 |        812.00       812.00       812.00
  3734750.44 |        812.00       810.00       810.00
  3734649.07 |        810.00       810.00       810.00
  3734547.70 |        810.00       810.00       810.00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART
***

                                          * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                          X-COORD (METERS)
    (METERS) |     488793.03    488903.26    489013.49
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  3734446.33 |        805.00       805.00       810.00
  3734344.96 |        805.00       805.00       805.00
  3734243.59 |        805.00       805.00       805.00
  3734142.22 |        805.00       788.00       783.00
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3734040.85	783.00	783.00	783.00
3733939.48	783.00	783.00	783.00
3733838.11	783.00	783.00	783.00
3733736.74	783.00	783.00	783.00
3733635.37	783.00	783.00	783.00
3733534.00	783.00	783.00	783.00
3733432.63	783.00	783.00	783.00
3733331.26	783.00	783.00	783.00
3733229.89	783.00	783.00	783.00
3733128.52	783.00	783.00	783.00
3733027.15	783.00	783.00	783.00
3732925.78	783.00	783.00	783.00
3732824.41	783.00	783.00	783.00
3732723.04	783.00	783.00	783.00
3732621.67	783.00	783.00	783.00
3732520.30	783.00	783.00	783.00
3732418.93	783.00	783.00	783.00
3732317.56	783.00	783.00	783.00
3732216.19	783.00	783.00	783.00
3732114.82	783.00	783.00	783.00
3732013.45	783.00	783.00	783.00
3731912.08	783.00	783.00	783.00
3731810.71	783.00	783.00	783.00
3731709.34	783.00	783.00	783.00
3731607.97	783.00	783.00	783.00
3731506.60	783.00	783.00	783.00
3731405.23	783.00	783.00	783.00
3731303.86	783.00	783.00	783.00
3731202.49	783.00	783.00	783.00
3731101.12	783.00	783.00	783.00
3730999.75	783.00	783.00	783.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(484826.0, 3735260.9, 451.5, 544.0, 0.0); (484793.1, 3735269.6, 451.0, 544.0, 0.0);
(484728.4, 3735270.0, 450.3, 544.0, 0.0); (484929.6, 3735359.0, 454.0, 544.0, 0.0);
(484936.6, 3735635.2, 457.4, 544.0, 0.0); (484483.1, 3735669.9, 445.0, 544.0, 0.0);
(484434.8, 3735677.8, 444.0, 544.0, 0.0); (484395.0,

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3735651.9,     444.0,     544.0,       0.0);
     ( 484493.9, 3735591.9,     445.5,     544.0,       0.0);         ( 484493.8,
3735466.6,     446.5,     544.0,       0.0);
     ( 484479.7, 3735474.8,     446.0,     544.0,       0.0);         ( 484437.8,
3735470.4,     445.5,     544.0,       0.0);
     ( 484396.4, 3735279.4,     446.4,     446.4,       0.0);         ( 484435.4,
3735334.7,     446.7,     544.0,       0.0);
     ( 484479.7, 3735323.3,     447.0,     544.0,       0.0);         ( 484382.6,
3735322.7,     446.0,     544.0,       0.0);
     ( 484328.2, 3735323.0,     446.0,     446.0,       0.0);         ( 484351.8,
3735272.9,     446.0,     446.0,       0.0);
     ( 484474.4, 3735273.1,     447.0,     544.0,       0.0);         ( 484588.8,
3735264.7,     448.6,     544.0,       0.0);
     ( 484129.6, 3735241.4,     444.0,     444.0,       0.0);         ( 484873.0,
3734457.0,     451.0,     451.0,       0.0);
     ( 484847.0, 3735197.4,     451.3,     544.0,       0.0);         ( 484881.8,
3735022.3,     452.3,     452.3,       0.0);
     ( 484882.8, 3734835.3,     452.4,     452.4,       0.0);         ( 484879.1,
3734954.2,     452.3,     452.3,       0.0);
     ( 484883.9, 3734430.4,     450.7,     450.7,       0.0);         ( 484879.4,
3734401.6,     450.3,     450.3,       0.0);
     ( 484878.1, 3734380.2,     450.2,     450.2,       0.0);         ( 484883.6,
3734332.2,     450.0,     450.0,       0.0);
     ( 484871.0, 3734302.9,     450.0,     450.0,       0.0);         ( 484881.2,
3734284.8,     450.0,     450.0,       0.0);
     ( 484882.0, 3734260.6,     449.9,     449.9,       0.0);         ( 484879.9,
3734238.2,     449.4,     449.4,       0.0);
     ( 484876.3, 3734220.9,     449.1,     449.1,       0.0);         ( 484878.0,
3734198.7,     449.0,     449.0,       0.0);
     ( 484875.3, 3734179.7,     449.0,     449.0,       0.0);         ( 484880.0,
3734156.4,     449.0,     449.0,       0.0);
     ( 484884.0, 3734113.4,     448.4,     448.4,       0.0);         ( 485008.7,
3735372.2,     454.9,     544.0,       0.0);
     ( 485046.4, 3734809.6,     454.0,     454.0,       0.0);         ( 484868.4,
3733510.4,     444.0,     444.0,       0.0);
     ( 484986.1, 3733423.5,     445.0,     445.0,       0.0);         ( 484780.4,
3733325.6,     443.0,     443.0,       0.0);
     ( 485013.5, 3733200.9,     444.0,     444.0,       0.0);         ( 485040.0,
3733147.9,     444.0,     444.0,       0.0);
     ( 484554.3, 3733559.5,     442.0,     442.0,       0.0);         ( 484453.7,
3733612.4,     442.0,     442.0,       0.0);
     ( 484458.3, 3733567.6,     442.0,     442.0,       0.0);         ( 484408.3,
3733589.8,     441.8,     441.8,       0.0);
     ( 484385.5, 3733569.9,     441.0,     441.0,       0.0);         ( 484352.8,
3733589.2,     441.0,     441.0,       0.0);
     ( 484367.8, 3733607.5,     441.3,     441.3,       0.0);         ( 484937.8,
3734455.2,     451.3,     451.3,       0.0);
     ( 484959.2, 3734535.1,     452.0,     452.0,       0.0);         ( 484988.4,
3734538.9,     452.0,     452.0,       0.0);
     ( 484966.4, 3734583.7,     452.0,     452.0,       0.0);         ( 484961.5,
```

3734624.5,   452.0,   452.0,   0.0);
     (485181.1, 3733634.7,   447.0,   447.0,   0.0);

                                          *** 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,

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: PERI_V9_ADJU\PERI_v9.SFC
Met Version: 16216
Profile file: PERI_V9_ADJU\PERI_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2010 Year: 2010

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
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	0.26	0.40	188.	9.1	289.2	5.5
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70	310.	9.1	290.9	5.5
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20	357.	9.1	293.1	5.5
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20	356.	9.1	293.8	5.5
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20	50.	9.1	294.2	5.5
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61						

```
0.27    1.80   53.    9.1  293.8    5.5
 10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61
0.36    1.80   11.    9.1  292.5    5.5
 10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61
0.64    0.90  351.    9.1  290.4    5.5
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61
1.00    0.90  186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61
1.00    0.90  275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61
1.00    0.40  181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61
1.00    1.30  318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61
1.00    0.90  196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61
1.00    0.90  330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61
1.00    1.30  332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

                                 PAGE  89
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     PAREA1      , A0000001
, A0000002    , A0000003    , A0000004    ,
                 A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
                 A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                 A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
```

**

Y-COORD (METERS)	X-COORD (METERS)				
	480856.47	480966.70	481076.93	481187.16	481297.39
481407.62	481517.85	481628.08	481738.31		
3738501.13	0.00008	0.00008	0.00009	0.00009	0.00009
0.00009	0.00009	0.00010	0.00010		
3738399.76	0.00008	0.00008	0.00009	0.00009	0.00009
0.00009	0.00009	0.00010	0.00010		
3738298.39	0.00008	0.00008	0.00009	0.00009	0.00009
0.00009	0.00010	0.00010	0.00010		
3738197.02	0.00008	0.00008	0.00009	0.00009	0.00009
0.00009	0.00010	0.00010	0.00010		
3738095.65	0.00008	0.00008	0.00009	0.00009	0.00009
0.00010	0.00010	0.00010	0.00010		
3737994.28	0.00008	0.00008	0.00009	0.00009	0.00009
0.00010	0.00010	0.00010	0.00010		
3737892.91	0.00008	0.00008	0.00009	0.00009	0.00009
0.00010	0.00010	0.00010	0.00011		
3737791.54	0.00008	0.00008	0.00009	0.00009	0.00009
0.00010	0.00010	0.00010	0.00011		
3737690.17	0.00008	0.00008	0.00009	0.00009	0.00009
0.00010	0.00010	0.00010	0.00011		
3737588.80	0.00008	0.00008	0.00009	0.00009	0.00009
0.00010	0.00010	0.00010	0.00011		
3737487.43	0.00008	0.00009	0.00009	0.00009	0.00009
0.00010	0.00010	0.00010	0.00011		
3737386.06	0.00008	0.00008	0.00009	0.00009	0.00009
0.00010	0.00010	0.00010	0.00011		
3737284.69	0.00008	0.00008	0.00009	0.00009	0.00009
0.00010	0.00010	0.00010	0.00011		
3737183.32	0.00008	0.00008	0.00009	0.00009	0.00009
0.00010	0.00010	0.00010	0.00011		
3737081.95	0.00008	0.00008	0.00009	0.00009	0.00009
0.00010	0.00010	0.00010	0.00011		
3736980.58	0.00008	0.00008	0.00009	0.00009	0.00009
0.00010	0.00010	0.00010	0.00011		
3736879.21	0.00008	0.00008	0.00009	0.00009	0.00009
0.00010	0.00010	0.00010	0.00011		
3736777.84	0.00008	0.00008	0.00009	0.00009	0.00009
0.00010	0.00010	0.00010	0.00011		
3736676.47	0.00008	0.00008	0.00008	0.00009	0.00009
0.00009	0.00010	0.00010	0.00011		
3736575.10	0.00008	0.00008	0.00008	0.00009	0.00009
0.00009	0.00010	0.00010	0.00011		
3736473.73	0.00008	0.00008	0.00008	0.00009	0.00009
0.00009	0.00010	0.00010	0.00010		

 3736372.36 | 0.00008   0.00008   0.00008   0.00009   0.00009
0.00009   0.00010   0.00010   0.00010
 3736270.99 | 0.00008   0.00008   0.00009   0.00009   0.00009
0.00009   0.00010   0.00010   0.00010
 3736169.62 | 0.00008   0.00008   0.00009   0.00009   0.00009
0.00009   0.00010   0.00010   0.00010
 3736068.25 | 0.00008   0.00008   0.00009   0.00009   0.00009
0.00010   0.00010   0.00010   0.00011
 3735966.88 | 0.00008   0.00008   0.00009   0.00009   0.00009
0.00010   0.00010   0.00010   0.00011
 3735865.51 | 0.00008   0.00009   0.00009   0.00009   0.00009
0.00010   0.00010   0.00010   0.00011
 3735764.14 | 0.00008   0.00009   0.00009   0.00009   0.00009
0.00010   0.00010   0.00010   0.00011
 3735662.77 | 0.00008   0.00009   0.00009   0.00009   0.00010
0.00010   0.00010   0.00011   0.00011
 3735561.40 | 0.00008   0.00009   0.00009   0.00009   0.00010
0.00010   0.00010   0.00011   0.00011
 3735460.03 | 0.00009   0.00009   0.00009   0.00009   0.00010
0.00010   0.00010   0.00011   0.00011
 3735358.66 | 0.00009   0.00009   0.00009   0.00009   0.00010
0.00010   0.00010   0.00011   0.00011
 3735257.29 | 0.00009   0.00009   0.00009   0.00009   0.00010
0.00010   0.00010   0.00011   0.00011
 3735155.92 | 0.00009   0.00009   0.00009   0.00009   0.00010
0.00010   0.00010   0.00011   0.00011
 3735054.55 | 0.00009   0.00009   0.00009   0.00009   0.00010
0.00010   0.00010   0.00011   0.00011
 3734953.18 | 0.00008   0.00009   0.00009   0.00009   0.00010
0.00010   0.00010   0.00011   0.00011
 3734851.81 | 0.00008   0.00009   0.00009   0.00009   0.00010
0.00010   0.00010   0.00011   0.00011
 3734750.44 | 0.00008   0.00009   0.00009   0.00009   0.00009
0.00010   0.00010   0.00011   0.00011
 3734649.07 | 0.00008   0.00009   0.00009   0.00009   0.00009
0.00010   0.00010   0.00011   0.00011
 3734547.70 | 0.00008   0.00009   0.00009   0.00009   0.00010
0.00010   0.00010   0.00011   0.00011

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   PAREA1   , A0000001
, A0000002   , A0000003   , A0000004   ,

```
                A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
                A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     480856.47    480966.70    481076.93    481187.16    481297.39
481407.62    481517.85    481628.08    481738.31
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3734446.33 |       0.00008      0.00009      0.00009      0.00009      0.00010
 0.00010      0.00010      0.00011      0.00011
  3734344.96 |       0.00008      0.00009      0.00009      0.00009      0.00009
 0.00010      0.00010      0.00011      0.00011
  3734243.59 |       0.00008      0.00009      0.00009      0.00009      0.00009
 0.00010      0.00010      0.00010      0.00011
  3734142.22 |       0.00008      0.00009      0.00009      0.00009      0.00009
 0.00010      0.00010      0.00010      0.00011
  3734040.85 |       0.00008      0.00009      0.00009      0.00009      0.00009
 0.00010      0.00010      0.00010      0.00011
  3733939.48 |       0.00008      0.00009      0.00009      0.00009      0.00009
 0.00010      0.00010      0.00010      0.00011
  3733838.11 |       0.00008      0.00008      0.00009      0.00009      0.00009
 0.00010      0.00010      0.00010      0.00011
  3733736.74 |       0.00008      0.00008      0.00009      0.00009      0.00009
 0.00010      0.00010      0.00010      0.00011
  3733635.37 |       0.00008      0.00008      0.00009      0.00009      0.00009
 0.00010      0.00010      0.00010      0.00011
  3733534.00 |       0.00008      0.00008      0.00009      0.00009      0.00009
 0.00009      0.00010      0.00010      0.00010
  3733432.63 |       0.00008      0.00008      0.00009      0.00009      0.00009
 0.00009      0.00010      0.00010      0.00010
  3733331.26 |       0.00008      0.00008      0.00009      0.00009      0.00009
 0.00009      0.00010      0.00010      0.00010
  3733229.89 |       0.00008      0.00008      0.00009      0.00009      0.00009
 0.00009      0.00009      0.00010      0.00010
  3733128.52 |       0.00008      0.00008      0.00008      0.00009      0.00009
 0.00009      0.00009      0.00009      0.00010
  3733027.15 |       0.00008      0.00008      0.00008      0.00009      0.00009
 0.00009      0.00009      0.00009      0.00009
  3732925.78 |       0.00008      0.00008      0.00008      0.00008      0.00009
```

```
 0.00009      0.00009      0.00009      0.00009
  3732824.41 |       0.00008      0.00008      0.00008      0.00008      0.00008
 0.00008      0.00009      0.00009      0.00009
  3732723.04 |       0.00008      0.00008      0.00008      0.00008      0.00008
 0.00008      0.00008      0.00008      0.00008
  3732621.67 |       0.00007      0.00008      0.00008      0.00008      0.00008
 0.00008      0.00008      0.00008      0.00008
  3732520.30 |       0.00007      0.00007      0.00008      0.00008      0.00008
 0.00008      0.00008      0.00008      0.00008
  3732418.93 |       0.00007      0.00007      0.00007      0.00007      0.00008
 0.00008      0.00008      0.00008      0.00008
  3732317.56 |       0.00007      0.00007      0.00007      0.00007      0.00007
 0.00007      0.00008      0.00008      0.00008
  3732216.19 |       0.00007      0.00007      0.00007      0.00007      0.00007
 0.00007      0.00007      0.00008      0.00008
  3732114.82 |       0.00007      0.00007      0.00007      0.00007      0.00007
 0.00007      0.00007      0.00007      0.00008
  3732013.45 |       0.00007      0.00007      0.00007      0.00007      0.00007
 0.00007      0.00007      0.00007      0.00007
  3731912.08 |       0.00006      0.00006      0.00007      0.00007      0.00007
 0.00007      0.00007      0.00007      0.00007
  3731810.71 |       0.00006      0.00006      0.00006      0.00007      0.00007
 0.00007      0.00007      0.00007      0.00007
  3731709.34 |       0.00006      0.00006      0.00006      0.00006      0.00007
 0.00007      0.00007      0.00007      0.00007
  3731607.97 |       0.00006      0.00006      0.00006      0.00006      0.00007
 0.00007      0.00007      0.00007      0.00007
  3731506.60 |       0.00006      0.00006      0.00006      0.00006      0.00006
 0.00007      0.00007      0.00007      0.00007
  3731405.23 |       0.00006      0.00006      0.00006      0.00006      0.00006
 0.00006      0.00007      0.00007      0.00007
  3731303.86 |       0.00006      0.00006      0.00006      0.00006      0.00006
 0.00006      0.00006      0.00006      0.00007
  3731202.49 |       0.00006      0.00006      0.00006      0.00006      0.00006
 0.00006      0.00006      0.00006      0.00006
  3731101.12 |       0.00006      0.00006      0.00006      0.00006      0.00006
 0.00006      0.00006      0.00006      0.00006
  3730999.75 |       0.00006      0.00006      0.00006      0.00006      0.00006
 0.00006      0.00006      0.00006      0.00006
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                  PAGE  91
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     PAREA1      , A0000001
```

```
, A0000002    , A0000003    , A0000004    ,
                A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
                A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     481848.54    481958.77    482069.00    482179.23    482289.46
482399.69    482509.92    482620.15    482730.38
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3738501.13 |       0.00010      0.00011      0.00011      0.00012      0.00012
 0.00013      0.00013      0.00014      0.00014
  3738399.76 |       0.00010      0.00011      0.00011      0.00012      0.00012
 0.00013      0.00013      0.00014      0.00015
  3738298.39 |       0.00010      0.00011      0.00011      0.00012      0.00012
 0.00013      0.00013      0.00014      0.00015
  3738197.02 |       0.00010      0.00011      0.00011      0.00012      0.00012
 0.00013      0.00013      0.00014      0.00015
  3738095.65 |       0.00011      0.00011      0.00011      0.00012      0.00012
 0.00013      0.00013      0.00014      0.00015
  3737994.28 |       0.00011      0.00011      0.00011      0.00012      0.00012
 0.00013      0.00013      0.00014      0.00015
  3737892.91 |       0.00011      0.00011      0.00012      0.00012      0.00012
 0.00013      0.00013      0.00014      0.00015
  3737791.54 |       0.00011      0.00011      0.00012      0.00012      0.00012
 0.00013      0.00014      0.00014      0.00015
  3737690.17 |       0.00011      0.00011      0.00012      0.00012      0.00013
 0.00013      0.00014      0.00014      0.00015
  3737588.80 |       0.00011      0.00012      0.00012      0.00012      0.00013
 0.00013      0.00014      0.00014      0.00015
  3737487.43 |       0.00011      0.00012      0.00012      0.00013      0.00013
 0.00013      0.00014      0.00015      0.00015
  3737386.06 |       0.00011      0.00012      0.00012      0.00013      0.00013
 0.00014      0.00014      0.00015      0.00015
  3737284.69 |       0.00011      0.00012      0.00012      0.00013      0.00013
 0.00014      0.00014      0.00015      0.00016
  3737183.32 |       0.00011      0.00012      0.00012      0.00013      0.00013
 0.00014      0.00015      0.00015      0.00016
  3737081.95 |       0.00011      0.00012      0.00012      0.00013      0.00013
 0.00014      0.00015      0.00015      0.00016
```

 3736980.58 | 0.00011   0.00012   0.00012   0.00013   0.00013
0.00014   0.00015   0.00016   0.00016
 3736879.21 | 0.00011   0.00012   0.00012   0.00013   0.00013
0.00014   0.00015   0.00016   0.00016
 3736777.84 | 0.00011   0.00012   0.00012   0.00013   0.00013
0.00014   0.00015   0.00016   0.00017
 3736676.47 | 0.00011   0.00012   0.00012   0.00013   0.00013
0.00014   0.00015   0.00016   0.00017
 3736575.10 | 0.00011   0.00012   0.00012   0.00013   0.00013
0.00014   0.00015   0.00016   0.00017
 3736473.73 | 0.00011   0.00011   0.00012   0.00013   0.00013
0.00014   0.00015   0.00016   0.00017
 3736372.36 | 0.00011   0.00011   0.00012   0.00012   0.00013
0.00014   0.00015   0.00015   0.00017
 3736270.99 | 0.00011   0.00011   0.00012   0.00012   0.00013
0.00014   0.00014   0.00015   0.00016
 3736169.62 | 0.00011   0.00011   0.00012   0.00012   0.00013
0.00014   0.00014   0.00015   0.00016
 3736068.25 | 0.00011   0.00011   0.00012   0.00012   0.00013
0.00014   0.00014   0.00015   0.00016
 3735966.88 | 0.00011   0.00012   0.00012   0.00013   0.00013
0.00014   0.00014   0.00015   0.00016
 3735865.51 | 0.00011   0.00012   0.00012   0.00013   0.00013
0.00014   0.00014   0.00015   0.00016
 3735764.14 | 0.00011   0.00012   0.00012   0.00013   0.00013
0.00014   0.00015   0.00015   0.00016
 3735662.77 | 0.00011   0.00012   0.00012   0.00013   0.00013
0.00014   0.00015   0.00016   0.00017
 3735561.40 | 0.00011   0.00012   0.00012   0.00013   0.00014
0.00014   0.00015   0.00016   0.00017
 3735460.03 | 0.00012   0.00012   0.00013   0.00013   0.00014
0.00014   0.00015   0.00016   0.00017
 3735358.66 | 0.00012   0.00012   0.00013   0.00013   0.00014
0.00014   0.00015   0.00016   0.00017
 3735257.29 | 0.00012   0.00012   0.00013   0.00013   0.00014
0.00014   0.00015   0.00016   0.00017
 3735155.92 | 0.00012   0.00012   0.00013   0.00013   0.00014
0.00014   0.00015   0.00016   0.00017
 3735054.55 | 0.00011   0.00012   0.00012   0.00013   0.00014
0.00014   0.00015   0.00016   0.00017
 3734953.18 | 0.00011   0.00012   0.00012   0.00013   0.00014
0.00014   0.00015   0.00016   0.00017
 3734851.81 | 0.00011   0.00012   0.00012   0.00013   0.00014
0.00014   0.00015   0.00016   0.00017
 3734750.44 | 0.00011   0.00012   0.00012   0.00013   0.00014
0.00014   0.00015   0.00016   0.00017
 3734649.07 | 0.00011   0.00012   0.00012   0.00013   0.00014
0.00014   0.00015   0.00016   0.00017
 3734547.70 | 0.00011   0.00012   0.00012   0.00013   0.00014
0.00014   0.00015   0.00016   0.00017

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 , A0000808 , A0000772 , A0000773 , A0000774 , A0000775 , A0000782 , A0000783 , A0000784 , A0000785 , A0000786 , A0000787 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	481848.54	481958.77	482069.00	482179.23	482289.46	482399.69	482509.92	482620.15	482730.38
3734446.33	0.00011	0.00012	0.00012	0.00013	0.00013	0.00014	0.00015	0.00016	0.00017
3734344.96	0.00011	0.00012	0.00012	0.00013	0.00013	0.00014	0.00015	0.00016	0.00016
3734243.59	0.00011	0.00012	0.00012	0.00013	0.00013	0.00014	0.00015	0.00016	0.00016
3734142.22	0.00011	0.00012	0.00012	0.00013	0.00013	0.00014	0.00015	0.00015	0.00016
3734040.85	0.00011	0.00012	0.00012	0.00013	0.00013	0.00014	0.00014	0.00015	0.00015
3733939.48	0.00011	0.00012	0.00012	0.00013	0.00013	0.00014	0.00014	0.00015	0.00015
3733838.11	0.00011	0.00012	0.00012	0.00012	0.00013	0.00013	0.00014	0.00014	0.00014
3733736.74	0.00011	0.00011	0.00012	0.00012	0.00013	0.00013	0.00014	0.00014	0.00014
3733635.37	0.00011	0.00011	0.00012	0.00012	0.00013	0.00014	0.00014	0.00014	0.00014
3733534.00	0.00011	0.00011	0.00011	0.00012	0.00012				

0.00018 0.00012 0.00013 0.00013
3733432.63 | 0.00011 0.00011 0.00011 0.00011 0.00012
0.00016 0.00012 0.00012 0.00012
3733331.26 | 0.00010 0.00010 0.00011 0.00011 0.00011
0.00012 0.00012 0.00012 0.00012
3733229.89 | 0.00010 0.00010 0.00010 0.00010 0.00011
0.00011 0.00011 0.00011 0.00012
3733128.52 | 0.00010 0.00010 0.00010 0.00010 0.00010
0.00011 0.00011 0.00011 0.00011
3733027.15 | 0.00009 0.00010 0.00010 0.00010 0.00010
0.00010 0.00011 0.00011 0.00011
3732925.78 | 0.00009 0.00009 0.00009 0.00010 0.00010
0.00010 0.00010 0.00010 0.00011
3732824.41 | 0.00009 0.00009 0.00009 0.00009 0.00010
0.00010 0.00010 0.00010 0.00010
3732723.04 | 0.00009 0.00009 0.00009 0.00009 0.00009
0.00010 0.00010 0.00010 0.00010
3732621.67 | 0.00008 0.00009 0.00009 0.00009 0.00009
0.00009 0.00009 0.00010 0.00010
3732520.30 | 0.00008 0.00008 0.00009 0.00009 0.00009
0.00009 0.00009 0.00009 0.00009
3732418.93 | 0.00008 0.00008 0.00008 0.00009 0.00009
0.00009 0.00009 0.00009 0.00009
3732317.56 | 0.00008 0.00008 0.00008 0.00008 0.00009
0.00009 0.00009 0.00009 0.00009
3732216.19 | 0.00008 0.00008 0.00008 0.00008 0.00008
0.00008 0.00008 0.00009 0.00009
3732114.82 | 0.00008 0.00008 0.00008 0.00008 0.00008
0.00008 0.00008 0.00008 0.00008
3732013.45 | 0.00008 0.00008 0.00008 0.00008 0.00008
0.00008 0.00008 0.00008 0.00008
3731912.08 | 0.00007 0.00008 0.00008 0.00008 0.00008
0.00008 0.00008 0.00008 0.00008
3731810.71 | 0.00007 0.00007 0.00007 0.00007 0.00008
0.00008 0.00008 0.00008 0.00008
3731709.34 | 0.00007 0.00007 0.00007 0.00007 0.00007
0.00007 0.00008 0.00008 0.00008
3731607.97 | 0.00007 0.00007 0.00007 0.00007 0.00007
0.00007 0.00007 0.00007 0.00008
3731506.60 | 0.00007 0.00007 0.00007 0.00007 0.00007
0.00007 0.00007 0.00007 0.00007
3731405.23 | 0.00007 0.00007 0.00007 0.00007 0.00007
0.00007 0.00007 0.00007 0.00007
3731303.86 | 0.00007 0.00007 0.00007 0.00007 0.00007
0.00007 0.00007 0.00007 0.00007
3731202.49 | 0.00006 0.00006 0.00007 0.00007 0.00007
0.00007 0.00007 0.00007 0.00007
3731101.12 | 0.00006 0.00006 0.00006 0.00006 0.00007
0.00007 0.00007 0.00007 0.00007
3730999.75 | 0.00006 0.00006 0.00006 0.00006 0.00006

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , A0000001 , A0000002 , A0000003 , A0000004 ,
A0000005 , A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 ,
A0000013 , A0000014 , A0000015 , A0000016 , A0000808 , A0000772 , A0000773 , A0000774 ,
A0000775 , A0000782 , A0000783 , A0000784 , A0000785 , A0000786 , A0000787 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	482840.61	482950.84	483061.07	483171.30	483281.53	483391.76	483501.99	483612.22	483722.45
3738501.13	0.00015	0.00016	0.00016	0.00017	0.00017	0.00017	0.00018	0.00018	0.00018
3738399.76	0.00015	0.00016	0.00016	0.00017	0.00017	0.00018	0.00018	0.00019	0.00019
3738298.39	0.00015	0.00016	0.00017	0.00017	0.00018	0.00018	0.00019	0.00019	0.00020
3738197.02	0.00016	0.00016	0.00017	0.00018	0.00018	0.00019	0.00019	0.00020	0.00020
3738095.65	0.00016	0.00017	0.00017	0.00018	0.00019	0.00019	0.00020	0.00020	0.00021
3737994.28	0.00016	0.00017	0.00018	0.00018	0.00019	0.00020	0.00021	0.00021	0.00022
3737892.91	0.00016	0.00017	0.00018	0.00019	0.00020	0.00020	0.00021	0.00022	0.00023
3737791.54	0.00016	0.00017	0.00018	0.00019	0.00020	0.00021	0.00022	0.00023	0.00023
3737690.17	0.00016	0.00017	0.00018	0.00019	0.00020	0.00021	0.00022	0.00023	0.00024

 3737588.80 | 0.00016   0.00017   0.00018   0.00019   0.00021
0.00022   0.00023   0.00024   0.00025
 3737487.43 | 0.00016   0.00017   0.00018   0.00020   0.00021
0.00022   0.00024   0.00025   0.00026
 3737386.06 | 0.00016   0.00017   0.00018   0.00020   0.00021
0.00023   0.00024   0.00026   0.00027
 3737284.69 | 0.00016   0.00017   0.00018   0.00020   0.00021
0.00023   0.00025   0.00026   0.00028
 3737183.32 | 0.00017   0.00017   0.00018   0.00020   0.00021
0.00023   0.00025   0.00027   0.00029
 3737081.95 | 0.00017   0.00018   0.00019   0.00020   0.00021
0.00023   0.00025   0.00028   0.00030
 3736980.58 | 0.00017   0.00018   0.00019   0.00020   0.00022
0.00023   0.00026   0.00028   0.00031
 3736879.21 | 0.00017   0.00018   0.00019   0.00021   0.00022
0.00024   0.00026   0.00028   0.00031
 3736777.84 | 0.00018   0.00019   0.00020   0.00021   0.00022
0.00024   0.00026   0.00029   0.00032
 3736676.47 | 0.00018   0.00019   0.00020   0.00021   0.00023
0.00024   0.00026   0.00029   0.00032
 3736575.10 | 0.00018   0.00019   0.00020   0.00022   0.00023
0.00025   0.00027   0.00029   0.00033
 3736473.73 | 0.00018   0.00019   0.00020   0.00022   0.00024
0.00025   0.00028   0.00030   0.00033
 3736372.36 | 0.00018   0.00019   0.00020   0.00022   0.00024
0.00026   0.00028   0.00031   0.00034
 3736270.99 | 0.00017   0.00019   0.00020   0.00022   0.00024
0.00026   0.00029   0.00031   0.00035
 3736169.62 | 0.00017   0.00019   0.00020   0.00022   0.00024
0.00026   0.00029   0.00032   0.00036
 3736068.25 | 0.00017   0.00018   0.00020   0.00021   0.00023
0.00026   0.00029   0.00032   0.00036
 3735966.88 | 0.00017   0.00018   0.00020   0.00021   0.00023
0.00025   0.00028   0.00032   0.00036
 3735865.51 | 0.00017   0.00018   0.00020   0.00021   0.00023
0.00025   0.00028   0.00031   0.00036
 3735764.14 | 0.00017   0.00018   0.00020   0.00021   0.00023
0.00025   0.00028   0.00031   0.00035
 3735662.77 | 0.00018   0.00019   0.00020   0.00022   0.00023
0.00026   0.00028   0.00031   0.00036
 3735561.40 | 0.00018   0.00019   0.00020   0.00022   0.00024
0.00026   0.00029   0.00032   0.00036
 3735460.03 | 0.00018   0.00019   0.00021   0.00022   0.00024
0.00026   0.00029   0.00032   0.00037
 3735358.66 | 0.00018   0.00019   0.00021   0.00022   0.00024
0.00026   0.00029   0.00033   0.00037
 3735257.29 | 0.00018   0.00019   0.00021   0.00022   0.00024
0.00026   0.00029   0.00033   0.00037
 3735155.92 | 0.00018   0.00019   0.00021   0.00022   0.00024
0.00026   0.00029   0.00033   0.00037

                              *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   PAREA1   , A0000001
, A0000002   , A0000003   , A0000004   ,
                  A0000005   , A0000006   , A0000007   , A0000008   , A0000009
, A0000010   , A0000011   , A0000012   ,
                  A0000013   , A0000014   , A0000015   , A0000016   , A0000808
, A0000772   , A0000773   , A0000774   ,
                  A0000775   , A0000782   , A0000783   , A0000784   , A0000785
, A0000786   , A0000787   , . . .   ,

                                  *** NETWORK ID: UCART1   ; NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

    Y-COORD | X-COORD (METERS)
    (METERS) | 482840.61   482950.84   483061.07   483171.30   483281.53
483391.76   483501.99   483612.22   483722.45
 -
- -

  3734446.33 | 0.00018   0.00019   0.00020   0.00021   0.00022
 0.00023   0.00024   0.00025   0.00026
  3734344.96 | 0.00017   0.00018   0.00019   0.00020   0.00021
 0.00022   0.00023   0.00023   0.00025
  3734243.59 | 0.00017   0.00018   0.00019   0.00019   0.00020
 0.00020   0.00021   0.00022   0.00023
  3734142.22 | 0.00017   0.00017   0.00018   0.00018   0.00019

0.00019 0.00020 0.00021 0.00022
3734040.85 | 0.00016 0.00016 0.00017 0.00017 0.00018
0.00018 0.00019 0.00020 0.00020
3733939.48 | 0.00015 0.00016 0.00016 0.00016 0.00017
0.00018 0.00018 0.00019 0.00019
3733838.11 | 0.00015 0.00015 0.00015 0.00016 0.00016
0.00017 0.00017 0.00018 0.00018
3733736.74 | 0.00014 0.00015 0.00015 0.00016 0.00016
0.00017 0.00017 0.00017 0.00018
3733635.37 | 0.00015 0.00015 0.00016 0.00016 0.00016
0.00017 0.00017 0.00018 0.00018
3733534.00 | 0.00013 0.00014 0.00014 0.00014 0.00015
0.00015 0.00015 0.00016 0.00016
3733432.63 | 0.00013 0.00013 0.00013 0.00014 0.00014
0.00014 0.00015 0.00015 0.00015
3733331.26 | 0.00012 0.00013 0.00013 0.00013 0.00013
0.00014 0.00014 0.00014 0.00014
3733229.89 | 0.00012 0.00012 0.00012 0.00013 0.00013
0.00013 0.00013 0.00014 0.00014
3733128.52 | 0.00012 0.00012 0.00012 0.00012 0.00012
0.00013 0.00013 0.00013 0.00013
3733027.15 | 0.00011 0.00011 0.00012 0.00012 0.00012
0.00012 0.00012 0.00012 0.00013
3732925.78 | 0.00011 0.00011 0.00011 0.00011 0.00012
0.00012 0.00012 0.00012 0.00012
3732824.41 | 0.00010 0.00011 0.00011 0.00011 0.00011
0.00011 0.00011 0.00012 0.00012
3732723.04 | 0.00010 0.00010 0.00010 0.00011 0.00011
0.00011 0.00011 0.00011 0.00011
3732621.67 | 0.00010 0.00010 0.00010 0.00010 0.00010
0.00011 0.00011 0.00011 0.00011
3732520.30 | 0.00010 0.00010 0.00010 0.00010 0.00010
0.00010 0.00010 0.00010 0.00010
3732418.93 | 0.00009 0.00009 0.00010 0.00010 0.00010
0.00010 0.00010 0.00010 0.00010
3732317.56 | 0.00009 0.00009 0.00009 0.00009 0.00009
0.00010 0.00010 0.00010 0.00010
3732216.19 | 0.00009 0.00009 0.00009 0.00009 0.00009
0.00009 0.00009 0.00009 0.00009
3732114.82 | 0.00009 0.00009 0.00009 0.00009 0.00009
0.00009 0.00009 0.00009 0.00009
3732013.45 | 0.00008 0.00008 0.00009 0.00009 0.00009
0.00009 0.00009 0.00009 0.00009
3731912.08 | 0.00008 0.00008 0.00008 0.00008 0.00008
0.00008 0.00008 0.00009 0.00009
3731810.71 | 0.00008 0.00008 0.00008 0.00008 0.00008
0.00008 0.00008 0.00008 0.00008
3731709.34 | 0.00008 0.00008 0.00008 0.00008 0.00008
0.00008 0.00008 0.00008 0.00008
3731607.97 | 0.00008 0.00008 0.00008 0.00008 0.00008

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , A0000001 , A0000002 , A0000003 , A0000004 ,
A0000005 , A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 ,
A0000013 , A0000014 , A0000015 , A0000016 , A0000808 , A0000772 , A0000773 , A0000774 ,
A0000775 , A0000782 , A0000783 , A0000784 , A0000785 , A0000786 , A0000787 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)									
	483832.68	483942.91	484053.14	484163.37	484273.60	484383.83	484494.06	484604.29	484714.52	
3738501.13	0.00019	0.00019	0.00020	0.00020	0.00020	0.00020	0.00019	0.00019	0.00019	
3738399.76	0.00020	0.00020	0.00020	0.00021	0.00021	0.00021	0.00020	0.00020	0.00019	
3738298.39	0.00020	0.00021	0.00021	0.00021	0.00022	0.00021	0.00021	0.00021	0.00020	

 3738197.02 | 0.00021   0.00021   0.00022   0.00022   0.00022
0.00022   0.00022   0.00022   0.00021
 3738095.65 | 0.00022   0.00022   0.00023   0.00023   0.00023
0.00023   0.00023   0.00023   0.00022
 3737994.28 | 0.00022   0.00023   0.00024   0.00024   0.00024
0.00024   0.00024   0.00024   0.00023
 3737892.91 | 0.00023   0.00024   0.00025   0.00025   0.00026
0.00026   0.00025   0.00025   0.00024
 3737791.54 | 0.00024   0.00025   0.00026   0.00026   0.00027
0.00027   0.00027   0.00026   0.00025
 3737690.17 | 0.00025   0.00026   0.00027   0.00028   0.00028
0.00028   0.00028   0.00028   0.00027
 3737588.80 | 0.00026   0.00027   0.00028   0.00029   0.00030
0.00030   0.00030   0.00029   0.00028
 3737487.43 | 0.00027   0.00028   0.00029   0.00030   0.00031
0.00032   0.00032   0.00031   0.00030
 3737386.06 | 0.00028   0.00030   0.00031   0.00032   0.00033
0.00034   0.00034   0.00033   0.00032
 3737284.69 | 0.00030   0.00031   0.00032   0.00034   0.00035
0.00036   0.00036   0.00035   0.00034
 3737183.32 | 0.00031   0.00033   0.00034   0.00036   0.00037
0.00038   0.00038   0.00038   0.00037
 3737081.95 | 0.00032   0.00034   0.00036   0.00038   0.00039
0.00041   0.00041   0.00041   0.00039
 3736980.58 | 0.00033   0.00036   0.00038   0.00040   0.00042
0.00044   0.00045   0.00044   0.00043
 3736879.21 | 0.00034   0.00037   0.00040   0.00043   0.00045
0.00047   0.00048   0.00048   0.00047
 3736777.84 | 0.00035   0.00039   0.00043   0.00046   0.00049
0.00051   0.00053   0.00053   0.00051
 3736676.47 | 0.00036   0.00041   0.00045   0.00049   0.00053
0.00056   0.00058   0.00059   0.00057
 3736575.10 | 0.00037   0.00042   0.00047   0.00052   0.00057
0.00062   0.00065   0.00066   0.00064
 3736473.73 | 0.00038   0.00043   0.00049   0.00056   0.00063
0.00069   0.00073   0.00075   0.00072
 3736372.36 | 0.00038   0.00044   0.00051   0.00060   0.00069
0.00077   0.00084   0.00087   0.00084
 3736270.99 | 0.00039   0.00045   0.00053   0.00063   0.00075
0.00088   0.00098   0.00103   0.00100
 3736169.62 | 0.00040   0.00047   0.00055   0.00067   0.00082
0.00100   0.00116   0.00125   0.00122
 3736068.25 | 0.00041   0.00048   0.00057   0.00070   0.00089
0.00115   0.00142   0.00159   0.00157
 3735966.88 | 0.00042   0.00049   0.00059   0.00074   0.00097
0.00134   0.00180   0.00214   0.00216
 3735865.51 | 0.00042   0.00049   0.00060   0.00077   0.00105
0.00158   0.00246   0.00322   0.00332
 3735764.14 | 0.00041   0.00049   0.00061   0.00079   0.00113
0.00188   0.00393   0.00626   0.00646

```
 3735662.77 |       0.00041      0.00049      0.00061      0.00081      0.00119
0.00219      0.00834      0.02327      0.02341
 3735561.40 |       0.00042      0.00050      0.00062      0.00083      0.00125
0.00247      0.01047      0.02983      0.03069
 3735460.03 |       0.00042      0.00051      0.00063      0.00085      0.00130
0.00251      0.01065      0.02997      0.03116
 3735358.66 |       0.00043      0.00052      0.00065      0.00087      0.00128
0.00229      0.00890      0.02536      0.02684
 3735257.29 |       0.00043      0.00052      0.00065      0.00085      0.00119
0.00188      0.00362      0.00710      0.00839
 3735155.92 |       0.00044      0.00052      0.00063      0.00079      0.00103
0.00139      0.00196      0.00288      0.00359
 3735054.55 |       0.00043      0.00050      0.00059      0.00070      0.00085
0.00103      0.00129      0.00166      0.00204
 3734953.18 |       0.00042      0.00047      0.00053      0.00061      0.00069
0.00080      0.00094      0.00113      0.00134
 3734851.81 |       0.00039      0.00043      0.00047      0.00052      0.00058
0.00065      0.00074      0.00085      0.00097
 3734750.44 |       0.00036      0.00039      0.00042      0.00045      0.00050
0.00054      0.00060      0.00067      0.00075
 3734649.07 |       0.00033      0.00035      0.00037      0.00040      0.00043
0.00047      0.00051      0.00056      0.00061
 3734547.70 |       0.00030      0.00032      0.00034      0.00036      0.00038
0.00041      0.00044      0.00047      0.00052
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

                                 PAGE  96
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     PAREA1      , A0000001
, A0000002    , A0000003    , A0000004    ,
                  A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
                  A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                  A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

    Y-COORD  |                                              X-COORD (METERS)
```

(METERS)	483832.68	483942.91	484053.14	484163.37	484273.60	484383.83	484494.06	484604.29	484714.52
3734446.33	0.00028	0.00029	0.00031	0.00032	0.00034	0.00036	0.00038	0.00041	0.00044
3734344.96	0.00026	0.00027	0.00028	0.00030	0.00031	0.00032	0.00034	0.00036	0.00039
3734243.59	0.00024	0.00025	0.00026	0.00027	0.00028	0.00029	0.00031	0.00032	0.00035
3734142.22	0.00022	0.00023	0.00024	0.00025	0.00026	0.00027	0.00028	0.00029	0.00031
3734040.85	0.00021	0.00022	0.00023	0.00023	0.00024	0.00024	0.00025	0.00027	0.00028
3733939.48	0.00020	0.00021	0.00021	0.00022	0.00022	0.00023	0.00023	0.00025	0.00026
3733838.11	0.00019	0.00019	0.00020	0.00020	0.00021	0.00021	0.00022	0.00023	0.00024
3733736.74	0.00018	0.00019	0.00019	0.00019	0.00020	0.00020	0.00020	0.00021	0.00022
3733635.37	0.00018	0.00019	0.00019	0.00020	0.00022	0.00019	0.00019	0.00020	0.00021
3733534.00	0.00016	0.00017	0.00017	0.00017	0.00018	0.00023	0.00018	0.00019	0.00019
3733432.63	0.00015	0.00016	0.00016	0.00016	0.00016	0.00017	0.00019	0.00018	0.00018
3733331.26	0.00015	0.00015	0.00015	0.00015	0.00015	0.00016	0.00016	0.00018	0.00019
3733229.89	0.00014	0.00014	0.00014	0.00014	0.00014	0.00015	0.00015	0.00016	0.00017
3733128.52	0.00013	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00015	0.00015
3733027.15	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00014	0.00014	0.00015
3732925.78	0.00012	0.00012	0.00012	0.00012	0.00012	0.00013	0.00013	0.00013	0.00014
3732824.41	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00013	0.00013	0.00013
3732723.04	0.00011	0.00011	0.00011	0.00011	0.00011	0.00012	0.00012	0.00012	0.00013
3732621.67	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00012	0.00012	0.00012
3732520.30	0.00011	0.00011	0.00010	0.00010	0.00011	0.00011	0.00011	0.00011	0.00011
3732418.93	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00011	0.00011	0.00011
3732317.56	0.00010	0.00010	0.00010	0.00009	0.00010	0.00010	0.00010	0.00010	0.00011
3732216.19	0.00009	0.00009	0.00009	0.00009	0.00009				

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   PAREA1   , A0000001
, A0000002   , A0000003   , A0000004   ,
                  A0000005   , A0000006   , A0000007   , A0000008   , A0000009
, A0000010   , A0000011   , A0000012   ,
                  A0000013   , A0000014   , A0000015   , A0000016   , A0000808
, A0000772   , A0000773   , A0000774   ,
                  A0000775   , A0000782   , A0000783   , A0000784   , A0000785
, A0000786   , A0000787   , . . .   ,

                                  *** NETWORK ID: UCART1   ; NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

Y-COORD (METERS)	X-COORD (METERS)									
	484824.75	484934.98	485045.21	485155.44	485265.67	485375.90	485486.13	485596.36	485706.59	
3738501.13	0.00018	0.00018	0.00017	0.00016	0.00015	0.00015	0.00014	0.00014	0.00013	
3738399.76	0.00019	0.00018	0.00017	0.00017	0.00016	0.00015	0.00015	0.00014	0.00013	
3738298.39	0.00020	0.00019	0.00018	0.00017	0.00016	0.00016	0.00015	0.00014	0.00014	
3738197.02	0.00020	0.00020	0.00019	0.00018	0.00017	0.00016	0.00016	0.00015	0.00014	
3738095.65	0.00021	0.00020	0.00020	0.00019	0.00018	0.00017	0.00016	0.00015	0.00014	
3737994.28	0.00022	0.00021	0.00020	0.00019	0.00018	0.00017	0.00016	0.00016	0.00014	
3737892.91	0.00023	0.00022	0.00021	0.00020	0.00019	0.00018	0.00017	0.00016	0.00015	
3737791.54	0.00025	0.00023	0.00022	0.00021	0.00020	0.00019	0.00018	0.00016	0.00015	
3737690.17	0.00026	0.00025	0.00023	0.00022	0.00021	0.00019	0.00018	0.00017	0.00015	
3737588.80	0.00027	0.00026	0.00024	0.00023	0.00021	0.00020	0.00019	0.00017	0.00016	
3737487.43	0.00029	0.00027	0.00026	0.00024	0.00022	0.00021	0.00019	0.00018	0.00016	
3737386.06	0.00031	0.00029	0.00027	0.00025	0.00024	0.00022	0.00020	0.00018	0.00016	
3737284.69	0.00033	0.00031	0.00029	0.00027	0.00025	0.00023	0.00021	0.00019	0.00017	
3737183.32	0.00035	0.00033	0.00030	0.00028	0.00026	0.00024	0.00021	0.00019	0.00017	
3737081.95	0.00037	0.00035	0.00032	0.00030	0.00027	0.00025	0.00022	0.00019	0.00017	
3736980.58	0.00040	0.00038	0.00035	0.00032	0.00029	0.00026	0.00023	0.00020	0.00015	
3736879.21	0.00044	0.00041	0.00037	0.00034	0.00030	0.00027	0.00023	0.00020	0.00015	
3736777.84	0.00048	0.00044	0.00040	0.00036	0.00031	0.00028	0.00024	0.00021	0.00017	
3736676.47	0.00053	0.00048	0.00043	0.00038	0.00033	0.00029	0.00025	0.00021	0.00018	
3736575.10	0.00059	0.00053	0.00047	0.00041	0.00035	0.00030	0.00025	0.00021	0.00018	
3736473.73	0.00067	0.00060	0.00052	0.00044	0.00037	0.00031	0.00026	0.00021	0.00018	
3736372.36	0.00077	0.00067	0.00056	0.00047	0.00039	0.00031	0.00026	0.00021	0.00017	

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  3736270.99 |       0.00090      0.00076      0.00060      0.00048      0.00039
 0.00032      0.00025      0.00021      0.00017
  3736169.62 |       0.00108      0.00085      0.00058      0.00048      0.00039
 0.00031      0.00025      0.00020      0.00017
  3736068.25 |       0.00136      0.00090      0.00061      0.00051      0.00039
 0.00030      0.00024      0.00020      0.00016
  3735966.88 |       0.00184      0.00120      0.00076      0.00057      0.00041
 0.00030      0.00023      0.00018      0.00015
  3735865.51 |       0.00277      0.00178      0.00100      0.00060      0.00040
 0.00029      0.00022      0.00017      0.00014
  3735764.14 |       0.00541      0.00271      0.00101      0.00059      0.00038
 0.00027      0.00020      0.00016      0.00013
  3735662.77 |       0.02149      0.00499      0.00114      0.00058      0.00036
 0.00025      0.00019      0.00015      0.00012
  3735561.40 |       0.02859      0.00759      0.00138      0.00061      0.00036
 0.00025      0.00019      0.00015      0.00012
  3735460.03 |       0.02920      0.00805      0.00167      0.00070      0.00041
 0.00028      0.00021      0.00016      0.00013
  3735358.66 |       0.02562      0.00727      0.00192      0.00085      0.00048
 0.00032      0.00023      0.00018      0.00015
  3735257.29 |       0.00800      0.00509      0.00203      0.00099      0.00056
 0.00037      0.00027      0.00021      0.00017
  3735155.92 |       0.00363      0.00302      0.00187      0.00106      0.00063
 0.00042      0.00030      0.00023      0.00018
  3735054.55 |       0.00219      0.00204      0.00155      0.00104      0.00067
 0.00045      0.00032      0.00024      0.00019
  3734953.18 |       0.00148      0.00148      0.00125      0.00096      0.00068
 0.00048      0.00035      0.00026      0.00021
  3734851.81 |       0.00108      0.00112      0.00102      0.00085      0.00066
 0.00049      0.00037      0.00028      0.00022
  3734750.44 |       0.00083      0.00088      0.00083      0.00075      0.00062
 0.00049      0.00038      0.00030      0.00024
  3734649.07 |       0.00067      0.00072      0.00069      0.00065      0.00057
 0.00048      0.00039      0.00031      0.00025
  3734547.70 |       0.00056      0.00060      0.00059      0.00057      0.00052
 0.00046      0.00038      0.00031      0.00026
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

                                 PAGE  98
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     PAREA1      , A0000001
, A0000002    , A0000003    , A0000004    ,
                A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
```

A0000013 , A0000014 , A0000015 , A0000016 , A0000808
, A0000772 , A0000773 , A0000774 ,
A0000775 , A0000782 , A0000783 , A0000784 , A0000785
, A0000786 , A0000787 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

Y-COORD (METERS)	X-COORD (METERS)									
	484824.75	484934.98	485045.21	485155.44	485265.67	485375.90	485486.13	485596.36	485706.59	
3734446.33	0.00048	0.00051	0.00050	0.00049	0.00047	0.00043	0.00037	0.00031	0.00026	
3734344.96	0.00042	0.00045	0.00044	0.00044	0.00042	0.00040	0.00036	0.00031	0.00027	
3734243.59	0.00037	0.00039	0.00039	0.00039	0.00038	0.00037	0.00034	0.00030	0.00026	
3734142.22	0.00033	0.00035	0.00034	0.00035	0.00035	0.00034	0.00032	0.00029	0.00026	
3734040.85	0.00030	0.00032	0.00031	0.00031	0.00031	0.00031	0.00030	0.00028	0.00025	
3733939.48	0.00028	0.00030	0.00028	0.00028	0.00029	0.00029	0.00028	0.00027	0.00025	
3733838.11	0.00025	0.00027	0.00026	0.00026	0.00026	0.00027	0.00026	0.00025	0.00024	
3733736.74	0.00024	0.00027	0.00026	0.00026	0.00026	0.00026	0.00026	0.00024	0.00023	
3733635.37	0.00022	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00023	0.00022	
3733534.00	0.00020	0.00022	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	
3733432.63	0.00019	0.00021	0.00020	0.00020	0.00019	0.00020	0.00020	0.00020	0.00020	
3733331.26	0.00018	0.00019	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	
3733229.89	0.00022	0.00018	0.00017	0.00017	0.00017	0.00017	0.00017	0.00017	0.00017	
3733128.52	0.00016	0.00017	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	
3733027.15	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	
3732925.78	0.00014	0.00014	0.00015	0.00015	0.00015	0.00014	0.00014	0.00014	0.00015	
3732824.41	0.00013	0.00014	0.00014	0.00014	0.00014					

```
 0.00014      0.00014      0.00014      0.00014
  3732723.04 |       0.00013      0.00013      0.00013      0.00013      0.00013
 0.00013      0.00013      0.00013      0.00013
  3732621.67 |       0.00012      0.00012      0.00013      0.00013      0.00013
 0.00013      0.00012      0.00012      0.00013
  3732520.30 |       0.00012      0.00012      0.00012      0.00012      0.00012
 0.00012      0.00012      0.00012      0.00012
  3732418.93 |       0.00011      0.00011      0.00012      0.00012      0.00012
 0.00012      0.00011      0.00011      0.00011
  3732317.56 |       0.00011      0.00011      0.00011      0.00011      0.00011
 0.00011      0.00011      0.00011      0.00011
  3732216.19 |       0.00010      0.00011      0.00011      0.00011      0.00011
 0.00011      0.00011      0.00011      0.00010
  3732114.82 |       0.00010      0.00010      0.00010      0.00010      0.00010
 0.00010      0.00010      0.00010      0.00010
  3732013.45 |       0.00010      0.00010      0.00010      0.00010      0.00010
 0.00010      0.00010      0.00010      0.00010
  3731912.08 |       0.00009      0.00009      0.00010      0.00010      0.00010
 0.00010      0.00010      0.00009      0.00009
  3731810.71 |       0.00009      0.00009      0.00009      0.00009      0.00009
 0.00009      0.00009      0.00009      0.00009
  3731709.34 |       0.00009      0.00009      0.00009      0.00009      0.00009
 0.00009      0.00009      0.00009      0.00009
  3731607.97 |       0.00008      0.00008      0.00009      0.00009      0.00009
 0.00009      0.00009      0.00009      0.00009
  3731506.60 |       0.00008      0.00008      0.00008      0.00009      0.00009
 0.00009      0.00009      0.00008      0.00008
  3731405.23 |       0.00007      0.00008      0.00008      0.00008      0.00008
 0.00008      0.00008      0.00008      0.00008
  3731303.86 |       0.00007      0.00008      0.00008      0.00008      0.00008
 0.00008      0.00008      0.00008      0.00008
  3731202.49 |       0.00007      0.00007      0.00008      0.00008      0.00008
 0.00008      0.00008      0.00008      0.00008
  3731101.12 |       0.00007      0.00007      0.00007      0.00008      0.00008
 0.00008      0.00008      0.00008      0.00007
  3730999.75 |       0.00007      0.00007      0.00007      0.00007      0.00007
 0.00007      0.00007      0.00007      0.00007
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                  PAGE  99
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     PAREA1      , A0000001
, A0000002    , A0000003    , A0000004    ,
                A0000005    , A0000006    , A0000007    , A0000008    , A0000009
```

```
, A0000010    , A0000011    , A0000012    ,
                A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     485816.82    485927.05    486037.28    486147.51    486257.74
486367.97    486478.20    486588.43    486698.66
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  3738501.13 |       0.00012      0.00011      0.00011      0.00010      0.00009
 0.00009      0.00008      0.00007      0.00007
  3738399.76 |       0.00012      0.00012      0.00011      0.00010      0.00010
 0.00009      0.00008      0.00007      0.00007
  3738298.39 |       0.00013      0.00012      0.00011      0.00010      0.00010
 0.00009      0.00008      0.00007      0.00007
  3738197.02 |       0.00013      0.00012      0.00011      0.00010      0.00010
 0.00009      0.00008      0.00008      0.00007
  3738095.65 |       0.00013      0.00012      0.00011      0.00011      0.00010
 0.00009      0.00008      0.00007      0.00007
  3737994.28 |       0.00013      0.00012      0.00012      0.00011      0.00010
 0.00009      0.00008      0.00007      0.00006
  3737892.91 |       0.00014      0.00013      0.00012      0.00011      0.00010
 0.00009      0.00008      0.00007      0.00006
  3737791.54 |       0.00014      0.00012      0.00012      0.00011      0.00010
 0.00009      0.00008      0.00007      0.00006
  3737690.17 |       0.00014      0.00013      0.00012      0.00011      0.00010
 0.00009      0.00008      0.00007      0.00006
  3737588.80 |       0.00014      0.00013      0.00011      0.00010      0.00009
 0.00009      0.00007      0.00007      0.00006
  3737487.43 |       0.00015      0.00013      0.00011      0.00010      0.00009
 0.00008      0.00007      0.00007      0.00006
  3737386.06 |       0.00015      0.00013      0.00012      0.00010      0.00009
 0.00008      0.00007      0.00006      0.00006
  3737284.69 |       0.00015      0.00013      0.00011      0.00010      0.00009
 0.00008      0.00007      0.00006      0.00006
  3737183.32 |       0.00015      0.00013      0.00011      0.00010      0.00009
 0.00008      0.00007      0.00006      0.00006
  3737081.95 |       0.00016      0.00013      0.00011      0.00009      0.00009
 0.00008      0.00007      0.00006      0.00006
  3736980.58 |       0.00015      0.00013      0.00011      0.00010      0.00009
 0.00008      0.00007      0.00006      0.00005
```

 3736879.21 | 0.00015   0.00013   0.00011   0.00010   0.00009
0.00008   0.00006   0.00006   0.00005
 3736777.84 | 0.00015   0.00013   0.00011   0.00010   0.00009
0.00008   0.00007   0.00006   0.00005
 3736676.47 | 0.00015   0.00012   0.00011   0.00010   0.00009
0.00008   0.00007   0.00006   0.00005
 3736575.10 | 0.00015   0.00012   0.00011   0.00010   0.00009
0.00007   0.00007   0.00006   0.00005
 3736473.73 | 0.00015   0.00012   0.00011   0.00010   0.00008
0.00007   0.00007   0.00006   0.00005
 3736372.36 | 0.00015   0.00012   0.00011   0.00009   0.00008
0.00007   0.00006   0.00006   0.00005
 3736270.99 | 0.00015   0.00012   0.00010   0.00009   0.00008
0.00007   0.00006   0.00005   0.00005
 3736169.62 | 0.00014   0.00012   0.00010   0.00009   0.00008
0.00007   0.00006   0.00005   0.00005
 3736068.25 | 0.00013   0.00011   0.00010   0.00008   0.00007
0.00006   0.00006   0.00005   0.00005
 3735966.88 | 0.00012   0.00010   0.00009   0.00008   0.00007
0.00006   0.00005   0.00005   0.00004
 3735865.51 | 0.00011   0.00010   0.00008   0.00007   0.00006
0.00006   0.00005   0.00005   0.00004
 3735764.14 | 0.00011   0.00009   0.00008   0.00007   0.00006
0.00006   0.00005   0.00005   0.00004
 3735662.77 | 0.00011   0.00009   0.00008   0.00007   0.00006
0.00006   0.00005   0.00005   0.00004
 3735561.40 | 0.00011   0.00009   0.00008   0.00007   0.00006
0.00006   0.00005   0.00005   0.00004
 3735460.03 | 0.00011   0.00010   0.00008   0.00007   0.00006
0.00006   0.00005   0.00005   0.00004
 3735358.66 | 0.00012   0.00010   0.00009   0.00008   0.00007
0.00006   0.00006   0.00005   0.00005
 3735257.29 | 0.00014   0.00012   0.00010   0.00009   0.00008
0.00007   0.00006   0.00006   0.00005
 3735155.92 | 0.00015   0.00013   0.00011   0.00010   0.00008
0.00008   0.00007   0.00006   0.00006
 3735054.55 | 0.00016   0.00014   0.00012   0.00010   0.00009
0.00008   0.00007   0.00007   0.00006
 3734953.18 | 0.00017   0.00014   0.00012   0.00011   0.00009
0.00008   0.00008   0.00007   0.00006
 3734851.81 | 0.00018   0.00015   0.00013   0.00011   0.00010
0.00009   0.00008   0.00007   0.00007
 3734750.44 | 0.00019   0.00016   0.00013   0.00011   0.00010
0.00009   0.00008   0.00007   0.00007
 3734649.07 | 0.00020   0.00017   0.00014   0.00012   0.00010
0.00009   0.00008   0.00007   0.00007
 3734547.70 | 0.00021   0.00018   0.00015   0.00013   0.00011
0.00010   0.00009   0.00008   0.00007

                             *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   PAREA1   , A0000001
, A0000002   , A0000003   , A0000004   ,
                  A0000005   , A0000006   , A0000007   , A0000008   , A0000009
, A0000010   , A0000011   , A0000012   ,
                  A0000013   , A0000014   , A0000015   , A0000016   , A0000808
, A0000772   , A0000773   , A0000774   ,
                  A0000775   , A0000782   , A0000783   , A0000784   , A0000785
, A0000786   , A0000787   , . . .   ,

                                   *** NETWORK ID: UCART1   ; NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

    Y-COORD | X-COORD (METERS)
    (METERS) | 485816.82   485927.05   486037.28   486147.51   486257.74
486367.97   486478.20   486588.43   486698.66
 -
- -

  3734446.33 | 0.00022   0.00018   0.00016   0.00013   0.00012
 0.00010   0.00009   0.00008   0.00007
  3734344.96 | 0.00022   0.00019   0.00016   0.00014   0.00012
 0.00011   0.00009   0.00008   0.00008
  3734243.59 | 0.00023   0.00020   0.00017   0.00014   0.00013
 0.00011   0.00010   0.00009   0.00008
  3734142.22 | 0.00023   0.00020   0.00017   0.00015   0.00013
 0.00012   0.00010   0.00009   0.00008
  3734040.85 | 0.00023   0.00020   0.00018   0.00015   0.00013
 0.00012   0.00011   0.00009   0.00009
  3733939.48 | 0.00022   0.00020   0.00018   0.00016   0.00014
 0.00012   0.00011   0.00010   0.00009
  3733838.11 | 0.00022   0.00020   0.00018   0.00016   0.00014
 0.00013   0.00011   0.00010   0.00009
  3733736.74 | 0.00021   0.00019   0.00018   0.00016   0.00014
 0.00013   0.00011   0.00010   0.00009
  3733635.37 | 0.00020   0.00019   0.00017   0.00016   0.00014
 0.00013   0.00012   0.00011   0.00009
  3733534.00 | 0.00020   0.00018   0.00017   0.00016   0.00014
 0.00013   0.00012   0.00011   0.00010
  3733432.63 | 0.00019   0.00018   0.00017   0.00016   0.00014

```
0.00013      0.00012      0.00011      0.00010
 3733331.26 |       0.00018      0.00017      0.00016      0.00015      0.00014
0.00013      0.00012      0.00011      0.00010
 3733229.89 |       0.00017      0.00017      0.00016      0.00015      0.00014
0.00013      0.00012      0.00011      0.00010
 3733128.52 |       0.00016      0.00016      0.00015      0.00015      0.00014
0.00013      0.00012      0.00011      0.00010
 3733027.15 |       0.00016      0.00015      0.00015      0.00014      0.00013
0.00013      0.00012      0.00011      0.00010
 3732925.78 |       0.00015      0.00015      0.00014      0.00014      0.00013
0.00012      0.00012      0.00011      0.00010
 3732824.41 |       0.00014      0.00014      0.00014      0.00013      0.00013
0.00012      0.00012      0.00011      0.00010
 3732723.04 |       0.00013      0.00013      0.00013      0.00013      0.00013
0.00012      0.00011      0.00011      0.00010
 3732621.67 |       0.00013      0.00013      0.00013      0.00013      0.00012
0.00012      0.00011      0.00011      0.00010
 3732520.30 |       0.00012      0.00012      0.00012      0.00012      0.00012
0.00012      0.00011      0.00011      0.00010
 3732418.93 |       0.00012      0.00012      0.00012      0.00012      0.00012
0.00011      0.00011      0.00010      0.00010
 3732317.56 |       0.00011      0.00011      0.00011      0.00011      0.00011
0.00011      0.00011      0.00010      0.00010
 3732216.19 |       0.00011      0.00011      0.00011      0.00011      0.00011
0.00011      0.00010      0.00010      0.00010
 3732114.82 |       0.00010      0.00010      0.00010      0.00010      0.00010
0.00010      0.00010      0.00010      0.00010
 3732013.45 |       0.00010      0.00010      0.00010      0.00010      0.00010
0.00010      0.00010      0.00010      0.00009
 3731912.08 |       0.00009      0.00009      0.00010      0.00010      0.00010
0.00010      0.00010      0.00009      0.00009
 3731810.71 |       0.00009      0.00009      0.00009      0.00009      0.00009
0.00009      0.00009      0.00009      0.00009
 3731709.34 |       0.00009      0.00009      0.00009      0.00009      0.00009
0.00009      0.00009      0.00009      0.00009
 3731607.97 |       0.00009      0.00009      0.00009      0.00009      0.00009
0.00009      0.00009      0.00009      0.00009
 3731506.60 |       0.00008      0.00008      0.00008      0.00008      0.00008
0.00009      0.00009      0.00009      0.00008
 3731405.23 |       0.00008      0.00008      0.00008      0.00008      0.00008
0.00008      0.00008      0.00008      0.00008
 3731303.86 |       0.00008      0.00008      0.00008      0.00008      0.00008
0.00008      0.00008      0.00008      0.00008
 3731202.49 |       0.00008      0.00008      0.00008      0.00008      0.00008
0.00008      0.00008      0.00008      0.00008
 3731101.12 |       0.00007      0.00007      0.00007      0.00007      0.00007
0.00008      0.00008      0.00008      0.00008
 3730999.75 |       0.00007      0.00007      0.00007      0.00007      0.00007
0.00007      0.00007      0.00007      0.00007
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                             *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   PAREA1   , A0000001
, A0000002   , A0000003   , A0000004   ,
                A0000005   , A0000006   , A0000007   , A0000008   , A0000009
, A0000010   , A0000011   , A0000012   ,
                A0000013   , A0000014   , A0000015   , A0000016   , A0000808
, A0000772   , A0000773   , A0000774   ,
                A0000775   , A0000782   , A0000783   , A0000784   , A0000785
, A0000786   , A0000787   , . . .   ,

                                 *** NETWORK ID: UCART1   ; NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

    Y-COORD | X-COORD (METERS)
    (METERS) | 486808.89   486919.12   487029.35   487139.58   487249.81
487360.04   487470.27   487580.50   487690.73
 -
- -

  3738501.13 | 0.00006   0.00006   0.00005   0.00005   0.00004
 0.00004   0.00004   0.00003   0.00003
  3738399.76 | 0.00006   0.00006   0.00005   0.00005   0.00004
 0.00004   0.00004   0.00003   0.00003
  3738298.39 | 0.00006   0.00006   0.00005   0.00005   0.00004
 0.00004   0.00004   0.00003   0.00003
  3738197.02 | 0.00006   0.00005   0.00005   0.00004   0.00004
 0.00004   0.00004   0.00003   0.00003
  3738095.65 | 0.00006   0.00005   0.00005   0.00004   0.00004
 0.00004   0.00004   0.00003   0.00003
  3737994.28 | 0.00006   0.00005   0.00005   0.00004   0.00004
 0.00004   0.00003   0.00003   0.00003
  3737892.91 | 0.00006   0.00005   0.00005   0.00004   0.00004
 0.00004   0.00003   0.00003   0.00003
  3737791.54 | 0.00006   0.00005   0.00005   0.00004   0.00004
 0.00004   0.00003   0.00003   0.00003
  3737690.17 | 0.00005   0.00005   0.00004   0.00004   0.00004
 0.00004   0.00003   0.00003   0.00003
  3737588.80 | 0.00005   0.00005   0.00004   0.00004   0.00004
 0.00004   0.00003   0.00003   0.00003

 3737487.43 | 0.00005   0.00005   0.00004   0.00004   0.00004
0.00003   0.00003   0.00003   0.00003
 3737386.06 | 0.00005   0.00005   0.00004   0.00004   0.00004
0.00003   0.00003   0.00003   0.00003
 3737284.69 | 0.00005   0.00005   0.00004   0.00004   0.00004
0.00003   0.00003   0.00003   0.00003
 3737183.32 | 0.00005   0.00005   0.00004   0.00004   0.00003
0.00003   0.00003   0.00003   0.00003
 3737081.95 | 0.00005   0.00004   0.00004   0.00004   0.00003
0.00003   0.00003   0.00003   0.00003
 3736980.58 | 0.00005   0.00004   0.00004   0.00004   0.00003
0.00003   0.00003   0.00003   0.00003
 3736879.21 | 0.00005   0.00005   0.00004   0.00004   0.00003
0.00003   0.00003   0.00003   0.00003
 3736777.84 | 0.00005   0.00004   0.00004   0.00004   0.00003
0.00003   0.00003   0.00003   0.00003
 3736676.47 | 0.00005   0.00004   0.00004   0.00004   0.00003
0.00003   0.00003   0.00003   0.00003
 3736575.10 | 0.00005   0.00004   0.00004   0.00004   0.00003
0.00003   0.00003   0.00003   0.00003
 3736473.73 | 0.00005   0.00004   0.00004   0.00004   0.00003
0.00003   0.00003   0.00003   0.00002
 3736372.36 | 0.00004   0.00004   0.00004   0.00003   0.00003
0.00003   0.00003   0.00003   0.00002
 3736270.99 | 0.00004   0.00004   0.00004   0.00003   0.00003
0.00003   0.00003   0.00003   0.00002
 3736169.62 | 0.00004   0.00004   0.00003   0.00003   0.00003
0.00003   0.00003   0.00002   0.00002
 3736068.25 | 0.00004   0.00004   0.00003   0.00003   0.00003
0.00003   0.00003   0.00002   0.00002
 3735966.88 | 0.00004   0.00004   0.00003   0.00003   0.00003
0.00003   0.00003   0.00003   0.00002
 3735865.51 | 0.00004   0.00004   0.00003   0.00003   0.00003
0.00003   0.00003   0.00003   0.00002
 3735764.14 | 0.00004   0.00004   0.00003   0.00003   0.00003
0.00003   0.00003   0.00003   0.00003
 3735662.77 | 0.00004   0.00004   0.00004   0.00003   0.00003
0.00003   0.00003   0.00003   0.00003
 3735561.40 | 0.00004   0.00004   0.00004   0.00003   0.00003
0.00003   0.00003   0.00003   0.00003
 3735460.03 | 0.00004   0.00004   0.00004   0.00003   0.00003
0.00003   0.00003   0.00003   0.00002
 3735358.66 | 0.00004   0.00004   0.00004   0.00003   0.00003
0.00003   0.00003   0.00003   0.00002
 3735257.29 | 0.00005   0.00004   0.00004   0.00004   0.00003
0.00003   0.00003   0.00003   0.00003
 3735155.92 | 0.00005   0.00005   0.00004   0.00004   0.00004
0.00003   0.00003   0.00003   0.00003
 3735054.55 | 0.00005   0.00005   0.00005   0.00004   0.00004
0.00004   0.00003   0.00003   0.00003

 3734446.33 | 0.00007   0.00006   0.00006   0.00005   0.00005
0.00005   0.00004   0.00004   0.00004
 3734344.96 | 0.00007   0.00006   0.00006   0.00005   0.00005
0.00005   0.00004   0.00004   0.00004
 3734243.59 | 0.00007   0.00006   0.00006   0.00005   0.00005
0.00005   0.00004   0.00004   0.00004
 3734142.22 | 0.00007   0.00007   0.00006   0.00006   0.00005
0.00005   0.00004   0.00004   0.00004
 3734040.85 | 0.00008   0.00007   0.00006   0.00006   0.00005

0.00005 0.00005 0.00004 0.00004
3733939.48 | 0.00008 0.00007 0.00007 0.00006 0.00006
0.00005 0.00005 0.00004 0.00004
3733838.11 | 0.00008 0.00008 0.00007 0.00006 0.00006
0.00005 0.00005 0.00005 0.00004
3733736.74 | 0.00008 0.00008 0.00007 0.00007 0.00006
0.00006 0.00005 0.00005 0.00004
3733635.37 | 0.00009 0.00008 0.00007 0.00007 0.00006
0.00006 0.00005 0.00005 0.00005
3733534.00 | 0.00009 0.00008 0.00007 0.00007 0.00006
0.00006 0.00005 0.00005 0.00005
3733432.63 | 0.00009 0.00008 0.00008 0.00007 0.00006
0.00006 0.00006 0.00005 0.00005
3733331.26 | 0.00009 0.00008 0.00008 0.00007 0.00007
0.00006 0.00006 0.00005 0.00005
3733229.89 | 0.00009 0.00009 0.00008 0.00007 0.00007
0.00006 0.00006 0.00005 0.00005
3733128.52 | 0.00010 0.00009 0.00008 0.00007 0.00007
0.00006 0.00006 0.00006 0.00005
3733027.15 | 0.00010 0.00009 0.00008 0.00008 0.00007
0.00006 0.00006 0.00006 0.00005
3732925.78 | 0.00010 0.00009 0.00008 0.00008 0.00007
0.00007 0.00006 0.00006 0.00005
3732824.41 | 0.00010 0.00009 0.00008 0.00008 0.00007
0.00007 0.00006 0.00006 0.00005
3732723.04 | 0.00010 0.00009 0.00008 0.00008 0.00007
0.00007 0.00006 0.00006 0.00006
3732621.67 | 0.00010 0.00009 0.00008 0.00008 0.00007
0.00007 0.00006 0.00006 0.00006
3732520.30 | 0.00009 0.00009 0.00008 0.00008 0.00008
0.00007 0.00007 0.00006 0.00006
3732418.93 | 0.00009 0.00009 0.00008 0.00008 0.00008
0.00007 0.00007 0.00006 0.00006
3732317.56 | 0.00009 0.00009 0.00008 0.00008 0.00008
0.00007 0.00007 0.00006 0.00006
3732216.19 | 0.00009 0.00009 0.00008 0.00008 0.00008
0.00007 0.00007 0.00006 0.00006
3732114.82 | 0.00009 0.00009 0.00008 0.00008 0.00008
0.00007 0.00007 0.00006 0.00006
3732013.45 | 0.00009 0.00009 0.00008 0.00008 0.00008
0.00007 0.00007 0.00007 0.00006
3731912.08 | 0.00009 0.00009 0.00008 0.00008 0.00007
0.00007 0.00007 0.00007 0.00006
3731810.71 | 0.00009 0.00008 0.00008 0.00008 0.00007
0.00007 0.00007 0.00007 0.00006
3731709.34 | 0.00009 0.00008 0.00008 0.00008 0.00007
0.00007 0.00007 0.00006 0.00006
3731607.97 | 0.00009 0.00008 0.00008 0.00008 0.00007
0.00007 0.00007 0.00006 0.00006
3731506.60 | 0.00008 0.00008 0.00008 0.00008 0.00007

                              *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   PAREA1   , A0000001
, A0000002   , A0000003   , A0000004   ,
                  A0000005   , A0000006   , A0000007   , A0000008   , A0000009
, A0000010   , A0000011   , A0000012   ,
                  A0000013   , A0000014   , A0000015   , A0000016   , A0000808
, A0000772   , A0000773   , A0000774   ,
                  A0000775   , A0000782   , A0000783   , A0000784   , A0000785
, A0000786   , A0000787   , . . .   ,

                                  *** NETWORK ID: UCART1   ; NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

    Y-COORD | X-COORD (METERS)
    (METERS) | 487800.96   487911.19   488021.42   488131.65   488241.88
488352.11   488462.34   488572.57   488682.80
 -
- -

  3738501.13 | 0.00003   0.00003   0.00003   0.00003   0.00003
 0.00002   0.00002   0.00002   0.00002
  3738399.76 | 0.00003   0.00003   0.00003   0.00003   0.00002
 0.00002   0.00002   0.00002   0.00002
  3738298.39 | 0.00003   0.00003   0.00003   0.00002   0.00002
 0.00002   0.00002   0.00002   0.00002
  3738197.02 | 0.00003   0.00003   0.00003   0.00002   0.00002
 0.00002   0.00002   0.00002   0.00002

 3738095.65 | 0.00003   0.00003   0.00003   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3737994.28 | 0.00003   0.00003   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3737892.91 | 0.00003   0.00003   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3737791.54 | 0.00003   0.00003   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3737690.17 | 0.00003   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3737588.80 | 0.00003   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3737487.43 | 0.00003   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3737386.06 | 0.00002   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3737284.69 | 0.00003   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3737183.32 | 0.00003   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3737081.95 | 0.00002   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3736980.58 | 0.00002   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3736879.21 | 0.00002   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3736777.84 | 0.00002   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3736676.47 | 0.00002   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3736575.10 | 0.00002   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00001   0.00001
 3736473.73 | 0.00002   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00001   0.00001
 3736372.36 | 0.00002   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00001   0.00001
 3736270.99 | 0.00002   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00001   0.00001
 3736169.62 | 0.00002   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00001   0.00001
 3736068.25 | 0.00002   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3735966.88 | 0.00002   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3735865.51 | 0.00002   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3735764.14 | 0.00002   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002
 3735662.77 | 0.00002   0.00002   0.00002   0.00002   0.00002
0.00002   0.00002   0.00002   0.00002

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  3735561.40 |       0.00002      0.00002      0.00002      0.00002      0.00002
 0.00002      0.00002      0.00002      0.00002
  3735460.03 |       0.00002      0.00002      0.00002      0.00002      0.00002
 0.00002      0.00002      0.00002      0.00002
  3735358.66 |       0.00002      0.00002      0.00002      0.00002      0.00002
 0.00002      0.00002      0.00002      0.00002
  3735257.29 |       0.00002      0.00002      0.00002      0.00002      0.00002
 0.00002      0.00002      0.00002      0.00002
  3735155.92 |       0.00003      0.00002      0.00002      0.00002      0.00002
 0.00002      0.00002      0.00002      0.00002
  3735054.55 |       0.00003      0.00003      0.00002      0.00002      0.00002
 0.00002      0.00002      0.00002      0.00002
  3734953.18 |       0.00003      0.00003      0.00003      0.00002      0.00002
 0.00002      0.00002      0.00002      0.00002
  3734851.81 |       0.00003      0.00003      0.00003      0.00002      0.00002
 0.00002      0.00002      0.00002      0.00002
  3734750.44 |       0.00003      0.00003      0.00003      0.00003      0.00002
 0.00002      0.00002      0.00002      0.00002
  3734649.07 |       0.00003      0.00003      0.00003      0.00003      0.00003
 0.00002      0.00002      0.00002      0.00002
  3734547.70 |       0.00003      0.00003      0.00003      0.00003      0.00003
 0.00002      0.00002      0.00002      0.00002
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***       09:40:14

                                  PAGE 104
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     PAREA1      , A0000001
, A0000002    , A0000003    , A0000004    ,
                A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
                A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     487800.96    487911.19    488021.42    488131.65    488241.88
488352.11    488462.34    488572.57    488682.80
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 - - -
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 , A0000808 , A0000772 , A0000773 , A0000774 , A0000775 , A0000782 , A0000783 , A0000784 , A0000785 , A0000786 , A0000787 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)
	488793.03 488903.26 489013.49

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 - - -
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*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 , A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 , A0000808 , A0000772 , A0000773 , A0000774 , A0000775 , A0000782 , A0000783 , A0000784 , A0000785 , A0000786 , A0000787 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)		
	488793.03	488903.26	489013.49
3734446.33	0.00002	0.00002	0.00002
3734344.96	0.00002	0.00002	0.00002
3734243.59	0.00002	0.00002	0.00002
3734142.22	0.00002	0.00002	0.00002
3734040.85	0.00003	0.00002	0.00002
3733939.48	0.00003	0.00002	0.00002
3733838.11	0.00003	0.00002	0.00002
3733736.74	0.00003	0.00002	0.00002
3733635.37	0.00003	0.00002	0.00002
3733534.00	0.00003	0.00003	0.00002
3733432.63	0.00003	0.00003	0.00002
3733331.26	0.00003	0.00003	0.00003
3733229.89	0.00003	0.00003	0.00003
3733128.52	0.00003	0.00003	0.00003
3733027.15	0.00003	0.00003	0.00003
3732925.78	0.00003	0.00003	0.00003
3732824.41	0.00003	0.00003	0.00003
3732723.04	0.00003	0.00003	0.00003
3732621.67	0.00003	0.00003	0.00003
3732520.30	0.00003	0.00003	0.00003
3732418.93	0.00003	0.00003	0.00003
3732317.56	0.00003	0.00003	0.00003
3732216.19	0.00003	0.00003	0.00003
3732114.82	0.00003	0.00003	0.00003
3732013.45	0.00003	0.00003	0.00003
3731912.08	0.00003	0.00003	0.00003
3731810.71	0.00003	0.00003	0.00003

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   PAREA1   , A0000001
, A0000002   , A0000003   , A0000004   ,
                A0000005   , A0000006   , A0000007   , A0000008   , A0000009
, A0000010   , A0000011   , A0000012   ,
                A0000013   , A0000014   , A0000015   , A0000016   , A0000808
, A0000772   , A0000773   , A0000774   ,
                A0000775   , A0000782   , A0000783   , A0000784   , A0000785
, A0000786   , A0000787   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         484826.05   3735260.94   0.00832   484793.13
3735269.60   0.00959
         484728.42   3735270.02   0.00979   484929.59
3735358.99   0.00813
         484936.60   3735635.23   0.00578   484483.11
3735669.95   0.00630
         484434.75   3735677.80   0.00323   484394.96
3735651.90   0.00241
         484493.92   3735591.88   0.01009   484493.81
3735466.59   0.01061
         484479.67   3735474.83   0.00777   484437.77
3735470.44   0.00419
         484396.38   3735279.40   0.00213   484435.36

```
3735334.74        0.00327
         484479.67    3735323.33        0.00530                    484382.56
3735322.69        0.00215
         484328.22    3735323.01        0.00160                    484351.83
3735272.92        0.00167
         484474.38    3735273.12        0.00351                    484588.80
3735264.67        0.00739
         484129.57    3735241.40        0.00077                    484873.01
3734457.01        0.00050
         484847.00    3735197.36        0.00460                    484881.78
3735022.30        0.00191
         484882.85    3734835.35        0.00107                    484879.10
3734954.17        0.00151
         484883.92    3734430.42        0.00049                    484879.39
3734401.64        0.00047
         484878.06    3734380.20        0.00046                    484883.57
3734332.21        0.00044
         484871.04    3734302.89        0.00041                    484881.17
3734284.76        0.00041
         484881.99    3734260.62        0.00040                    484879.90
3734238.22        0.00039
         484876.32    3734220.89        0.00038                    484878.05
3734198.74        0.00037
         484875.35    3734179.67        0.00036                    484879.98
3734156.37        0.00036
         484884.02    3734113.42        0.00035                    485008.74
3735372.20        0.00269
         485046.44    3734809.63        0.00093                    484868.37
3733510.40        0.00021
         484986.10    3733423.51        0.00020                    484780.44
3733325.65        0.00018
         485013.46    3733200.88        0.00017                    485039.95
3733147.89        0.00016
         484554.31    3733559.48        0.00019                    484453.74
3733612.38        0.00019
         484458.31    3733567.64        0.00018                    484408.34
3733589.85        0.00018
         484385.49    3733569.93        0.00019                    484352.83
3733589.19        0.00020
         484367.85    3733607.48        0.00019                    484937.82
3734455.25        0.00052
         484959.17    3734535.06        0.00058                    484988.43
3734538.90        0.00058
         484966.41    3734583.68        0.00063                    484961.53
3734624.47        0.00068
         485181.06    3733634.73        0.00025

 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 , A0000808 , A0000772 , A0000773 , A0000774 , A0000775 , A0000782 , A0000783 , A0000784 , A0000785 , A0000786 , A0000787 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 480856.47	480966.70	481076.93	481187.16	481297.39
3738501.1	0.04166 (11010308)	0.04001 (11121208)	0.04415 (11121208)	0.04541 (11121208)	0.04335 (11121208)
3738399.8	0.04382 (11010308)	0.04379 (11010308)	0.04101 (11010308)	0.04567 (11121208)	0.04735 (11121208)
3738298.4	0.04204 (11010308)	0.04536 (11010308)	0.04597 (11010308)	0.04357 (11010308)	0.04725 (11121208)
3738197.0	0.03666 (15122108)	0.04267 (11010308)	0.04682 (11010308)	0.04819 (11010308)	0.04630 (11010308)
3738095.6	0.03788 (15122108)	0.03844 (15122108)	0.04318 (11010308)	0.04823 (11010308)	0.05043 (11010308)
3737994.3	0.03732 (15122108)	0.03928 (15122108)	0.04032 (15122108)	0.04349 (11010308)	0.04951 (11010308)
3737892.9	0.04053 (16121308)	0.03818 (15122108)	0.04067 (15122108)	0.04218 (15122108)	0.04360 (11010308)
3737791.5	0.04661 (16121308)	0.04465 (16121308)	0.04063 (16121308)	0.04194 (15122108)	0.04404 (15122108)
3737690.2	0.04772 (16121308)	0.04935 (16121308)	0.04861 (16121308)	0.04546 (16121308)	0.04307 (15122108)
3737588.8	0.04515 (11111608)	0.04830 (16121308)	0.05145 (16121308)	0.05221 (16121308)	0.05027 (16121308)
3737487.4	0.04776 (11111608)	0.04825 (11111608)	0.04798 (16121308)	0.05276 (16121308)	0.05525 (16121308)

```
3737386.1 |      0.04817 (10020908)      0.04957 (11111608)      0.05100 (11111608)
    0.05138 (11111608)      0.05310 (16121308)
3737284.7 |      0.04558 (10020908)      0.04938 (10020908)      0.05159 (10020908)
    0.05337 (11111608)      0.05482 (11111608)
3737183.3 |      0.04103 (10121516)      0.04370 (10020908)      0.04907 (10020908)
    0.05319 (10020908)      0.05547 (10020908)
3737082.0 |      0.04373 (10121516)      0.04449 (10121516)      0.04456 (10121516)
    0.04711 (10020908)      0.05305 (10020908)
3736980.6 |      0.04313 (10121516)      0.04543 (10121516)      0.04720 (10121516)
    0.04828 (10121516)      0.04857 (10121516)
3736879.2 |      0.03931 (10121516)      0.04278 (10121516)      0.04602 (10121516)
    0.04886 (10121516)      0.05112 (10121516)
3736777.8 |      0.03301 (10121516)      0.03706 (10121516)      0.04120 (10121516)
    0.04530 (10121516)      0.04919 (10121516)
3736676.5 |      0.02868 (10122808)      0.02944 (10121516)      0.03375 (10121516)
    0.03835 (10121516)      0.04313 (10121516)
3736575.1 |      0.04197 (10122808)      0.03968 (10122808)      0.03692 (10122808)
    0.03377 (10122808)      0.03434 (10121516)
3736473.7 |      0.05205 (10122808)      0.05167 (10122808)      0.05066 (10122808)
    0.04899 (10122808)      0.04666 (10122808)
3736372.4 |      0.05466 (10122808)      0.05674 (10122808)      0.05829 (10122808)
    0.05925 (10122808)      0.05949 (10122808)
3736271.0 |      0.04856 (10122808)      0.05247 (10122808)      0.05623 (10122808)
    0.05976 (10122808)      0.06290 (10122808)
3736169.6 |      0.03632 (10122808)      0.04069 (10122808)      0.04531 (10122808)
    0.05014 (10122808)      0.05508 (10122808)
3736068.2 |      0.03207 (10021108)      0.03233 (10021108)      0.03247 (10021108)
    0.03475 (10122808)      0.03968 (10122808)
3735966.9 |      0.03437 (10021108)      0.03558 (10021108)      0.03675 (10021108)
    0.03785 (10021108)      0.03887 (10021108)
3735865.5 |      0.03783 (16021608)      0.03842 (16021608)      0.03901 (16021608)
    0.03961 (16021608)      0.04018 (16021608)
3735764.1 |      0.04423 (16021608)      0.04533 (16021608)      0.04649 (16021608)
    0.04766 (16021608)      0.04894 (16021608)
3735662.8 |      0.04721 (16021608)      0.04868 (16021608)      0.05024 (16021608)
    0.05188 (16021608)      0.05370 (16021608)
3735561.4 |      0.04600 (16021608)      0.04756 (16021608)      0.04924 (16021608)
    0.05104 (16021608)      0.05297 (16021608)
3735460.0 |      0.04616 (15012808)      0.04793 (15012808)      0.04982 (15012808)
    0.05182 (15012808)      0.05396 (15012808)
3735358.7 |      0.04911 (15012808)      0.05075 (15012808)      0.05247 (15012808)
    0.05428 (15012808)      0.05618 (15012808)
3735257.3 |      0.04694 (14012808)      0.04873 (14012808)      0.05060 (14012808)
    0.05258 (14012808)      0.05467 (14012808)
3735155.9 |      0.04679 (16012708)      0.04905 (16012708)      0.05142 (16012708)
    0.05392 (16012708)      0.05656 (16012708)
3735054.5 |      0.04967 (16012708)      0.05152 (16012708)      0.05342 (16012708)
    0.05536 (16012708)      0.05732 (16012708)
3734953.2 |      0.04817 (16012708)      0.04931 (16012708)      0.05040 (16012708)
    0.05143 (16012708)      0.05238 (16012708)
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 3734851.8 |      0.04277 (16012708)      0.04307 (16012708)      0.04325 (16012708)
     0.04331 (16012708)      0.04322 (16012708)
 3734750.4 |      0.03479 (16012708)      0.03548 (16021108)      0.03944 (16021108)
     0.04372 (16021108)      0.04828 (16021108)
 3734649.1 |      0.04094 (16021108)      0.04472 (16021108)      0.04865 (16021108)
     0.05267 (16021108)      0.05674 (16021108)
 3734547.7 |      0.04808 (16021108)      0.05133 (16021108)      0.05449 (16021108)
     0.05748 (16021108)      0.06020 (16021108)
```



```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     PAREA1      , A0000001
, A0000002    , A0000003    , A0000004    ,
                A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
                A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,

                                *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                **

  Y-COORD  |                                                X-COORD (METERS)
  (METERS) |       480856.47              480966.70              481076.93
      481187.16              481297.39
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

 3734446.3 |      0.05165 (16021108)      0.05376 (16021108)      0.05555 (16021108)
     0.05692 (16021108)      0.05779 (16021108)
 3734345.0 |      0.05095 (16021108)      0.05157 (16021108)      0.05173 (16021108)
     0.05136 (16021108)      0.05042 (16021108)
 3734243.6 |      0.04621 (16021108)      0.04539 (16021108)      0.04409 (16021108)
     0.04509 (14121808)      0.04883 (14121808)
 3734142.2 |      0.03929 (14121808)      0.04263 (14121808)      0.04574 (14121808)
     0.04855 (14121808)      0.05082 (14121808)
 3734040.9 |      0.04294 (14121808)      0.04523 (14121808)      0.04705 (14121808)
     0.04824 (14121808)      0.05080 (15120108)
 3733939.5 |      0.04366 (14121808)      0.04457 (14121808)      0.04726 (15120108)
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    0.05060 (15120108)      0.05320 (15120108)
3733838.1 |      0.04405 (15120108)      0.04700 (15120108)      0.04929 (15120108)
    0.05082 (15120108)      0.05136 (15120108)
3733736.7 |      0.04593 (15120108)      0.04728 (15120108)      0.04780 (15120108)
    0.04737 (15120108)      0.04598 (15120108)
3733635.4 |      0.04465 (15120108)      0.04434 (15120108)      0.04314 (15120108)
    0.04540 (11120908)      0.04941 (11120908)
3733534.0 |      0.04060 (15120108)      0.04131 (11120908)      0.04512 (11120908)
    0.04822 (11120908)      0.05024 (11120908)
3733432.6 |      0.04129 (11120908)      0.04438 (11120908)      0.04663 (11120908)
    0.04778 (11120908)      0.05218 (11011008)
3733331.3 |      0.04323 (11120908)      0.04470 (11120908)      0.04721 (11011008)
    0.05085 (11011008)      0.05185 (11011008)
3733229.9 |      0.04254 (11120908)      0.04670 (11011008)      0.04895 (11011008)
    0.04862 (11011008)      0.04556 (11011008)
3733128.5 |      0.04563 (11011008)      0.04661 (11011008)      0.04515 (11011008)
    0.04150 (15121708)      0.04783 (15121708)
3733027.1 |      0.04396 (11011008)      0.04160 (11011008)      0.04154 (15121708)
    0.04686 (15121708)      0.04964 (15121708)
3732925.8 |      0.03805 (11011008)      0.04133 (15121708)      0.04570 (15121708)
    0.04751 (15121708)      0.05000 (16121208)
3732824.4 |      0.04089 (15121708)      0.04435 (15121708)      0.04617 (16121208)
    0.04783 (16121208)      0.04625 (16121208)
3732723.0 |      0.04290 (15121708)      0.04477 (16121208)      0.04566 (16121208)
    0.04357 (16121208)      0.03870 (16121208)
3732621.7 |      0.04328 (16121208)      0.04352 (16121208)      0.04101 (16121208)
    0.03603 (16121208)      0.03894 (16122208)
3732520.3 |      0.04142 (16121208)      0.03857 (16121208)      0.03393 (14122208)
    0.03768 (16122208)      0.03950 (16122208)
3732418.9 |      0.03626 (16121208)      0.03236 (14122208)      0.03646 (16122208)
    0.03798 (16122208)      0.03619 (16122208)
3732317.6 |      0.03140 (16122208)      0.03530 (16122208)      0.03655 (16122208)
    0.03471 (16122208)      0.03009 (16122208)
3732216.2 |      0.03413 (16122208)      0.03519 (16122208)      0.03332 (16122208)
    0.02888 (16122208)      0.02278 (16122208)
3732114.8 |      0.03387 (16122208)      0.03202 (16122208)      0.02774 (16122208)
    0.02195 (16122208)      0.01966 (14010608)
3732013.5 |      0.03075 (16122208)      0.02663 (16122208)      0.02115 (16122208)
    0.01821 (14010608)      0.02432 (14010608)
3731912.1 |      0.02564 (16122208)      0.02038 (16122208)      0.01689 (14010608)
    0.02262 (14010608)      0.02850 (14010608)
3731810.7 |      0.01968 (16122208)      0.01562 (14010608)      0.02101 (14010608)
    0.02668 (14010608)      0.03175 (14010608)
3731709.3 |      0.01454 (14010608)      0.01958 (14010608)      0.02491 (14010608)
    0.02995 (14010608)      0.03373 (14010608)
3731608.0 |      0.01826 (14010608)      0.02334 (14010608)      0.02816 (14010608)
    0.03201 (14010608)      0.03423 (14010608)
3731506.6 |      0.02188 (14010608)      0.02655 (14010608)      0.03043 (14010608)
    0.03281 (14010608)      0.03475 (11122908)
3731405.2 |      0.02504 (14010608)      0.02890 (14010608)      0.03148 (14010608)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , A0000001 , A0000002 , A0000003 , A0000004 ,
A0000005 , A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 ,
A0000013 , A0000014 , A0000015 , A0000016 , A0000808 , A0000772 , A0000773 , A0000774 ,
A0000775 , A0000782 , A0000783 , A0000784 , A0000785 , A0000786 , A0000787 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
481407.62	481517.85	481628.08	481738.31	481848.54	
3738501.1	0.03822 (11121208)	0.03316 (15012008)	0.02909 (15012008)	0.03270 (16012008)	0.03894 (16012008)
3738399.8	0.04546 (11121208)	0.04020 (11121208)	0.03470 (15012008)	0.03038 (15012008)	0.03498 (16012008)
3738298.4	0.04941 (11121208)	0.04772 (11121208)	0.04234 (11121208)	0.03638 (15012008)	0.03178 (15012008)
3738197.0	0.04887 (11121208)	0.05159 (11121208)	0.05016 (11121208)	0.04466 (11121208)	0.03821 (15012008)
3738095.6	0.04914 (11010308)	0.05055 (11121208)	0.05390 (11121208)	0.05277 (11121208)	0.04717 (11121208)

3737994.3 | 0.05267 (11010308)   0.05212 (11010308)   0.05228 (11121208)
    0.05634 (11121208)   0.05559 (11121208)
3737892.9 | 0.05065 (11010308)   0.05488 (11010308)   0.05521 (11010308)
    0.05406 (11121208)   0.05894 (11121208)
3737791.5 | 0.04491 (15122108)   0.05160 (11010308)   0.05704 (11010308)
    0.05840 (11010308)   0.05590 (11121208)
3737690.2 | 0.04587 (15122108)   0.04736 (15122108)   0.05235 (11010308)
    0.05912 (11010308)   0.06170 (11010308)
3737588.8 | 0.04575 (16121308)   0.04762 (15122108)   0.04989 (15122108)
    0.05285 (11010308)   0.06105 (11010308)
3737487.4 | 0.05488 (16121308)   0.05148 (16121308)   0.04931 (15122108)
    0.05238 (15122108)   0.05374 (15122108)
3737386.1 | 0.05749 (16121308)   0.05901 (16121308)   0.05718 (16121308)
    0.05205 (16121308)   0.05482 (15122108)
3737284.7 | 0.05492 (11111608)   0.05866 (16121308)   0.06237 (16121308)
    0.06257 (16121308)   0.05893 (16121308)
3737183.3 | 0.05772 (11111608)   0.05905 (11111608)   0.05885 (11111608)
    0.06466 (16121308)   0.06731 (16121308)
3737082.0 | 0.05749 (10020908)   0.05992 (11111608)   0.06268 (11111608)
    0.06388 (11111608)   0.06559 (16121308)
3736980.6 | 0.05097 (10020908)   0.05755 (10020908)   0.06239 (10020908)
    0.06553 (11111608)   0.06842 (11111608)
3736879.2 | 0.05263 (10121516)   0.05321 (10121516)   0.05540 (10020908)
    0.06273 (10020908)   0.06800 (10020908)
3736777.8 | 0.05269 (10121516)   0.05558 (10121516)   0.05763 (10121516)
    0.05862 (10121516)   0.06050 (10020908)
3736676.5 | 0.04797 (10121516)   0.05265 (10121516)   0.05698 (10121516)
    0.06067 (10121516)   0.06343 (10121516)
3736575.1 | 0.03955 (10121516)   0.04508 (10121516)   0.05077 (10121516)
    0.05643 (10121516)   0.06172 (10121516)
3736473.7 | 0.04371 (10122808)   0.04020 (10122808)   0.04059 (10121516)
    0.04692 (10121516)   0.05362 (10121516)
3736372.4 | 0.05896 (10122808)   0.05759 (10122808)   0.05537 (10122808)
    0.05229 (10122808)   0.04843 (10122808)
3736271.0 | 0.06553 (10122808)   0.06751 (10122808)   0.06870 (10122808)
    0.06896 (10122808)   0.06820 (10122808)
3736169.6 | 0.06003 (10122808)   0.06485 (10122808)   0.06939 (10122808)
    0.07348 (10122808)   0.07691 (10122808)
3736068.2 | 0.04505 (10122808)   0.05080 (10122808)   0.05692 (10122808)
    0.06325 (10122808)   0.06966 (10122808)
3735966.9 | 0.03977 (10021108)   0.04057 (10021108)   0.04121 (10021108)
    0.04356 (10122808)   0.05026 (10122808)
3735865.5 | 0.04083 (16021608)   0.04220 (10021108)   0.04418 (10021108)
    0.04615 (10021108)   0.04807 (10021108)
3735764.1 | 0.05034 (16021608)   0.05177 (16021608)   0.05328 (16021608)
    0.05486 (16021608)   0.05654 (16021608)
3735662.8 | 0.05563 (16021608)   0.05769 (16021608)   0.05991 (16021608)
    0.06230 (16021608)   0.06484 (16021608)
3735561.4 | 0.05507 (16021608)   0.05734 (16021608)   0.05981 (16021608)
    0.06248 (16021608)   0.06534 (16021608)

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 3735460.0 |      0.05624 (15012808)      0.05867 (15012808)      0.06126 (15012808)
     0.06405 (15012808)      0.06702 (15012808)
 3735358.7 |      0.05818 (15012808)      0.06028 (15012808)      0.06248 (15012808)
     0.06480 (15012808)      0.06726 (15012808)
 3735257.3 |      0.05687 (14012808)      0.05919 (14012808)      0.06159 (14012808)
     0.06417 (14012808)      0.06752 (16012708)
 3735155.9 |      0.05933 (16012708)      0.06223 (16012708)      0.06523 (16012708)
     0.06836 (16012708)      0.07164 (16012708)
 3735054.5 |      0.05929 (16012708)      0.06127 (16012708)      0.06322 (16012708)
     0.06513 (16012708)      0.06693 (16012708)
 3734953.2 |      0.05323 (16012708)      0.05395 (16012708)      0.05453 (16012708)
     0.05493 (16012708)      0.05512 (16012708)
 3734851.8 |      0.04297 (16012708)      0.04672 (16021108)      0.05227 (16021108)
     0.05822 (16021108)      0.06454 (16021108)
 3734750.4 |      0.05309 (16021108)      0.05810 (16021108)      0.06324 (16021108)
     0.06839 (16021108)      0.07341 (16021108)
 3734649.1 |      0.06074 (16021108)      0.06459 (16021108)      0.06814 (16021108)
     0.07126 (16021108)      0.07370 (16021108)
 3734547.7 |      0.06255 (16021108)      0.06439 (16021108)      0.06562 (16021108)
     0.06606 (16021108)      0.06567 (16021108)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                  PAGE 111
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     PAREA1      , A0000001
, A0000002    , A0000003    , A0000004    ,
                  A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
                  A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                  A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       481407.62              481517.85              481628.08
      481738.31              481848.54
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
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```
3734446.3 |      0.05808 (16021108)      0.05771 (16021108)      0.05656 (16021108)
    0.05603 (14121808)      0.06126 (14121808)
3734345.0 |      0.04887 (16021108)      0.05226 (14121808)      0.05650 (14121808)
    0.06021 (14121808)      0.06312 (14121808)
3734243.6 |      0.05227 (14121808)      0.05519 (14121808)      0.05740 (14121808)
    0.05988 (15120108)      0.06512 (15120108)
3734142.2 |      0.05247 (14121808)      0.05500 (15120108)      0.05947 (15120108)
    0.06303 (15120108)      0.06533 (15120108)
3734040.9 |      0.05465 (15120108)      0.05771 (15120108)      0.05971 (15120108)
    0.06037 (15120108)      0.05951 (15120108)
3733939.5 |      0.05490 (15120108)      0.05552 (15120108)      0.05486 (15120108)
    0.05602 (11120908)      0.06165 (11120908)
3733838.1 |      0.05084 (15120108)      0.05011 (11120908)      0.05540 (11120908)
    0.05965 (11120908)      0.06223 (11120908)
3733736.7 |      0.05011 (11120908)      0.05421 (11120908)      0.05713 (11120908)
    0.05969 (11011008)      0.06482 (11011008)
3733635.4 |      0.05246 (11120908)      0.05419 (11120908)      0.05881 (11011008)
    0.06179 (11011008)      0.06069 (11011008)
3733534.0 |      0.05283 (11011008)      0.05712 (11011008)      0.05813 (11011008)
    0.05540 (11011008)      0.05795 (15121708)
3733432.6 |      0.05474 (11011008)      0.05408 (11011008)      0.05012 (11011008)
    0.05678 (15121708)      0.06108 (15121708)
3733331.3 |      0.04986 (11011008)      0.04893 (15121708)      0.05530 (15121708)
    0.05822 (16121208)      0.06123 (16121208)
3733229.9 |      0.04852 (15121708)      0.05358 (15121708)      0.05629 (16121208)
    0.05808 (16121208)      0.05520 (16121208)
3733128.5 |      0.05168 (15121708)      0.05425 (16121208)      0.05498 (16121208)
    0.05144 (16121208)      0.04621 (16122208)
3733027.1 |      0.05214 (16121208)      0.05197 (16121208)      0.04791 (16121208)
    0.04462 (16122208)      0.04863 (16122208)
3732925.8 |      0.04906 (16121208)      0.04462 (16121208)      0.04311 (16122208)
    0.04657 (16122208)      0.04531 (16122208)
3732824.4 |      0.04155 (16121208)      0.04166 (16122208)      0.04463 (16122208)
    0.04322 (16122208)      0.03760 (16122208)
3732723.0 |      0.04027 (16122208)      0.04281 (16122208)      0.04128 (16122208)
    0.03587 (16122208)      0.02790 (16122208)
3732621.7 |      0.04110 (16122208)      0.03946 (16122208)      0.03428 (16122208)
    0.02673 (16122208)      0.02931 (14010608)
3732520.3 |      0.03777 (16122208)      0.03278 (16122208)      0.02565 (16122208)
    0.02700 (14010608)      0.03512 (14010608)
3732418.9 |      0.03139 (16122208)      0.02463 (16122208)      0.02490 (14010608)
    0.03260 (14010608)      0.03956 (14010608)
3732317.6 |      0.02368 (16122208)      0.02300 (14010608)      0.03027 (14010608)
    0.03706 (14010608)      0.04206 (14010608)
3732216.2 |      0.02125 (14010608)      0.02812 (14010608)      0.03471 (14010608)
    0.03982 (14010608)      0.04230 (14010608)
3732114.8 |      0.02614 (14010608)      0.03250 (14010608)      0.03767 (14010608)
    0.04056 (14010608)      0.04506 (11122908)
3732013.5 |      0.03043 (14010608)      0.03562 (14010608)      0.03883 (14010608)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , A0000001 , A0000002 , A0000003 , A0000004 ,
A0000005 , A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 ,
A0000013 , A0000014 , A0000015 , A0000016 , A0000808 , A0000772 , A0000773 , A0000774 ,
A0000775 , A0000782 , A0000783 , A0000784 , A0000785 , A0000786 , A0000787 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)			
	481958.77	482069.00	482179.23	482289.46
	482399.69			

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 3736068.2 |      0.07598 (10122808)      0.08199 (10122808)      0.08740 (10122808)
     0.09202 (10122808)      0.09552 (10122808)
 3735966.9 |      0.05760 (10122808)      0.06548 (10122808)      0.07377 (10122808)
     0.08226 (10122808)      0.09073 (10122808)
 3735865.5 |      0.04991 (10021108)      0.05166 (10021108)      0.05327 (10021108)
     0.05661 (10122808)      0.06615 (10122808)
 3735764.1 |      0.05825 (16021608)      0.06010 (16021608)      0.06204 (16021608)
     0.06407 (16021608)      0.06614 (16021608)
 3735662.8 |      0.06763 (16021608)      0.07065 (16021608)      0.07392 (16021608)
     0.07747 (16021608)      0.08132 (16021608)
 3735561.4 |      0.06853 (16021608)      0.07202 (16021608)      0.07584 (16021608)
     0.08006 (16021608)      0.08471 (16021608)
 3735460.0 |      0.07021 (15012808)      0.07364 (15012808)      0.07733 (15012808)
     0.08133 (15012808)      0.08566 (15012808)
 3735358.7 |      0.07060 (14012808)      0.07446 (14012808)      0.07865 (14012808)
     0.08318 (14012808)      0.08800 (14012808)
 3735257.3 |      0.07179 (16012708)      0.07637 (16012708)      0.08129 (16012708)
     0.08645 (16012708)      0.09194 (16012708)
 3735155.9 |      0.07502 (16012708)      0.07850 (16012708)      0.08204 (16012708)
     0.08554 (16012708)      0.08901 (16012708)
 3735054.5 |      0.06862 (16012708)      0.07019 (16012708)      0.07155 (16012708)
     0.07261 (16012708)      0.07334 (16012708)
 3734953.2 |      0.05662 (16021108)      0.06405 (16021108)      0.07203 (16021108)
     0.08060 (16021108)      0.08944 (16021108)
 3734851.8 |      0.07106 (16021108)      0.07779 (16021108)      0.08438 (16021108)
     0.09078 (16021108)      0.09596 (16021108)
 3734750.4 |      0.07807 (16021108)      0.08228 (16021108)      0.08566 (16021108)
     0.08811 (16021108)      0.08878 (16021108)
 3734649.1 |      0.07542 (16021108)      0.07618 (16021108)      0.07580 (16021108)
     0.07408 (16021108)      0.08028 (14121808)
 3734547.7 |      0.06433 (16021108)      0.06667 (14121808)      0.07267 (14121808)
     0.07777 (14121808)      0.08131 (14121808)
```



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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     PAREA1      , A0000001
, A0000002    , A0000003    , A0000004    ,
                A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
                A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,
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*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	481958.77	482069.00	482179.23	482289.46	482399.69
3734446.3	0.06596 (14121808)	0.06988 (14121808)	0.07252 (14121808)	0.07971 (15120108)	0.08569 (15120108)
3734345.0	0.06558 (15120108)	0.07180 (15120108)	0.07670 (15120108)	0.07982 (15120108)	0.08057 (15120108)
3734243.6	0.06931 (15120108)	0.07198 (15120108)	0.07265 (15120108)	0.07192 (11120908)	0.08034 (11120908)
3734142.2	0.06604 (15120108)	0.06486 (15120108)	0.07085 (11120908)	0.07689 (11120908)	0.08026 (11120908)
3734040.9	0.06288 (11120908)	0.06871 (11120908)	0.07262 (11120908)	0.07745 (11011008)	0.08154 (11011008)
3733939.5	0.06575 (11120908)	0.06822 (11011008)	0.07448 (11011008)	0.07538 (11011008)	0.07234 (15121708)
3733838.1	0.06704 (11011008)	0.07049 (11011008)	0.06879 (11011008)	0.07085 (15121708)	0.07785 (15121708)
3733736.7	0.06580 (11011008)	0.06207 (11011008)	0.06887 (15121708)	0.07379 (16121208)	0.07738 (16121208)
3733635.4	0.05875 (15121708)	0.06652 (15121708)	0.07075 (16121208)	0.07276 (16121208)	0.06742 (16121208)
3733534.0	0.06389 (15121708)	0.06761 (16121208)	0.06800 (16121208)	0.06192 (16121208)	0.06144 (16122208)
3733432.6	0.06441 (16121208)	0.06348 (16121208)	0.05682 (16121208)	0.05853 (16122208)	0.05902 (16122208)
3733331.3	0.05921 (16121208)	0.05218 (16121208)	0.05577 (16122208)	0.05558 (16122208)	0.04890 (16122208)
3733229.9	0.04797 (16121208)	0.05322 (16122208)	0.05268 (16122208)	0.04611 (16122208)	0.03653 (14010608)
3733128.5	0.05084 (16122208)	0.05002 (16122208)	0.04370 (16122208)	0.03361 (16122208)	0.04486 (14010608)
3733027.1	0.04757 (16122208)	0.04149 (16122208)	0.03199 (16122208)	0.04112 (14010608)	0.05127 (14010608)
3732925.8	0.03947 (16122208)	0.03052 (16122208)	0.03773 (14010608)	0.04750 (14010608)	0.05443 (14010608)
3732824.4	0.02916 (16122208)	0.03465 (14010608)	0.04401 (14010608)	0.05114 (14010608)	0.05587 (11122908)
3732723.0	0.03185 (14010608)	0.04080 (14010608)	0.04801 (14010608)	0.05153 (14010608)	0.05973 (11122908)
3732621.7	0.03786 (14010608)	0.04503 (14010608)	0.04910 (14010608)		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , A0000001 , A0000002 , A0000003 , A0000004 ,
A0000005 , A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 ,
A0000013 , A0000014 , A0000015 , A0000016 , A0000808 , A0000772 , A0000773 , A0000774 ,
A0000775 , A0000782 , A0000783 , A0000784 , A0000785

, A0000786   , A0000787   , . . .   ,

*** NETWORK ID: UCART1   ; NETWORK TYPE:
GRIDCART ***

** CONC OF PM_10   IN MICROGRAMS/M**3
**

Y-COORD (METERS)	X-COORD (METERS)				
	482509.92	482620.15	482730.38	482840.61	482950.84
3738501.1	0.05346 (10012008)	0.05836 (14021408)	0.06023 (14021408)	0.05727 (15012708)	0.05765 (15021708)
3738399.8	0.05999 (10012008)	0.05705 (14021408)	0.06216 (14021408)	0.06211 (14021408)	0.05975 (15021708)
3738298.4	0.06276 (10012008)	0.06108 (10012008)	0.06202 (14021408)	0.06557 (14021408)	0.06319 (14021408)
3738197.0	0.06088 (10012008)	0.06595 (10012008)	0.06139 (10012008)	0.06689 (14021408)	0.06837 (14021408)
3738095.6	0.05762 (16012008)	0.06592 (10012008)	0.06858 (10012008)	0.06571 (14021408)	0.07146 (14021408)
3737994.3	0.05947 (16012008)	0.06067 (10012008)	0.07080 (10012008)	0.07043 (10012008)	0.07188 (14021408)
3737892.9	0.05851 (16012008)	0.06316 (16012008)	0.06716 (10012008)	0.07529 (10012008)	0.07134 (10012008)
3737791.5	0.05466 (16012008)	0.06289 (16012008)	0.06707 (16012008)	0.07381 (10012008)	0.07915 (10012008)
3737690.2	0.04825 (16012008)	0.05929 (16012008)	0.06765 (16012008)	0.07117 (16012008)	0.08039 (10012008)
3737588.8	0.05376 (15012008)	0.05269 (16012008)	0.06446 (16012008)	0.07283 (16012008)	0.07536 (16012008)
3737487.4	0.06796 (11121208)	0.05742 (15012008)	0.05770 (16012008)	0.07016 (16012008)	0.07838 (16012008)
3737386.1	0.07811 (11121208)	0.07276 (11121208)	0.06147 (15012008)	0.06334 (16012008)	0.07659 (16012008)
3737284.7	0.07808 (11121208)	0.08310 (11121208)	0.07803 (11121208)	0.06606 (15012008)	0.06983 (16012008)
3737183.3	0.08317 (11010308)	0.08195 (11121208)	0.08850 (11121208)	0.08395 (11121208)	0.07128 (15012008)
3737082.0	0.08083 (11010308)	0.08856 (11010308)	0.08673 (11010308)	0.09447 (11121208)	0.09059 (11121208)
3736980.6	0.07587 (15122108)	0.08330 (11010308)	0.09399 (11010308)	0.09449 (11010308)	0.10103 (11121208)
3736879.2	0.08046 (16121308)	0.08084 (15122108)	0.08532 (11010308)	0.09947 (11010308)	0.10286 (11010308)
3736777.8	0.09070 (16121308)	0.09076 (16121308)	0.08570 (15122108)	0.09187 (15122108)	0.10480 (11010308)

3736676.5 | 0.09210 (11111608)   0.09514 (16121308)   0.10015 (16121308)
    0.09666 (16121308)   0.09933 (15122108)
3736575.1 | 0.09382 (11111608)   0.10032 (11111608)   0.10306 (11111608)
    0.10769 (16121308)   0.10970 (16121308)
3736473.7 | 0.08364 (11111608)   0.09614 (11111608)   0.10676 (11111608)
    0.11383 (11111608)   0.11603 (11111608)
3736372.4 | 0.08746 (10121516)   0.09215 (10121516)   0.09526 (11111608)
    0.11025 (11111608)   0.12276 (11111608)
3736271.0 | 0.07974 (10121516)   0.08963 (10121516)   0.09856 (10121516)
    0.10548 (10121516)   0.10995 (11111608)
3736169.6 | 0.07362 (10122808)   0.07410 (10121516)   0.08698 (10121516)
    0.09996 (10121516)   0.11206 (10121516)
3736068.2 | 0.09763 (10122808)   0.09806 (10122808)   0.09666 (10122808)
    0.09323 (10122808)   0.09500 (10121516)
3735966.9 | 0.09888 (10122808)   0.10638 (10122808)   0.11283 (10122808)
    0.11785 (10122808)   0.12108 (10122808)
3735865.5 | 0.07659 (10122808)   0.08779 (10122808)   0.09947 (10122808)
    0.11127 (10122808)   0.12276 (10122808)
3735764.1 | 0.06832 (16021608)   0.07060 (16021608)   0.07296 (16021608)
    0.07763 (10122808)   0.09204 (10122808)
3735662.8 | 0.08544 (16021608)   0.08999 (16021608)   0.09497 (16021608)
    0.10039 (16021608)   0.10620 (16021608)
3735561.4 | 0.08977 (16021608)   0.09547 (16021608)   0.10181 (16021608)
    0.10884 (16021608)   0.11665 (16021608)
3735460.0 | 0.09030 (15012808)   0.09536 (15012808)   0.10088 (15012808)
    0.10685 (15012808)   0.11416 (14012808)
3735358.7 | 0.09334 (14012808)   0.09916 (14012808)   0.10550 (14012808)
    0.11226 (14012808)   0.12169 (16012708)
3735257.3 | 0.09791 (16012708)   0.10436 (16012708)   0.11090 (16012708)
    0.11792 (16012708)   0.12523 (16012708)
3735155.9 | 0.09250 (16012708)   0.09587 (16012708)   0.09903 (16012708)
    0.10189 (16012708)   0.10696 (16021108)
3735054.5 | 0.08095 (16021108)   0.09229 (16021108)   0.10443 (16021108)
    0.11709 (16021108)   0.12984 (16021108)
3734953.2 | 0.09850 (16021108)   0.10738 (16021108)   0.11564 (16021108)
    0.12280 (16021108)   0.12821 (16021108)
3734851.8 | 0.10063 (16021108)   0.10496 (16021108)   0.10680 (16021108)
    0.10649 (16021108)   0.11145 (14121808)
3734750.4 | 0.08836 (16021108)   0.08908 (14121808)   0.09812 (14121808)
    0.10548 (14121808)   0.11572 (15120108)
3734649.1 | 0.08636 (14121808)   0.09215 (14121808)   0.10116 (15120108)
    0.11004 (15120108)   0.11548 (15120108)
3734547.7 | 0.08934 (15120108)   0.09661 (15120108)   0.10109 (15120108)
    0.10163 (15120108)   0.11123 (11120908)

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     PAREA1      , A0000001
, A0000002    , A0000003    , A0000004    ,
                  A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
                  A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                  A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       482509.92              482620.15              482730.38
      482840.61              482950.84
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 3734446.3 |      0.08938 (15120108)      0.09001 (15120108)      0.09540 (11120908)
     0.10464 (11120908)      0.10894 (11120908)
 3734345.0 |      0.08259 (11120908)      0.09143 (11120908)      0.09692 (11120908)
     0.10314 (11011008)      0.10352 (11011008)
 3734243.6 |      0.08630 (11120908)      0.09088 (11011008)      0.09583 (11011008)
     0.09197 (15121708)      0.10421 (15121708)
 3734142.2 |      0.08686 (11011008)      0.08755 (11011008)      0.08921 (15121708)
     0.09792 (16121208)      0.10235 (16121208)
 3734040.9 |      0.07889 (11011008)      0.08580 (15121708)      0.09281 (16121208)
     0.09422 (16121208)      0.08423 (16121208)
 3733939.5 |      0.08195 (15121708)      0.08760 (16121208)      0.08666 (16121208)
     0.07602 (14122208)      0.07945 (16122208)
 3733838.1 |      0.08243 (16121208)      0.07960 (16121208)      0.07154 (16122208)
     0.07439 (16122208)      0.06618 (16122208)
 3733736.7 |      0.07310 (16121208)      0.06784 (16122208)      0.06985 (16122208)
     0.06189 (16122208)      0.06034 (14010608)
 3733635.4 |      0.06466 (16122208)      0.06597 (16122208)      0.05830 (16122208)
     0.05451 (14010608)      0.07063 (14010608)
 3733534.0 |      0.06209 (16122208)      0.05469 (16122208)      0.04901 (14010608)
     0.06429 (14010608)      0.07455 (14010608)
 3733432.6 |      0.05151 (16122208)      0.04422 (14010608)      0.05870 (14010608)
     0.06928 (14010608)      0.08003 (11122908)
 3733331.3 |      0.03999 (14010608)      0.05362 (14010608)      0.06431 (14010608)
     0.07291 (11122908)      0.08115 (11122908)
 3733229.9 |      0.04902 (14010608)      0.05969 (14010608)      0.06607 (11122908)
```

```
    0.07636 (11122908)      0.07474 (11122908)
 3733128.5 |      0.05533 (14010608)      0.06139 (14010608)      0.07128 (11122908)
    0.07281 (11122908)      0.06297 (11122908)
 3733027.1 |      0.05787 (14010608)      0.06609 (11122908)      0.07018 (11122908)
    0.06366 (11122908)      0.05829 (15021108)
 3732925.8 |      0.06092 (11122908)      0.06703 (11122908)      0.06349 (11122908)
    0.05131 (11122908)      0.06264 (15021108)
 3732824.4 |      0.06349 (11122908)      0.06260 (11122908)      0.05308 (11122908)
    0.05575 (15021108)      0.06467 (15021108)
 3732723.0 |      0.06108 (11122908)      0.05412 (11122908)      0.04916 (15021108)
    0.05896 (15021108)      0.06426 (15021108)
 3732621.7 |      0.05449 (11122908)      0.04353 (11122908)      0.05315 (15021108)
    0.06014 (15021108)      0.06188 (15021108)
 3732520.3 |      0.04529 (11122908)      0.04747 (15021108)      0.05546 (15021108)
    0.05936 (15021108)      0.05781 (15021108)
 3732418.9 |      0.04200 (15021108)      0.05048 (15021108)      0.05600 (15021108)
    0.05685 (15021108)      0.05255 (15021108)
 3732317.6 |      0.04560 (15021108)      0.05206 (15021108)      0.05487 (15021108)
    0.05296 (15021108)      0.04659 (15021108)
 3732216.2 |      0.04796 (15021108)      0.05215 (15021108)      0.05231 (15021108)
    0.04812 (15021108)      0.04978 (16122108)
 3732114.8 |      0.04905 (15021108)      0.05085 (15021108)      0.04863 (15021108)
    0.04272 (15021108)      0.05327 (16122108)
 3732013.5 |      0.04874 (15021108)      0.04829 (15021108)      0.04416 (15021108)
    0.04575 (16122108)      0.05485 (16122108)
 3731912.1 |      0.04723 (15021108)      0.04481 (15021108)      0.03922 (15021108)
    0.04915 (16122108)      0.05453 (16122108)
 3731810.7 |      0.04471 (15021108)      0.04070 (15021108)      0.04218 (16122108)
    0.05091 (16122108)      0.05244 (16122108)
 3731709.3 |      0.04143 (15021108)      0.03624 (15021108)      0.04548 (16122108)
    0.05098 (16122108)      0.04889 (16122108)
 3731608.0 |      0.03763 (15021108)      0.03903 (16122108)      0.04735 (16122108)
    0.04948 (16122108)      0.04430 (16122108)
 3731506.6 |      0.03356 (15021108)      0.04221 (16122108)      0.04774 (16122108)
    0.04662 (16122108)      0.03908 (16122108)
 3731405.2 |      0.03622 (16122108)      0.04414 (16122108)      0.04671 (16122108)
    0.04273 (16122108)      0.03806 (15120208)
 3731303.9 |      0.03926 (16122108)      0.04478 (16122108)      0.04443 (16122108)
    0.03816 (16122108)      0.03856 (15120208)
 3731202.5 |      0.04125 (16122108)      0.04413 (16122108)      0.04115 (16122108)
    0.03455 (15120208)      0.03887 (15120208)
 3731101.1 |      0.04207 (16122108)      0.04234 (16122108)      0.03719 (16122108)
    0.03546 (15120208)      0.03879 (15120208)
 3730999.8 |      0.04172 (16122108)      0.03959 (16122108)      0.03275 (16122108)
    0.03597 (15120208)      0.03829 (15120208)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , A0000001 , A0000002 , A0000003 , A0000004 ,
A0000005 , A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 ,
A0000013 , A0000014 , A0000015 , A0000016 , A0000808 , A0000772 , A0000773 , A0000774 ,
A0000775 , A0000782 , A0000783 , A0000784 , A0000785 , A0000786 , A0000787 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)			
	483061.07	483171.30	483281.53	483391.76	483501.99
3738501.1	0.06087 (15112408)	0.06180 (14022508)	0.06526 (10011908)	0.06669 (10020408)	0.06593 (10020308)
3738399.8	0.06230 (15112408)	0.06461 (14022508)	0.06445 (10011908)	0.06850 (10020408)	0.06783 (10020308)
3738298.4	0.06291 (15021708)	0.06614 (15112408)	0.06707 (14022508)	0.07116 (10011908)	0.07162 (10020408)
3738197.0	0.06499 (15021708)	0.06772 (15112408)	0.07047 (14022508)	0.07117 (10011908)	0.07490 (10020408)
3738095.6	0.07035 (14021408)	0.06897 (15021708)	0.07236 (15112408)	0.07332 (14022508)	0.07762 (10011908)
3737994.3	0.07542 (14021408)	0.07163 (15012708)	0.07419 (15112408)	0.07740 (14022508)	0.07876 (10011908)
3737892.9	0.07784 (14021408)	0.07855 (14021408)	0.07604 (15021708)	0.07972 (15112408)	0.08064 (14022508)
3737791.5	0.07696 (14021408)	0.08341 (14021408)	0.08044 (14021408)	0.08187 (15112408)	0.08583 (14022508)
3737690.2	0.08217 (10012008)	0.08479 (14021408)	0.08816 (14021408)	0.08452 (15021708)	0.08874 (15112408)
3737588.8	0.08673 (10012008)	0.08404 (10012008)	0.09239 (14021408)	0.09159 (14021408)	0.09106 (15112408)
3737487.4	0.08295 (10012008)	0.09249 (10012008)	0.09215 (14021408)	0.09928 (14021408)	0.09443 (15021708)
3737386.1	0.08446 (16012008)	0.09201 (10012008)	0.09730 (10012008)	0.10222 (14021408)	0.10475 (14021408)

```
3737284.7 |      0.08378 (16012008)      0.09100 (16012008)      0.10104 (10012008)
    0.10069 (10012008)      0.11199 (14021408)
3737183.3 |      0.07726 (16012008)      0.09184 (16012008)      0.09788 (16012008)
    0.10958 (10012008)      0.11303 (14021408)
3737082.0 |      0.07722 (15012008)      0.08580 (16012008)      0.10074 (16012008)
    0.10621 (10012008)      0.11717 (10012008)
3736980.6 |      0.09804 (11121208)      0.08393 (15012008)      0.09555 (16012008)
    0.11068 (16012008)      0.11917 (10012008)
3736879.2 |      0.10823 (11121208)      0.10641 (11121208)      0.09180 (15012008)
    0.10682 (16012008)      0.12182 (16012008)
3736777.8 |      0.11176 (11010308)      0.11619 (11121208)      0.11592 (11121208)
    0.10083 (15012008)      0.11996 (16012008)
3736676.5 |      0.10984 (11010308)      0.12127 (11010308)      0.12498 (11121208)
    0.12688 (11121208)      0.11144 (15012008)
3736575.1 |      0.10697 (15122108)      0.11448 (11010308)      0.13120 (11010308)
    0.13479 (11121208)      0.13944 (11121208)
3736473.7 |      0.12136 (16121308)      0.11899 (16121308)      0.12567 (15122108)
    0.14149 (11010308)      0.14581 (11121208)
3736372.4 |      0.13065 (11111608)      0.13171 (11111608)      0.13608 (16121308)
    0.13810 (15122108)      0.15214 (11010308)
3736271.0 |      0.12828 (11111608)      0.14302 (11111608)      0.15163 (11111608)
    0.15095 (11111608)      0.15164 (16121308)
3736169.6 |      0.12200 (10121516)      0.12867 (11111608)      0.15148 (11111608)
    0.16933 (11111608)      0.17864 (11111608)
3736068.2 |      0.11194 (10121516)      0.12823 (10121516)      0.14262 (10121516)
    0.15335 (11111608)      0.18229 (11111608)
3735966.9 |      0.12206 (10122808)      0.12061 (10122808)      0.12565 (10121516)
    0.14806 (10121516)      0.16871 (10121516)
3735865.5 |      0.13339 (10122808)      0.14285 (10122808)      0.15061 (10122808)
    0.15635 (10122808)      0.15955 (10122808)
3735764.1 |      0.10782 (10122808)      0.12449 (10122808)      0.14141 (10122808)
    0.15806 (10122808)      0.17398 (10122808)
3735662.8 |      0.11269 (16021608)      0.11986 (16021608)      0.12762 (16021608)
    0.13624 (16021608)      0.14590 (16021608)
3735561.4 |      0.12552 (16021608)      0.13556 (16021608)      0.14676 (16021608)
    0.15951 (16021608)      0.17413 (16021608)
3735460.0 |      0.12373 (14012808)      0.13457 (14012808)      0.14669 (14012808)
    0.16044 (14012808)      0.17619 (14012808)
3735358.7 |      0.13269 (16012708)      0.14465 (16012708)      0.15809 (16012708)
    0.17263 (16012708)      0.18860 (16012708)
3735257.3 |      0.13279 (16012708)      0.14032 (16012708)      0.14789 (16012708)
    0.15567 (16012708)      0.17675 (16021108)
3735155.9 |      0.12380 (16021108)      0.14201 (16021108)      0.16074 (16021108)
    0.17938 (16021108)      0.19689 (16021108)
3735054.5 |      0.14187 (16021108)      0.15273 (16021108)      0.16123 (16021108)
    0.16631 (16021108)      0.16905 (14121808)
3734953.2 |      0.13108 (16021108)      0.13084 (16021108)      0.14235 (14121808)
    0.15833 (15120108)      0.17774 (15120108)
3734851.8 |      0.12189 (14121808)      0.13423 (15120108)      0.14875 (15120108)
    0.15726 (15120108)      0.16829 (11120908)
```

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   PAREA1   , A0000001
, A0000002   , A0000003   , A0000004   ,
                A0000005   , A0000006   , A0000007   , A0000008   , A0000009
, A0000010   , A0000011   , A0000012   ,
                A0000013   , A0000014   , A0000015   , A0000016   , A0000808
, A0000772   , A0000773   , A0000774   ,
                A0000775   , A0000782   , A0000783   , A0000784   , A0000785
, A0000786   , A0000787   , . . .   ,

                                   *** NETWORK ID: UCART1   ; NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

  Y-COORD | X-COORD (METERS)
  (METERS) | 483061.07   483171.30   483281.53
      483391.76   483501.99
 -
- -

 3734446.3 | 0.11499 (11011008)   0.11694 (15121708)   0.12969 (16121208)
    0.12996 (16121208)   0.11779 (14122208)
 3734345.0 | 0.11079 (15121708)   0.12012 (16121208)   0.11649 (16121208)
    0.10657 (16122208)   0.09759 (16122208)
 3734243.6 | 0.11103 (16121208)   0.10443 (16121208)   0.09850 (16122208)
    0.08953 (16122208)   0.10593 (14010608)
 3734142.2 | 0.09376 (16121208)   0.09137 (16122208)   0.08254 (16122208)
    0.09429 (14010608)   0.11420 (11122908)
 3734040.9 | 0.08508 (16122208)   0.07639 (16122208)   0.08411 (14010608)
    0.10143 (14010608)   0.12083 (11122908)
 3733939.5 | 0.07099 (16122208)   0.07511 (14010608)   0.09264 (14010608)
    0.11026 (11122908)   0.11208 (11122908)
 3733838.1 | 0.06727 (14010608)   0.08450 (14010608)   0.09974 (11122908)

```
    0.10710 (11122908)      0.09228 (11122908)
3733736.7 |      0.07711 (14010608)      0.08952 (11122908)      0.10105 (11122908)
    0.09260 (11122908)      0.09926 (15021108)
3733635.4 |      0.08021 (14010608)      0.09454 (11122908)      0.09167 (11122908)
    0.08658 (15021108)      0.10096 (15021108)
3733534.0 |      0.08729 (11122908)      0.08903 (11122908)      0.07457 (11122908)
    0.09102 (15021108)      0.09707 (15021108)
3733432.6 |      0.08545 (11122908)      0.07580 (11122908)      0.08047 (15021108)
    0.09090 (15021108)      0.08916 (15021108)
3733331.3 |      0.07580 (11122908)      0.07032 (15021108)      0.08315 (15021108)
    0.08668 (15021108)      0.07859 (15021108)
3733229.9 |      0.06134 (11122908)      0.07493 (15021108)      0.08205 (15021108)
    0.07934 (15021108)      0.08112 (16122108)
3733128.5 |      0.06646 (15021108)      0.07614 (15021108)      0.07770 (15021108)
    0.06997 (15021108)      0.08397 (16122108)
3733027.1 |      0.06960 (15021108)      0.07439 (15021108)      0.07093 (15021108)
    0.07286 (16122108)      0.08272 (16122108)
3732925.8 |      0.07000 (15021108)      0.07006 (15021108)      0.06263 (15021108)
    0.07610 (16122108)      0.07789 (16122108)
3732824.4 |      0.06772 (15021108)      0.06382 (15021108)      0.06577 (16122108)
    0.07579 (16122108)      0.07033 (16122108)
3732723.0 |      0.06349 (15021108)      0.05642 (15021108)      0.06922 (16122108)
    0.07232 (16122108)      0.06150 (15120208)
3732621.7 |      0.05776 (15021108)      0.05968 (16122108)      0.06962 (16122108)
    0.06634 (16122108)      0.06227 (15120208)
3732520.3 |      0.05113 (15021108)      0.06320 (16122108)      0.06724 (16122108)
    0.05863 (16122108)      0.06195 (15120208)
3732418.9 |      0.05439 (16122108)      0.06416 (16122108)      0.06254 (16122108)
    0.05537 (15120208)      0.06039 (15120208)
3732317.6 |      0.05792 (16122108)      0.06263 (16122108)      0.05615 (16122108)
    0.05578 (15120208)      0.05842 (15120208)
3732216.2 |      0.05925 (16122108)      0.05896 (16122108)      0.04933 (15120208)
    0.05540 (15120208)      0.05574 (15120208)
3732114.8 |      0.05840 (16122108)      0.05367 (16122108)      0.05021 (15120208)
    0.05392 (15120208)      0.05252 (15120208)
3732013.5 |      0.05558 (16122108)      0.04735 (16122108)      0.05043 (15120208)
    0.05250 (15120208)      0.04949 (10011308)
3731912.1 |      0.05125 (16122108)      0.04523 (15120208)      0.04993 (15120208)
    0.05019 (15120208)      0.04772 (10011308)
3731810.7 |      0.04586 (16122108)      0.04588 (15120208)      0.04892 (15120208)
    0.04756 (15120208)      0.04512 (10011308)
3731709.3 |      0.04084 (15120208)      0.04595 (15120208)      0.04741 (15120208)
    0.04511 (10011308)      0.04184 (10011308)
3731608.0 |      0.04175 (15120208)      0.04546 (15120208)      0.04522 (15120208)
    0.04375 (10011308)      0.04056 (15121408)
3731506.6 |      0.04199 (15120208)      0.04429 (15120208)      0.04298 (15120208)
    0.04163 (10011308)      0.04204 (15121408)
3731405.2 |      0.04197 (15120208)      0.04297 (15120208)      0.04130 (10011308)
    0.03890 (10011308)      0.04298 (15121408)
3731303.9 |      0.04147 (15120208)      0.04127 (15120208)      0.04025 (10011308)
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 3738501.1 | 0.06621 (10020108)   0.07127 (15011208)   0.07155 (10121508)
    0.07135 (14020408)   0.07165 (11011808)
 3738399.8 | 0.06765 (10020308)   0.07232 (15011208)   0.07269 (10121508)
    0.07467 (14020408)   0.07507 (11011808)
 3738298.4 | 0.07169 (10020308)   0.07184 (15011208)   0.07672 (15011208)
    0.07759 (14020408)   0.07787 (11011808)
 3738197.0 | 0.07484 (10020308)   0.07446 (10020108)   0.08030 (15011208)
    0.08075 (10121508)   0.07991 (14020408)
 3738095.6 | 0.07677 (10020308)   0.07780 (10020308)   0.08231 (15011208)
    0.08339 (10121508)   0.08489 (14020408)
 3737994.3 | 0.08177 (10020408)   0.08262 (10020308)   0.08240 (15011208)
    0.08605 (15011208)   0.08951 (14020408)

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3737892.9 |      0.08475 (10011908)      0.08605 (10020308)      0.08465 (10020108)
    0.09120 (15011208)      0.09361 (14020408)
3737791.5 |      0.08741 (10011908)      0.08894 (10020408)      0.09072 (10020308)
    0.09451 (15011208)      0.09699 (14020408)
3737690.2 |      0.08947 (14022508)      0.09333 (10020408)      0.09640 (10020308)
    0.09557 (15011208)      0.09928 (14020408)
3737588.8 |      0.09586 (14022508)      0.09725 (10011908)      0.10029 (10020308)
    0.09903 (10020308)      0.10440 (15011208)
3737487.4 |      0.09950 (15112408)      0.10010 (14022508)      0.10358 (10020408)
    0.10762 (10020308)      0.10960 (15011208)
3737386.1 |      0.10220 (15112408)      0.10817 (14022508)      0.10839 (10011908)
    0.11439 (10020308)      0.11221 (15011208)
3737284.7 |      0.10825 (14021408)      0.11275 (15112408)      0.11294 (14022508)
    0.11842 (10020308)      0.11929 (10020308)
3737183.3 |      0.12056 (14021408)      0.11583 (15112408)      0.12326 (14022508)
    0.12103 (10011908)      0.13013 (10020308)
3737082.0 |      0.12654 (14021408)      0.12686 (14021408)      0.12924 (15112408)
    0.12863 (14022508)      0.13810 (10020308)
3736980.6 |      0.12432 (14021408)      0.13926 (14021408)      0.13355 (15021708)
    0.14218 (14022508)      0.14243 (10020308)
3736879.2 |      0.13209 (10012008)      0.14302 (14021408)      0.14991 (14021408)
    0.15012 (15112408)      0.14838 (14022508)
3736777.8 |      0.13404 (16012008)      0.14431 (10012008)      0.16189 (14021408)
    0.15682 (14021408)      0.16627 (14022508)
3736676.5 |      0.13536 (16012008)      0.14748 (16012008)      0.16110 (14021408)
    0.17925 (14021408)      0.17727 (15112408)
3736575.1 |      0.12406 (15012008)      0.15308 (16012008)      0.16323 (10012008)
    0.18873 (14021408)      0.19202 (14021408)
3736473.7 |      0.15405 (11121208)      0.14104 (16012008)      0.17419 (16012008)
    0.18363 (10012008)      0.21354 (14021408)
3736372.4 |      0.16266 (11010308)      0.17125 (11121208)      0.16474 (16012008)
    0.19908 (16012008)      0.21823 (14021408)
3736271.0 |      0.16513 (15122108)      0.18211 (11010308)      0.19223 (15012008)
    0.19433 (16012008)      0.22507 (16012008)
3736169.6 |      0.17502 (11111608)      0.18723 (15122108)      0.20407 (11010308)
    0.22164 (15012008)      0.22840 (16012008)
3736068.2 |      0.20455 (11111608)      0.21414 (11111608)      0.21151 (15122108)
    0.22925 (15122108)      0.25438 (15012008)
3735966.9 |      0.18697 (11111608)      0.22469 (11111608)      0.25311 (11111608)
    0.26380 (11111608)      0.26833 (15122108)
3735865.5 |      0.17238 (10121516)      0.20332 (10121516)      0.23407 (11111608)
    0.28495 (11111608)      0.31845 (11111608)
3735764.1 |      0.18876 (10122808)      0.20265 (10122808)      0.21581 (10122808)
    0.24850 (10121516)      0.29847 (11111608)
3735662.8 |      0.16484 (10122808)      0.19056 (10122808)      0.21619 (10122808)
    0.24193 (10122808)      0.26926 (10122808)
3735561.4 |      0.19100 (16021608)      0.21065 (16021608)      0.23377 (16021608)
    0.26133 (16021608)      0.29460 (16021608)
3735460.0 |      0.19425 (14012808)      0.21482 (14012808)      0.23961 (16012708)
    0.27225 (16012708)      0.31100 (16012708)
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 3735358.7 |      0.20605 (16012708)      0.22535 (16012708)      0.24642 (16012708)
     0.27543 (16021108)      0.32634 (16021108)
 3735257.3 |      0.20582 (16021108)      0.23550 (16021108)      0.26480 (16021108)
     0.29258 (16021108)      0.31771 (16021108)
 3735155.9 |      0.21140 (16021108)      0.22139 (16021108)      0.23469 (15120108)
     0.27374 (15120108)      0.29976 (15120108)
 3735054.5 |      0.19030 (15120108)      0.21772 (15120108)      0.23404 (15120108)
     0.26095 (11120908)      0.26885 (11120908)
 3734953.2 |      0.18918 (15120108)      0.20773 (11120908)      0.22144 (11120908)
     0.22578 (16121208)      0.24079 (14122208)
 3734851.8 |      0.18414 (11120908)      0.18429 (11120908)      0.20212 (16121208)
     0.20388 (14122208)      0.19346 (14010608)
 3734750.4 |      0.16272 (15121708)      0.18087 (16121208)      0.17508 (14122208)
     0.16287 (14010608)      0.21184 (11122908)
 3734649.1 |      0.16193 (16121208)      0.15177 (14122208)      0.13845 (14010608)
     0.18150 (11122908)      0.19734 (11122908)
 3734547.7 |      0.13311 (14122208)      0.11847 (14010608)      0.15456 (11122908)
     0.18101 (11122908)      0.18863 (15021108)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                  PAGE 119
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     PAREA1      , A0000001
, A0000002    , A0000003    , A0000004    ,
                A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
                A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                **

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       483612.22              483722.45              483832.68
      483942.91              484053.14
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 3734446.3 |      0.10697 (16122208)      0.13445 (14010608)      0.16376 (11122908)
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```
    0.15768 (15021108)      0.18171 (15021108)
3734345.0 |      0.11921 (14010608)      0.14649 (11122908)      0.14819 (11122908)
    0.16224 (15021108)      0.16183 (15021108)
3734243.6 |      0.12982 (11122908)      0.14035 (11122908)      0.14018 (15021108)
    0.15404 (15021108)      0.15434 (16122108)
3734142.2 |      0.13102 (11122908)      0.11786 (15021108)      0.14097 (15021108)
    0.13662 (15021108)      0.14806 (16122108)
3734040.9 |      0.11557 (11122908)      0.12508 (15021108)      0.13232 (15021108)
    0.13343 (16122108)      0.13399 (16122108)
3733939.5 |      0.10828 (15021108)      0.12355 (15021108)      0.11741 (15021108)
    0.13070 (16122108)      0.12918 (15120208)
3733838.1 |      0.11203 (15021108)      0.11529 (15021108)      0.11643 (16122108)
    0.12087 (16122108)      0.12482 (15120208)
3733736.7 |      0.10910 (15021108)      0.10176 (15021108)      0.11611 (16122108)
    0.10870 (15120208)      0.11761 (15120208)
3733635.4 |      0.10127 (15021108)      0.10274 (16122108)      0.10965 (16122108)
    0.10782 (15120208)      0.10849 (15120208)
3733534.0 |      0.08923 (15021108)      0.10378 (16122108)      0.09795 (16122108)
    0.10400 (15120208)      0.09802 (15120208)
3733432.6 |      0.09093 (16122108)      0.09940 (16122108)      0.09265 (15120208)
    0.09824 (15120208)      0.08718 (15120208)
3733331.3 |      0.09314 (16122108)      0.09060 (16122108)      0.09137 (15120208)
    0.09107 (15120208)      0.08815 (15121408)
3733229.9 |      0.09057 (16122108)      0.07971 (15120208)      0.08820 (15120208)
    0.08306 (15120208)      0.08775 (15121408)
3733128.5 |      0.08398 (16122108)      0.08003 (15120208)      0.08359 (15120208)
    0.07476 (15120208)      0.08588 (15121408)
3733027.1 |      0.07453 (16122108)      0.07871 (15120208)      0.07795 (15120208)
    0.07322 (15121408)      0.08272 (15121408)
3732925.8 |      0.07013 (15120208)      0.07602 (15120208)      0.07165 (15120208)
    0.07429 (15121408)      0.07860 (15121408)
3732824.4 |      0.07007 (15120208)      0.07223 (15120208)      0.06503 (15120208)
    0.07411 (15121408)      0.07363 (15121408)
3732723.0 |      0.06872 (15120208)      0.06769 (15120208)      0.06100 (15121408)
    0.07254 (15121408)      0.06790 (15121408)
3732621.7 |      0.06641 (15120208)      0.06224 (15120208)      0.06269 (15121408)
    0.07020 (15121408)      0.06212 (15121408)
3732520.3 |      0.06290 (15120208)      0.05787 (10011308)      0.06353 (15121408)
    0.06707 (15121408)      0.05953 (14122308)
3732418.9 |      0.05913 (15120208)      0.05380 (10011308)      0.06337 (15121408)
    0.06319 (15121408)      0.05701 (14122308)
3732317.6 |      0.05503 (15120208)      0.05303 (15121408)      0.06223 (15121408)
    0.05880 (15121408)      0.05395 (14122308)
3732216.2 |      0.05240 (10011308)      0.05442 (15121408)      0.06030 (15121408)
    0.05397 (15121408)      0.04978 (14122308)
3732114.8 |      0.04910 (10011308)      0.05503 (15121408)      0.05777 (15121408)
    0.04809 (15121408)      0.04303 (14122308)
3732013.5 |      0.04508 (10011308)      0.05496 (15121408)      0.05500 (15121408)
    0.04705 (14122308)      0.04175 (14122308)
3731912.1 |      0.04691 (15121408)      0.05426 (15121408)      0.05177 (15121408)
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    0.04638 (14122308)      0.04411 (14122308)
 3731810.7 |      0.04811 (15121408)      0.05296 (15121408)      0.04825 (15121408)
    0.04514 (14122308)      0.04224 (14122308)
 3731709.3 |      0.04869 (15121408)      0.05110 (15121408)      0.04457 (15121408)
    0.04344 (14122308)      0.03993 (14122308)
 3731608.0 |      0.04863 (15121408)      0.04879 (15121408)      0.04181 (14122308)
    0.04170 (14122308)      0.03776 (14122308)
 3731506.6 |      0.04809 (15121408)      0.04617 (15121408)      0.04078 (14122308)
    0.04000 (14122308)      0.03572 (14122308)
 3731405.2 |      0.04700 (15121408)      0.04331 (15121408)      0.03967 (14122308)
    0.03824 (14122308)      0.03367 (14122308)
 3731303.9 |      0.04549 (15121408)      0.04031 (15121408)      0.03849 (14122308)
    0.03655 (14122308)      0.03182 (14122308)
 3731202.5 |      0.04364 (15121408)      0.03722 (15121408)      0.03729 (14122308)
    0.03489 (14122308)      0.02993 (14122308)
 3731101.1 |      0.04152 (15121408)      0.03607 (14122308)      0.03609 (14122308)
    0.03328 (14122308)      0.02826 (14122308)
 3730999.8 |      0.03917 (15121408)      0.03533 (14122308)      0.03485 (14122308)
    0.03171 (14122308)      0.02661 (14122308)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

                                 PAGE 120
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     PAREA1      , A0000001
, A0000002    , A0000003    , A0000004    ,
                A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
                A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                **

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       484163.37              484273.60              484383.83
      484494.06              484604.29
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
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3738501.1 |      0.07126 (14020508)      0.07259 (15120808)      0.07303 (14112508)
    0.06918 (14112508)      0.07317 (14021208)
3738399.8 |      0.07460 (14020508)      0.07603 (15120808)      0.07595 (14112508)
    0.07283 (14112508)      0.07624 (14021208)
3738298.4 |      0.07786 (14020508)      0.07950 (15120808)      0.07887 (14112508)
    0.07670 (14112508)      0.07952 (14021208)
3738197.0 |      0.08097 (14020508)      0.08299 (15120808)      0.08191 (14112508)
    0.08084 (14112508)      0.08304 (14021208)
3738095.6 |      0.08386 (14020508)      0.08643 (15120808)      0.08502 (14112508)
    0.08523 (14112508)      0.08686 (14021208)
3737994.3 |      0.08757 (11011808)      0.08971 (15120808)      0.08902 (11111808)
    0.08996 (14112508)      0.09097 (14021208)
3737892.9 |      0.09204 (11011808)      0.09352 (14020508)      0.09405 (15120808)
    0.09490 (14112508)      0.09532 (14021208)
3737791.5 |      0.09643 (14020408)      0.09865 (14020508)      0.09981 (15120808)
    0.10024 (14112508)      0.10010 (14021208)
3737690.2 |      0.10351 (14020408)      0.10376 (14020508)      0.10575 (15120808)
    0.10583 (14112508)      0.10514 (14021208)
3737588.8 |      0.11006 (14020408)      0.10849 (14020508)      0.11176 (15120808)
    0.11173 (14112508)      0.11057 (14021208)
3737487.4 |      0.11589 (14020408)      0.11280 (14020508)      0.11790 (15120808)
    0.11799 (14112508)      0.11648 (14021208)
3737386.1 |      0.12076 (14020408)      0.11939 (14020408)      0.12403 (15120808)
    0.12470 (14112508)      0.12291 (14021208)
3737284.7 |      0.12416 (14020408)      0.12974 (14020408)      0.13038 (14020508)
    0.13171 (14112508)      0.13013 (14021208)
3737183.3 |      0.12864 (15011208)      0.13983 (14020408)      0.13931 (14020508)
    0.13908 (14112508)      0.13807 (14021208)
3737082.0 |      0.13366 (15011208)      0.14883 (14020408)      0.14785 (14020508)
    0.14979 (15120808)      0.14679 (14021208)
3736980.6 |      0.14704 (10020308)      0.15630 (14020408)      0.15596 (14020508)
    0.16156 (15120808)      0.15599 (14112508)
3736879.2 |      0.16101 (10020308)      0.16165 (14020408)      0.16919 (14020408)
    0.17143 (15120808)      0.16889 (14112508)
3736777.8 |      0.17102 (10020308)      0.16277 (10020308)      0.18285 (14020408)
    0.18365 (15120808)      0.18236 (14112508)
3736676.5 |      0.17474 (10020308)      0.18424 (10020308)      0.19738 (14020408)
    0.19599 (15120808)      0.19725 (14112508)
3736575.1 |      0.19581 (14022508)      0.20275 (10020308)      0.21068 (14020408)
    0.21343 (14020508)      0.21577 (14112508)
3736473.7 |      0.21165 (15112408)      0.21583 (10020308)      0.22153 (14020408)
    0.23068 (14020508)      0.23439 (14112508)
3736372.4 |      0.23761 (14021408)      0.23902 (14022508)      0.24533 (10020308)
    0.25866 (14020408)      0.25829 (14112508)
3736271.0 |      0.26239 (14021408)      0.26454 (14022508)      0.27414 (10020308)
    0.28789 (14020408)      0.28398 (15120808)
3736169.6 |      0.25870 (16012008)      0.30563 (14021408)      0.30186 (14022508)
    0.31772 (14020408)      0.31630 (15120808)
3736068.2 |      0.27581 (16012008)      0.32938 (14021408)      0.34495 (14022508)
    0.34912 (14020408)      0.35348 (15120808)
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 3735966.9 |      0.30179 (15012008)      0.33757 (16012008)      0.40880 (14021408)
     0.39935 (10020308)      0.40126 (14020408)
 3735865.5 |      0.33263 (11111608)      0.36544 (15012008)      0.42877 (14021408)
     0.48140 (14021408)      0.46393 (14020408)
 3735764.1 |      0.36874 (11111608)      0.43283 (11111608)      0.46958 (11111608)
     0.60638 (14021408)      0.54755 (14022508)
 3735662.8 |      0.30395 (10121516)      0.40638 (11111608)      0.51794 (11111608)
     0.64131 (11111608)      0.59014 (14021408)
 3735561.4 |      0.33014 (16021608)      0.38320 (16021608)      0.46371 (16021608)
     0.62488 (16010616)      0.62926 (16010616)
 3735460.0 |      0.35590 (16012708)      0.39854 (16012708)      0.49227 (16021108)
     0.62819 (16010616)      0.62645 (16010616)
 3735358.7 |      0.37914 (16021108)      0.44100 (16021108)      0.49891 (16021108)
     0.60023 (16121208)      0.55989 (11122908)
 3735257.3 |      0.35910 (15120108)      0.41044 (15120108)      0.46813 (11120908)
     0.50591 (11122908)      0.49507 (15120208)
 3735155.9 |      0.33734 (11120908)      0.35253 (14122208)      0.37897 (11122908)
     0.43466 (15120208)      0.43982 (15120208)
 3735054.5 |      0.28817 (14122208)      0.29465 (11122908)      0.33465 (15021108)
     0.38257 (15120208)      0.36176 (15120208)
 3734953.2 |      0.23369 (11122908)      0.28159 (11122908)      0.29934 (15021108)
     0.33647 (15120208)      0.30430 (14122308)
 3734851.8 |      0.24526 (11122908)      0.26497 (15021108)      0.27774 (15120208)
     0.29267 (15120208)      0.26816 (14122308)
 3734750.4 |      0.22179 (15021108)      0.23846 (15021108)      0.26264 (15120208)
     0.24837 (15120208)      0.23523 (14122308)
 3734649.1 |      0.21732 (15021108)      0.21451 (16122108)      0.24054 (15120208)
     0.21933 (14122308)      0.20903 (11011208)
 3734547.7 |      0.19503 (15021108)      0.20398 (15120208)      0.21401 (15120208)
     0.20186 (14122308)      0.19411 (11011208)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                  PAGE 121
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     PAREA1      , A0000001
, A0000002    , A0000003    , A0000004    ,
                  A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
                  A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                  A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
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GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

Y-COORD (METERS)	X-COORD (METERS)				
	484163.37	484273.60	484383.83	484494.06	484604.29
3734446.3	0.18072 (16122108)	0.19621 (15120208)	0.18565 (15120208)	0.18504 (14122308)	0.18139 (11011208)
3734345.0	0.16912 (16122108)	0.18239 (15120208)	0.16388 (15121408)	0.16856 (14122308)	0.17057 (11011208)
3734243.6	0.15939 (15120208)	0.16468 (15120208)	0.15344 (15121408)	0.15248 (14122308)	0.16078 (11011208)
3734142.2	0.15395 (15120208)	0.14529 (15120208)	0.14308 (14122308)	0.13772 (14122308)	0.15217 (11011208)
3734040.9	0.14417 (15120208)	0.13241 (15121408)	0.13477 (14122308)	0.12360 (14122308)	0.14417 (11011208)
3733939.5	0.13163 (15120208)	0.12776 (15121408)	0.12633 (14122308)	0.11229 (10020808)	0.13697 (11011208)
3733838.1	0.11770 (15120208)	0.12131 (15121408)	0.11751 (14122308)	0.10824 (10020808)	0.13029 (11011208)
3733736.7	0.10705 (15121408)	0.11326 (15121408)	0.10894 (14122308)	0.10433 (10020808)	0.12396 (11011208)
3733635.4	0.10647 (15121408)	0.10410 (15121408)	0.10038 (14122308)	0.10054 (10020808)	0.11816 (11011208)
3733534.0	0.10351 (15121408)	0.09803 (14122308)	0.09248 (14122308)	0.09674 (10020808)	0.11270 (11011208)
3733432.6	0.09905 (15121408)	0.09310 (14122308)	0.08475 (14122308)	0.09343 (10020808)	0.10749 (11011208)
3733331.3	0.09330 (15121408)	0.08782 (14122308)	0.07745 (14122308)	0.08981 (11011208)	0.10282 (11011208)
3733229.9	0.08666 (15121408)	0.08249 (14122308)	0.07078 (14122308)	0.08728 (11011208)	0.09811 (11011208)
3733128.5	0.07938 (15121408)	0.07722 (14122308)	0.06953 (10020808)	0.08484 (11011208)	0.09379 (11011208)
3733027.1	0.07518 (14122308)	0.07218 (14122308)	0.06853 (10020808)	0.08250 (11011208)	0.08969 (11011208)
3732925.8	0.07200 (14122308)	0.06720 (14122308)	0.06743 (10020808)	0.08017 (11011208)	0.08585 (11011208)
3732824.4	0.06866 (14122308)	0.06250 (14122308)	0.06620 (10020808)	0.07795 (11011208)	0.08220 (11011208)
3732723.0	0.06472 (14122308)	0.05791 (14122308)	0.06490 (10020808)	0.07575 (11011208)	0.07880 (11011208)
3732621.7	0.06133 (14122308)	0.05333 (14122308)	0.06334 (10020808)	0.07360 (11011208)	0.07553 (11011208)
3732520.3	0.05776 (14122308)	0.04934 (14122308)	0.06188 (10020808)		

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    0.07129 (11011208)      0.07244 (11011208)
 3732418.9 |      0.05346 (14122308)      0.04681 (10020808)      0.06032 (10020808)
    0.06927 (11011208)      0.06931 (11011208)
 3732317.6 |      0.04741 (14122308)      0.04685 (10020808)      0.05875 (10020808)
    0.06726 (11011208)      0.06652 (11011208)
 3732216.2 |      0.04660 (14122308)      0.04676 (10020808)      0.05718 (10020808)
    0.06529 (11011208)      0.06389 (11011208)
 3732114.8 |      0.04282 (14122308)      0.04645 (10020808)      0.05556 (10020808)
    0.06338 (11011208)      0.06140 (11011208)
 3732013.5 |      0.04101 (14122308)      0.04624 (10020808)      0.05395 (10020808)
    0.06151 (11011208)      0.05899 (11011208)
 3731912.1 |      0.03870 (14122308)      0.04575 (10020808)      0.05228 (10020808)
    0.05964 (11011208)      0.05664 (11011208)
 3731810.7 |      0.03539 (14122308)      0.04471 (10020808)      0.05054 (10020808)
    0.05778 (11011208)      0.05446 (11011208)
 3731709.3 |      0.03252 (10020808)      0.04218 (10020808)      0.04817 (10020808)
    0.05572 (11011208)      0.05223 (11011208)
 3731608.0 |      0.03260 (10020808)      0.04012 (10020808)      0.04671 (11011208)
    0.05361 (11011208)      0.04891 (11011208)
 3731506.6 |      0.03348 (10020808)      0.04226 (10020808)      0.04596 (11011208)
    0.05058 (11011208)      0.04431 (11011208)
 3731405.2 |      0.03376 (10020808)      0.04224 (10020808)      0.04564 (11011208)
    0.05025 (11011208)      0.04360 (11011208)
 3731303.9 |      0.03393 (10020808)      0.04164 (10020808)      0.04520 (11011208)
    0.04927 (11011208)      0.04419 (11011208)
 3731202.5 |      0.03397 (10020808)      0.04089 (10020808)      0.04451 (11011208)
    0.04806 (11011208)      0.04303 (11011208)
 3731101.1 |      0.03390 (10020808)      0.04008 (10020808)      0.04366 (11011208)
    0.04650 (11011208)      0.04160 (11011208)
 3730999.8 |      0.03384 (10020808)      0.03911 (10020808)      0.04260 (11011208)
    0.04506 (11011208)      0.04004 (11011208)
1 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

                                   PAGE 122
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     PAREA1      , A0000001
, A0000002    , A0000003    , A0000004    ,
                A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
                A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,
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*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	484714.52	484824.75	484934.98	485045.21	485155.44
3738501.1	0.06821 (10020208)	0.07044 (15021008)	0.07122 (16011308)	0.07342 (16010708)	0.07210 (14011408)
3738399.8	0.07110 (14021208)	0.07357 (15021008)	0.07369 (16011308)	0.07572 (16010708)	0.07529 (14011408)
3738298.4	0.07429 (14021208)	0.07687 (15021008)	0.07624 (16011308)	0.07795 (16010708)	0.07826 (14011408)
3738197.0	0.07780 (14021208)	0.08044 (15021008)	0.07980 (16010708)	0.08083 (10021508)	0.08101 (14011408)
3738095.6	0.08162 (14021208)	0.08434 (15021008)	0.08402 (16010708)	0.08430 (10021508)	0.08343 (14011408)
3737994.3	0.08568 (14021208)	0.08853 (15021008)	0.08839 (16010708)	0.08791 (10021508)	0.08540 (14011408)
3737892.9	0.09016 (14021208)	0.09300 (15021008)	0.09287 (16010708)	0.09149 (10021508)	0.08692 (14011408)
3737791.5	0.09494 (14021208)	0.09779 (15021008)	0.09740 (16010708)	0.09583 (14011408)	0.09054 (14012908)
3737690.2	0.10012 (14021208)	0.10289 (15021008)	0.10204 (16010708)	0.10086 (14011408)	0.09598 (14012908)
3737588.8	0.10582 (14021208)	0.10838 (15021008)	0.10794 (10021508)	0.10562 (14011408)	0.10125 (14012908)
3737487.4	0.11206 (14021208)	0.11443 (15021008)	0.11457 (10021508)	0.11003 (14011408)	0.10481 (14012908)
3737386.1	0.11908 (14021208)	0.12110 (15021008)	0.12155 (10021508)	0.11343 (14011408)	0.10787 (14012908)
3737284.7	0.12682 (14021208)	0.12830 (15021008)	0.12796 (10021508)	0.11709 (14011408)	0.11268 (10123108)
3737183.3	0.13542 (14021208)	0.13632 (15021008)	0.13585 (10021508)	0.12297 (14012908)	0.12325 (10123108)
3737082.0	0.14504 (14021208)	0.14502 (15021008)	0.14367 (10021508)	0.13048 (14012908)	0.13210 (10123108)
3736980.6	0.15405 (14021208)	0.15255 (15021008)	0.15201 (10021508)	0.13713 (14012908)	0.14089 (14121508)
3736879.2	0.16528 (14021208)	0.16267 (15021008)	0.16019 (10021508)	0.14278 (14012908)	0.14943 (14121508)
3736777.8	0.17802 (14021208)	0.17641 (10021508)	0.16792 (10021508)	0.15886 (14121508)	0.15438 (14112708)
3736676.5	0.19237 (14021208)	0.19178 (10021508)	0.17617 (10021508)	0.17472 (14121508)	0.17658 (14112708)

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 3736575.1 |      0.20873 (14021208)      0.20915 (10021508)      0.18482 (10021508)
     0.19143 (14121508)      0.19753 (14112708)
 3736473.7 |      0.22796 (14021208)      0.22781 (10021508)      0.19659 (14121508)
     0.20377 (14112708)      0.21171 (14021308)
 3736372.4 |      0.24936 (14021208)      0.24626 (10021508)      0.22046 (14121508)
     0.22903 (14112708)      0.22186 (14021308)
 3736271.0 |      0.27397 (14021208)      0.26593 (10021508)      0.23552 (14121508)
     0.20602 (10011508)      0.20104 (11012808)
 3736169.6 |      0.30233 (14021208)      0.28468 (10021508)      0.22881 (14112708)
     0.18908 (10010808)      0.20323 (16011908)
 3736068.2 |      0.33520 (14021208)      0.31174 (10021508)      0.20373 (10011508)
     0.14853 (14120208)      0.21440 (16120608)
 3735966.9 |      0.37430 (14021208)      0.34937 (10021508)      0.25525 (10010808)
     0.23065 (16011908)      0.26165 (14020708)
 3735865.5 |      0.42870 (14112508)      0.40572 (14112708)      0.36819 (14021308)
     0.32645 (14020708)      0.29937 (10122108)
 3735764.1 |      0.50448 (14112508)      0.48419 (14021308)      0.45584 (15120708)
     0.32445 (10122108)      0.30919 (15022008)
 3735662.8 |      0.51785 (10010808)      0.56013 (14020708)      0.55841 (10122108)
     0.35993 (16012808)      0.30894 (15010908)
 3735561.4 |      0.55676 (16010616)      0.50026 (10122108)      0.52646 (16012808)
     0.38356 (15012608)      0.31909 (15012608)
 3735460.0 |      0.55484 (16010616)      0.49417 (16122908)      0.52980 (15011308)
     0.43411 (15020508)      0.35581 (15020508)
 3735358.7 |      0.51008 (16122108)      0.56122 (10121608)      0.56764 (14120808)
     0.45899 (15020508)      0.39154 (15020508)
 3735257.3 |      0.49948 (15020908)      0.51088 (10021608)      0.51146 (10121608)
     0.47739 (14120808)      0.35860 (14120808)
 3735155.9 |      0.44342 (11113008)      0.45474 (15020908)      0.44045 (10021608)
     0.39213 (16012108)      0.39007 (14120808)
 3735054.5 |      0.38243 (11113008)      0.38982 (15020908)      0.37221 (10021608)
     0.32732 (10122408)      0.31838 (16012108)
 3734953.2 |      0.33737 (11113008)      0.34177 (15020908)      0.30838 (15020908)
     0.30590 (10021608)      0.27541 (10122408)
 3734851.8 |      0.30281 (11113008)      0.30036 (15020908)      0.28731 (15020908)
     0.27931 (10021608)      0.24270 (14012408)
 3734750.4 |      0.27199 (11113008)      0.26323 (15020908)      0.26722 (15020908)
     0.24099 (10021608)      0.23225 (10021608)
 3734649.1 |      0.24558 (11113008)      0.23490 (11113008)      0.24827 (15020908)
     0.20781 (11010708)      0.22064 (10021608)
 3734547.7 |      0.22343 (11113008)      0.21650 (11113008)      0.22802 (15020908)
     0.18827 (15020908)      0.19653 (10021608)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                  PAGE 123
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 , A0000808 , A0000772 , A0000773 , A0000774 , A0000775 , A0000782 , A0000783 , A0000784 , A0000785 , A0000786 , A0000787 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	484714.52	484824.75	484934.98	485045.21	485155.44
3734446.3	0.20388 (11113008)	0.20093 (11113008)	0.20852 (15020908)	0.18592 (15020908)	0.17279 (11010708)
3734345.0	0.18693 (11113008)	0.18691 (11113008)	0.18862 (15020908)	0.18021 (15020908)	0.15618 (11010708)
3734243.6	0.17162 (11113008)	0.17436 (11113008)	0.16983 (15020908)	0.17300 (15020908)	0.14368 (14010308)
3734142.2	0.15857 (11113008)	0.16332 (11113008)	0.15281 (11120708)	0.16364 (15020908)	0.13588 (14010308)
3734040.9	0.14669 (11113008)	0.15323 (11113008)	0.14382 (11120708)	0.15371 (15020908)	0.13342 (15020908)
3733939.5	0.13634 (11113008)	0.14383 (11113008)	0.13488 (11120708)	0.14304 (15020908)	0.13201 (15020908)
3733838.1	0.12715 (11113008)	0.13548 (11113008)	0.12658 (11120708)	0.13187 (15020908)	0.12884 (15020908)
3733736.7	0.11882 (11113008)	0.12784 (11113008)	0.11863 (11120708)	0.12087 (15020908)	0.12419 (15020908)
3733635.4	0.11123 (11113008)	0.12057 (11113008)	0.11140 (11120708)	0.11068 (15020908)	0.11904 (15020908)
3733534.0	0.10452 (11113008)	0.11413 (11113008)	0.10598 (14120908)	0.10246 (11120708)	0.11262 (15020908)
3733432.6	0.09826 (11113008)	0.10800 (11113008)	0.10136 (14120908)	0.09818 (11120708)	0.10589 (15020908)
3733331.3	0.09260 (11113008)	0.10245 (11113008)	0.09686 (14120908)	0.09389 (10120708)	0.09880 (15020908)
3733229.9	0.08759 (11113008)	0.09734 (11113008)	0.09242 (14120908)	0.09045 (10120708)	0.09173 (15020908)
3733128.5	0.08291 (11113008)	0.09261 (11113008)	0.08812 (14120908)		

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    0.08685 (10120708)      0.08479 (15020908)
 3733027.1 |      0.07856 (11113008)      0.08821 (11113008)      0.08372 (14120908)
    0.08309 (10120708)      0.07822 (15020908)
 3732925.8 |      0.07467 (11113008)      0.08406 (11113008)      0.07989 (11113008)
    0.07921 (10120708)      0.07388 (11120708)
 3732824.4 |      0.07108 (11113008)      0.08025 (11113008)      0.07692 (11113008)
    0.07550 (14120908)      0.07266 (10120708)
 3732723.0 |      0.06766 (11113008)      0.07665 (11113008)      0.07421 (11113008)
    0.07352 (14120908)      0.07130 (10120708)
 3732621.7 |      0.06453 (11113008)      0.07336 (11113008)      0.07154 (11113008)
    0.07141 (14120908)      0.06970 (10120708)
 3732520.3 |      0.06161 (11113008)      0.07021 (11113008)      0.06900 (11113008)
    0.06923 (14120908)      0.06781 (10120708)
 3732418.9 |      0.05890 (11113008)      0.06728 (11113008)      0.06659 (11113008)
    0.06701 (14120908)      0.06574 (10120708)
 3732317.6 |      0.05603 (11113008)      0.06412 (11113008)      0.06389 (11113008)
    0.06475 (14120908)      0.06353 (10120708)
 3732216.2 |      0.05373 (11113008)      0.06153 (11113008)      0.06173 (11113008)
    0.06229 (14120908)      0.06104 (10120708)
 3732114.8 |      0.05153 (11113008)      0.05910 (11113008)      0.05970 (11113008)
    0.06001 (14120908)      0.05866 (10120708)
 3732013.5 |      0.04948 (11113008)      0.05687 (11113008)      0.05775 (11113008)
    0.05776 (14120908)      0.05621 (10120708)
 3731912.1 |      0.04744 (11113008)      0.05466 (11113008)      0.05579 (11113008)
    0.05553 (14120908)      0.05404 (14120908)
 3731810.7 |      0.04543 (11113008)      0.05241 (11113008)      0.05386 (11113008)
    0.05326 (14120908)      0.05301 (14120908)
 3731709.3 |      0.04353 (11113008)      0.05028 (11113008)      0.05181 (11113008)
    0.05104 (14120908)      0.05189 (14120908)
 3731608.0 |      0.04189 (14121208)      0.04789 (11113008)      0.04965 (11113008)
    0.04888 (14120908)      0.05067 (14120908)
 3731506.6 |      0.03992 (14121208)      0.04486 (11113008)      0.04791 (11113008)
    0.04675 (14120908)      0.04939 (14120908)
 3731405.2 |      0.03650 (14121208)      0.03517 (10112608)      0.04591 (11113008)
    0.04469 (14120908)      0.04804 (14120908)
 3731303.9 |      0.03716 (14121208)      0.03248 (10112608)      0.04389 (11113008)
    0.04259 (11113008)      0.04639 (14120908)
 3731202.5 |      0.03709 (14121208)      0.03285 (10112608)      0.03426 (10120808)
    0.04070 (11113008)      0.04506 (14120908)
 3731101.1 |      0.03620 (14121208)      0.03910 (11113008)      0.03310 (10120808)
    0.03899 (11113008)      0.04361 (14120908)
 3730999.8 |      0.03516 (14121208)      0.03821 (11113008)      0.03791 (11113008)
    0.03845 (11113008)      0.04164 (14120908)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 , A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 , A0000808 , A0000772 , A0000773 , A0000774 , A0000775 , A0000782 , A0000783 , A0000784 , A0000785 , A0000786 , A0000787 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485265.67	485375.90	485486.13	485596.36	485706.59
3738501.1	0.06759 (14011408)	0.06862 (14012908)	0.06579 (10123108)	0.06896 (10123108)	0.06115 (10120908)
3738399.8	0.06972 (14012908)	0.06987 (14012908)	0.07065 (10123108)	0.06961 (10123108)	0.06557 (14122408)
3738298.4	0.07387 (14012908)	0.07045 (14012908)	0.07490 (10123108)	0.06986 (10120908)	0.06957 (14122408)
3738197.0	0.07774 (14012908)	0.07037 (10123108)	0.07829 (10123108)	0.07010 (10120908)	0.07190 (14122408)
3738095.6	0.08100 (14012908)	0.07717 (10123108)	0.08024 (10123108)	0.07373 (14122408)	0.07521 (15011908)
3737994.3	0.08360 (14012908)	0.08331 (10123108)	0.08079 (10123108)	0.07881 (14122408)	0.07815 (14112708)
3737892.9	0.08545 (14012908)	0.08850 (10123108)	0.08137 (10120908)	0.08229 (15011908)	0.08332 (14112708)
3737791.5	0.08638 (14012908)	0.09236 (10123108)	0.08384 (14122408)	0.08620 (15011908)	0.08608 (14112708)
3737690.2	0.09209 (10123108)	0.09462 (10123108)	0.09010 (14122408)	0.09151 (14112708)	0.09020 (10011508)
3737588.8	0.09995 (10123108)	0.09517 (10123108)	0.09459 (15011908)	0.09675 (14112708)	0.09435 (10010808)
3737487.4	0.10655 (10123108)	0.09767 (14121508)	0.10174 (14112708)	0.10065 (14021308)	0.09754 (10010808)
3737386.1	0.11165 (10123108)	0.10504 (14122408)	0.11024 (14112708)	0.10635 (14021308)	0.09670 (11012808)
3737284.7	0.11469 (10123108)	0.11209 (14112708)	0.11607 (14112708)	0.11044 (10010808)	0.10341 (11012808)

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3737183.3 |      0.11962 (14121508)      0.12421 (14112708)      0.12266 (14021308)
    0.10997 (10010808)      0.10347 (11012808)
3737082.0 |      0.12397 (14122408)      0.13413 (14112708)      0.12712 (14021308)
    0.11618 (11012808)      0.11383 (16011908)
3736980.6 |      0.13999 (14112708)      0.14157 (14021308)      0.12632 (14021308)
    0.11535 (14120208)      0.09990 (16011908)
3736879.2 |      0.15470 (14112708)      0.14956 (14021308)      0.13308 (11012808)
    0.12873 (16011908)      0.10725 (16120608)
3736777.8 |      0.16457 (14112708)      0.15071 (14021308)      0.13883 (16011908)
    0.13535 (11010608)      0.12701 (16120608)
3736676.5 |      0.17707 (14021308)      0.15312 (11012808)      0.15179 (16011908)
    0.14407 (16120608)      0.13690 (14020608)
3736575.1 |      0.18550 (14021308)      0.16713 (16011908)      0.15812 (11010608)
    0.15169 (14020608)      0.14903 (15120708)
3736473.7 |      0.18226 (14012208)      0.17488 (16011908)      0.16623 (14020608)
    0.16852 (15120708)      0.15220 (15120708)
3736372.4 |      0.19463 (16011908)      0.18446 (16120608)      0.18997 (15120708)
    0.17776 (15120708)      0.16242 (15121008)
3736271.0 |      0.20162 (11010608)      0.19869 (15120708)      0.20019 (15120708)
    0.18312 (15121008)      0.16943 (10122108)
3736169.6 |      0.21246 (14020608)      0.21540 (15120708)      0.20303 (15121008)
    0.18674 (10122108)      0.16997 (15022008)
3736068.2 |      0.22125 (14020708)      0.21704 (10011108)      0.20322 (10122108)
    0.19639 (15022008)      0.17995 (15022008)
3735966.9 |      0.25294 (10122108)      0.23257 (15022008)      0.22843 (15022008)
    0.19531 (11020708)      0.18540 (11020708)
3735865.5 |      0.28187 (15022008)      0.25578 (15022008)      0.22676 (11020708)
    0.19242 (16012808)      0.16953 (15010708)
3735764.1 |      0.28771 (11020708)      0.24473 (11020708)      0.21611 (15010908)
    0.20186 (15010908)      0.18536 (15010908)
3735662.8 |      0.28170 (16011508)      0.24099 (16011508)      0.21862 (16011508)
    0.19941 (15012608)      0.18811 (15012608)
3735561.4 |      0.27935 (15012608)      0.24858 (15012608)      0.22638 (15012608)
    0.20428 (11122108)      0.19112 (11122108)
3735460.0 |      0.29688 (16012208)      0.26369 (16012208)      0.23305 (16012208)
    0.21236 (16012208)      0.18824 (16012208)
3735358.7 |      0.33401 (15020508)      0.28192 (15020508)      0.24206 (15121608)
    0.21722 (15121608)      0.19439 (15121608)
3735257.3 |      0.31299 (15020508)      0.29666 (15020508)      0.26884 (15020508)
    0.24115 (15020508)      0.21224 (15020508)
3735155.9 |      0.32557 (14120808)      0.26362 (14020308)      0.23319 (15020408)
    0.21910 (15020508)      0.21238 (15020508)
3735054.5 |      0.31451 (14120808)      0.28641 (14120808)      0.22454 (14020308)
    0.20475 (14020308)      0.18535 (15020408)
3734953.2 |      0.26260 (16012108)      0.25772 (14120808)      0.24756 (14120808)
    0.20663 (14120808)      0.18125 (14020308)
3734851.8 |      0.24035 (10010108)      0.22367 (16012108)      0.21419 (14120808)
    0.21636 (14120808)      0.19048 (14120808)
3734750.4 |      0.22026 (10122408)      0.21241 (10121608)      0.19417 (16012108)
    0.18445 (10012508)      0.18986 (14120808)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   PAREA1   , A0000001
, A0000002   , A0000003   , A0000004   ,
                A0000005   , A0000006   , A0000007   , A0000008   , A0000009
, A0000010   , A0000011   , A0000012   ,
                A0000013   , A0000014   , A0000015   , A0000016   , A0000808
, A0000772   , A0000773   , A0000774   ,
                A0000775   , A0000782   , A0000783   , A0000784   , A0000785
, A0000786   , A0000787   , . . .   ,

                                *** NETWORK ID: UCART1   ; NETWORK TYPE:
GRIDCART ***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

  Y-COORD | X-COORD (METERS)
  (METERS) | 485265.67   485375.90   485486.13
      485596.36   485706.59
 -
- -

 3734446.3 | 0.17950 (10021608)   0.15137 (14010108)   0.16566 (10122408)
    0.15923 (10010108)   0.15258 (10121608)
 3734345.0 | 0.16437 (10021608)   0.15922 (14010108)   0.14131 (14012408)
    0.15206 (10122408)   0.14709 (10010108)
 3734243.6 | 0.14967 (10121008)   0.15382 (14010108)   0.13049 (14010108)
    0.13698 (10122408)   0.13658 (10122408)
 3734142.2 | 0.13816 (11120808)   0.13995 (10021608)   0.13801 (14010108)
    0.11742 (14012408)   0.13114 (10122408)
 3734040.9 | 0.12370 (11120808)   0.13104 (10121008)   0.13472 (14010108)
    0.11437 (14010108)   0.11151 (10122408)
 3733939.5 | 0.11474 (14010308)   0.12290 (11120808)   0.12261 (14010108)
    0.12132 (14010108)   0.09896 (14012408)
 3733838.1 | 0.11006 (14010308)   0.11384 (11120808)   0.11469 (10121008)
    0.11933 (14010108)   0.10171 (14010108)
 3733736.7 | 0.10373 (14010308)   0.10109 (11120808)   0.11031 (10121008)

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    0.10979 (14010108)      0.10796 (14010108)
3733635.4 |      0.10246 (15020908)      0.09450 (14010308)      0.10426 (11120808)
    0.10083 (10121008)      0.10670 (14010108)
3733534.0 |      0.10216 (15020908)      0.09151 (14010308)      0.09530 (11120808)
    0.09934 (10121008)      0.09911 (14010108)
3733432.6 |      0.10065 (15020908)      0.08726 (14010308)      0.08399 (11120808)
    0.09384 (11120808)      0.08776 (10121008)
3733331.3 |      0.09790 (15020908)      0.08205 (14010308)      0.07904 (14010308)
    0.08847 (11120808)      0.08851 (10121008)
3733229.9 |      0.09471 (15020908)      0.08134 (15020908)      0.07716 (14010308)
    0.08009 (11120808)      0.08539 (10121008)
3733128.5 |      0.09088 (15020908)      0.08145 (15020908)      0.07418 (14010308)
    0.07029 (11120808)      0.08118 (11120808)
3733027.1 |      0.08659 (15020908)      0.08074 (15020908)      0.06983 (14010308)
    0.06654 (14010308)      0.07575 (11120808)
3732925.8 |      0.08201 (15020908)      0.07947 (15020908)      0.06655 (11011108)
    0.06533 (14010308)      0.06837 (11120808)
3732824.4 |      0.07740 (15020908)      0.07749 (15020908)      0.06602 (15020908)
    0.06349 (14010308)      0.05987 (11120808)
3732723.0 |      0.07272 (15020908)      0.07461 (15020908)      0.06644 (15020908)
    0.06094 (14010308)      0.05755 (14010308)
3732621.7 |      0.06800 (15020908)      0.07185 (15020908)      0.06623 (15020908)
    0.05797 (11011108)      0.05681 (14010308)
3732520.3 |      0.06337 (15020908)      0.06885 (15020908)      0.06551 (15020908)
    0.05763 (11011108)      0.05545 (14010308)
3732418.9 |      0.05852 (15020908)      0.06565 (15020908)      0.06437 (15020908)
    0.05627 (11011108)      0.05359 (14010308)
3732317.6 |      0.05643 (10120708)      0.06227 (15020908)      0.06277 (15020908)
    0.05579 (15020908)      0.05133 (14010308)
3732216.2 |      0.05616 (10120708)      0.05892 (15020908)      0.06097 (15020908)
    0.05575 (15020908)      0.05096 (11011108)
3732114.8 |      0.05567 (10120708)      0.05559 (15020908)      0.05894 (15020908)
    0.05543 (15020908)      0.05052 (11011108)
3732013.5 |      0.05495 (10120708)      0.05231 (15020908)      0.05673 (15020908)
    0.05478 (15020908)      0.04927 (11011108)
3731912.1 |      0.05404 (10120708)      0.04911 (15020908)      0.05444 (15020908)
    0.05393 (15020908)      0.04781 (15020908)
3731810.7 |      0.05292 (10120708)      0.04627 (11011908)      0.05206 (15020908)
    0.05268 (15020908)      0.04800 (15020908)
3731709.3 |      0.05169 (10120708)      0.04481 (11011908)      0.04953 (15020908)
    0.05137 (15020908)      0.04791 (15020908)
3731608.0 |      0.05032 (10120708)      0.04483 (10120708)      0.04707 (15020908)
    0.04982 (15020908)      0.04758 (15020908)
3731506.6 |      0.04877 (10120708)      0.04471 (10120708)      0.04459 (15020908)
    0.04815 (15020908)      0.04708 (15020908)
3731405.2 |      0.04717 (10120708)      0.04438 (10120708)      0.04199 (15020908)
    0.04630 (15020908)      0.04628 (15020908)
3731303.9 |      0.04542 (10120708)      0.04395 (10120708)      0.03958 (15020908)
    0.04440 (15020908)      0.04522 (15020908)
3731202.5 |      0.04359 (10120708)      0.04334 (10120708)      0.03784 (11011908)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 , A0000808 , A0000772 , A0000773 , A0000774 , A0000775 , A0000782 , A0000783 , A0000784 , A0000785 , A0000786 , A0000787 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	485816.82	485927.05	486037.28	486147.51	486257.74
3738501.1	0.06412 (14122408)	0.06304 (14112708)	0.06275 (10011508)	0.06394 (10010808)	0.05888 (10010808)
3738399.8	0.06699 (15011908)	0.06601 (14112708)	0.06709 (10011508)	0.06601 (10010808)	0.06087 (11012808)
3738298.4	0.06846 (15011908)	0.06791 (14112708)	0.06896 (10010808)	0.06512 (10010808)	0.06441 (11012808)
3738197.0	0.07170 (14112708)	0.07201 (10011508)	0.07165 (10010808)	0.06610 (11012808)	0.06443 (11012808)
3738095.6	0.07484 (14112708)	0.07542 (10011508)	0.07154 (10010808)	0.06980 (11012808)	0.06378 (14120208)
3737994.3	0.07773 (10011508)	0.07854 (10010808)	0.07229 (11012808)	0.07009 (11012808)	0.06920 (16011908)
3737892.9	0.08265 (10011508)	0.07870 (10010808)	0.07616 (11012808)	0.07072 (14120208)	0.07380 (16011908)

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3737791.5 |      0.08528 (10010808)      0.07730 (11012808)      0.07536 (11012808)
    0.07616 (16011908)      0.07307 (16011908)
3737690.2 |      0.08694 (10010808)      0.08283 (11012808)      0.07640 (14120208)
    0.07807 (16011908)      0.07550 (11010608)
3737588.8 |      0.08671 (11012808)      0.08099 (11012808)      0.07820 (16011908)
    0.07417 (11010608)      0.07468 (16120608)
3737487.4 |      0.09184 (11012808)      0.08368 (16011908)      0.08047 (16011908)
    0.07316 (16120608)      0.07345 (16120608)
3737386.1 |      0.09124 (11012808)      0.09179 (16011908)      0.08627 (11010608)
    0.07750 (16120608)      0.07666 (14020608)
3737284.7 |      0.09553 (16011908)      0.08976 (11010608)      0.08807 (16120608)
    0.08001 (14020608)      0.07904 (14020608)
3737183.3 |      0.10631 (16011908)      0.09584 (11010608)      0.08456 (16120608)
    0.08647 (14020608)      0.08402 (14020708)
3737082.0 |      0.11020 (11010608)      0.10389 (16120608)      0.09629 (14020608)
    0.08933 (14020708)      0.08389 (14020708)
3736980.6 |      0.11052 (16120608)      0.10891 (14020608)      0.09886 (14020708)
    0.09301 (14020708)      0.08196 (10011108)
3736879.2 |      0.11334 (14020608)      0.10590 (14020608)      0.10240 (14020708)
    0.08992 (10011108)      0.09810 (10011108)
3736777.8 |      0.12242 (14020608)      0.11554 (14020708)      0.09712 (10011108)
    0.10593 (10011108)      0.09949 (10122108)
3736676.5 |      0.13099 (15120708)      0.10847 (10011108)      0.11649 (10011108)
    0.11016 (10122108)      0.10554 (10122108)
3736575.1 |      0.13398 (15120708)      0.12789 (10011108)      0.11984 (10122108)
    0.11302 (10122108)      0.09044 (10122108)
3736473.7 |      0.14524 (10011108)      0.13300 (10122108)      0.12103 (10122108)
    0.10405 (16011208)      0.10920 (16011208)
3736372.4 |      0.15270 (10122108)      0.12882 (10122108)      0.12177 (16011208)
    0.12154 (16011208)      0.10853 (16011208)
3736271.0 |      0.14408 (15022008)      0.14205 (15022008)      0.12979 (16011208)
    0.10970 (16011208)      0.10851 (16012808)
3736169.6 |      0.16163 (15022008)      0.14444 (15022008)      0.13258 (11020708)
    0.12748 (16012808)      0.11862 (16012808)
3736068.2 |      0.16580 (11020708)      0.15180 (16012808)      0.13861 (16012808)
    0.12024 (16012808)      0.10439 (15010708)
3735966.9 |      0.16457 (16012808)      0.13908 (16012808)      0.12799 (15010708)
    0.12451 (15010908)      0.12309 (15010908)
3735865.5 |      0.16331 (15010908)      0.15755 (15010908)      0.14809 (15010908)
    0.13451 (15010908)      0.12205 (15010908)
3735764.1 |      0.16883 (15010908)      0.15100 (16011508)      0.13669 (16011508)
    0.11936 (15012608)      0.11632 (15012608)
3735662.8 |      0.17661 (15012608)      0.16398 (15012608)      0.15394 (15012608)
    0.14232 (15012608)      0.13304 (15012608)
3735561.4 |      0.17642 (11122108)      0.16360 (11122108)      0.15203 (11122108)
    0.14145 (11122108)      0.13017 (11122108)
3735460.0 |      0.16752 (16012208)      0.15003 (16012208)      0.13472 (16012208)
    0.12073 (16012208)      0.10538 (16012208)
3735358.7 |      0.17675 (16012208)      0.16290 (16012208)      0.15144 (16012208)
    0.13632 (16012208)      0.12378 (16012208)
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 3735257.3 |      0.18005 (15020508)      0.16322 (11122308)      0.15043 (11122308)
     0.13906 (15121608)      0.12505 (15121608)
 3735155.9 |      0.19833 (15020508)      0.18077 (15020508)      0.16185 (15020508)
     0.14171 (15020508)      0.13161 (11122308)
 3735054.5 |      0.17436 (15020408)      0.16617 (15020508)      0.16195 (15020508)
     0.15311 (15020508)      0.14114 (15020508)
 3734953.2 |      0.16512 (14020308)      0.15088 (15020408)      0.14517 (15020408)
     0.14126 (15011308)      0.13367 (15011308)
 3734851.8 |      0.16057 (16122908)      0.15058 (14020308)      0.13601 (14020308)
     0.12460 (15020408)      0.12118 (15020408)
 3734750.4 |      0.17433 (14120808)      0.15235 (16122908)      0.13196 (14020308)
     0.12582 (14020308)      0.11340 (14020308)
 3734649.1 |      0.16651 (14120808)      0.15855 (14120808)      0.14141 (16122908)
     0.12442 (16122908)      0.11360 (14020308)
 3734547.7 |      0.14913 (10012508)      0.14647 (14120808)      0.14376 (14120808)
     0.12923 (16122908)      0.12038 (16122908)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                  PAGE 127
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     PAREA1      , A0000001
, A0000002    , A0000003    , A0000004    ,
                  A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
                  A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                  A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       485816.82              485927.05              486037.28
      486147.51              486257.74
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 3734446.3 |      0.13540 (16012108)      0.13528 (10012508)      0.12957 (14120808)
     0.13074 (14120808)      0.12026 (14120808)
 3734345.0 |      0.13690 (10121608)      0.12201 (16012108)      0.12328 (10012508)
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    0.11810 (10012508)      0.11891 (14120808)
3734243.6 |      0.13512 (10010108)      0.12288 (10121608)      0.11066 (16012108)
    0.11304 (10012508)      0.11024 (10012508)
3734142.2 |      0.12143 (10010108)      0.12497 (10121608)      0.11050 (10121608)
    0.10116 (16012108)      0.10399 (10012508)
3734040.9 |      0.12273 (10122408)      0.11593 (10010108)      0.11585 (10121608)
    0.09952 (10121608)      0.09169 (16012108)
3733939.5 |      0.11086 (10122408)      0.11255 (10122408)      0.10980 (10010108)
    0.10654 (10121608)      0.09090 (16012108)
3733838.1 |      0.09504 (14012408)      0.10745 (10122408)      0.10080 (10122408)
    0.10268 (10010108)      0.09829 (10121608)
3733736.7 |      0.08675 (10010608)      0.09171 (10122408)      0.10140 (10122408)
    0.09122 (10010108)      0.09607 (10010108)
3733635.4 |      0.09120 (14010108)      0.08089 (14012408)      0.09167 (10122408)
    0.09430 (10122408)      0.08849 (10010108)
3733534.0 |      0.09635 (14010108)      0.07662 (10010608)      0.07766 (14012408)
    0.08964 (10122408)      0.08643 (10122408)
3733432.6 |      0.09567 (14010108)      0.08212 (14010108)      0.07058 (11112908)
    0.07749 (10122408)      0.08595 (10122408)
3733331.3 |      0.08961 (14010108)      0.08710 (14010108)      0.06912 (10010608)
    0.06894 (11112908)      0.07780 (10122408)
3733229.9 |      0.07950 (14010108)      0.08683 (14010108)      0.07490 (14010108)
    0.06196 (11112908)      0.06562 (14012408)
3733128.5 |      0.07926 (10121008)      0.08186 (14010108)      0.07925 (14010108)
    0.06275 (10010608)      0.06168 (11112908)
3733027.1 |      0.07804 (10121008)      0.07334 (14010108)      0.07919 (14010108)
    0.06858 (14010108)      0.05670 (10010608)
3732925.8 |      0.07416 (11120808)      0.07092 (10121008)      0.07512 (14010108)
    0.07246 (14010108)      0.05717 (10010608)
3732824.4 |      0.07089 (11120808)      0.07116 (10121008)      0.06794 (14010108)
    0.07261 (14010108)      0.06312 (14010108)
3732723.0 |      0.06562 (11120808)      0.06872 (10121008)      0.06355 (10121008)
    0.06926 (14010108)      0.06665 (14010108)
3732621.7 |      0.05893 (11120808)      0.06583 (11120808)      0.06477 (10121008)
    0.06319 (14010108)      0.06689 (14010108)
3732520.3 |      0.05148 (11120808)      0.06228 (11120808)      0.06366 (10121008)
    0.05698 (10121008)      0.06412 (14010108)
3732418.9 |      0.05031 (14010308)      0.05725 (11120808)      0.06071 (11120808)
    0.05892 (10121008)      0.05890 (14010108)
3732317.6 |      0.04986 (14010308)      0.05122 (11120808)      0.05861 (11120808)
    0.05882 (10121008)      0.05203 (14010108)
3732216.2 |      0.04892 (14010308)      0.04525 (11010408)      0.05500 (11120808)
    0.05686 (10121008)      0.05358 (10121008)
3732114.8 |      0.04757 (14010308)      0.04450 (14010308)      0.05029 (11120808)
    0.05477 (11120808)      0.05423 (10121008)
3732013.5 |      0.04588 (14010308)      0.04425 (14010308)      0.04488 (11120808)
    0.05239 (11120808)      0.05324 (10121008)
3731912.1 |      0.04504 (11011108)      0.04360 (14010308)      0.04030 (11010408)
    0.04885 (11120808)      0.05092 (11120808)
3731810.7 |      0.04525 (11011108)      0.04261 (14010308)      0.03982 (14010308)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , A0000001 , A0000002 , A0000003 , A0000004 ,
A0000005 , A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 ,
A0000013 , A0000014 , A0000015 , A0000016 , A0000808 , A0000772 , A0000773 , A0000774 ,
A0000775 , A0000782 , A0000783 , A0000784 , A0000785 , A0000786 , A0000787 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)			
	486367.97	486478.20	486588.43	486698.66	486808.89
3738501.1	0.05849 (11012808)	0.05125 (11012808)	0.05393 (16011908)	0.05257 (16011908)	0.04873 (11010608)

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3738399.8 |      0.05880 (11012808)      0.05621 (14120208)      0.05701 (16011908)
    0.05195 (11010608)      0.04623 (11010608)
3738298.4 |      0.05750 (14120208)      0.06036 (16011908)      0.05653 (16011908)
    0.05201 (11010608)      0.04679 (16120608)
3738197.0 |      0.06241 (14120208)      0.06130 (16011908)      0.05935 (11010608)
    0.05421 (16120608)      0.04955 (16120608)
3738095.6 |      0.06698 (16011908)      0.06261 (11010608)      0.05845 (11010608)
    0.05504 (16120608)      0.04857 (14020608)
3737994.3 |      0.06810 (16011908)      0.06535 (11010608)      0.06143 (16120608)
    0.05147 (14020608)      0.05231 (14020608)
3737892.9 |      0.07008 (11010608)      0.06557 (16120608)      0.05736 (16120608)
    0.05614 (14020608)      0.05046 (14020608)
3737791.5 |      0.07005 (11010608)      0.06650 (16120608)      0.06204 (14020608)
    0.05563 (14020608)      0.05410 (14020708)
3737690.2 |      0.07342 (16120608)      0.06756 (14020608)      0.06324 (14020608)
    0.05616 (14020708)      0.05011 (14020708)
3737588.8 |      0.07043 (16120608)      0.06981 (14020608)      0.06429 (14020708)
    0.05858 (14020708)      0.04502 (14020708)
3737487.4 |      0.07391 (14020608)      0.06894 (14020708)      0.06610 (14020708)
    0.05074 (14020708)      0.04675 (10011108)
3737386.1 |      0.07365 (14020608)      0.07271 (14020708)      0.06218 (14020708)
    0.05584 (10011108)      0.05626 (10011108)
3737284.7 |      0.07940 (14020708)      0.06909 (14020708)      0.06151 (10011108)
    0.06553 (10011108)      0.06004 (10011108)
3737183.3 |      0.07748 (14020708)      0.06910 (10011108)      0.07402 (10011108)
    0.07004 (10011108)      0.06732 (10122108)
3737082.0 |      0.07591 (10011108)      0.08233 (10011108)      0.07708 (10011108)
    0.07529 (10122108)      0.06839 (10122108)
3736980.6 |      0.08970 (10011108)      0.08300 (10011108)      0.08182 (10122108)
    0.07440 (10122108)      0.05945 (10122108)
3736879.2 |      0.09005 (10011108)      0.08869 (10122108)      0.07764 (10122108)
    0.06180 (10122108)      0.06678 (16011208)
3736777.8 |      0.09800 (10122108)      0.08332 (10122108)      0.07007 (16011208)
    0.07741 (16011208)      0.07771 (16011208)
3736676.5 |      0.08718 (10122108)      0.08285 (16011208)      0.08766 (16011208)
    0.08416 (16011208)      0.07401 (16011208)
3736575.1 |      0.09539 (16011208)      0.09705 (16011208)      0.08782 (16011208)
    0.07347 (16011208)      0.06653 (16012808)
3736473.7 |      0.10361 (16011208)      0.08947 (16011208)      0.07580 (16012808)
    0.08171 (16012808)      0.08223 (16012808)
3736372.4 |      0.08802 (16011208)      0.09333 (16012808)      0.09457 (16012808)
    0.08950 (16012808)      0.08062 (16012808)
3736271.0 |      0.10925 (16012808)      0.10273 (16012808)      0.09111 (16012808)
    0.07704 (16012808)      0.06155 (16012808)
3736169.6 |      0.10419 (16012808)      0.08633 (16012808)      0.08096 (15010708)
    0.07587 (15010908)      0.07908 (15010908)
3736068.2 |      0.09770 (15010708)      0.09787 (15010908)      0.09703 (15010908)
    0.09616 (15010908)      0.09157 (15010908)
3735966.9 |      0.11810 (15010908)      0.11093 (15010908)      0.10107 (15010908)
    0.09186 (15010908)      0.08085 (15010908)
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 3735865.5 |      0.10806 (15010908)      0.09503 (16011508)      0.08556 (16011508)
     0.07610 (16011508)      0.07391 (15012608)
 3735764.1 |      0.11286 (15012608)      0.10853 (15012608)      0.10450 (15012608)
     0.09962 (15012608)      0.09567 (15012608)
 3735662.8 |      0.12446 (15012608)      0.11544 (15012608)      0.10770 (15012608)
     0.10167 (10012608)      0.09569 (10012608)
 3735561.4 |      0.12126 (11122108)      0.11194 (11122108)      0.10373 (11122108)
     0.09961 (11122108)      0.09344 (11122108)
 3735460.0 |      0.09173 (11122108)      0.08519 (11122108)      0.07815 (11122108)
     0.07437 (11122108)      0.06903 (11122108)
 3735358.7 |      0.11338 (16012208)      0.10484 (16012208)      0.09733 (16012208)
     0.09063 (16012208)      0.08225 (16012208)
 3735257.3 |      0.11233 (15121608)      0.10324 (16012208)      0.09789 (16012208)
     0.09226 (16012208)      0.08755 (16012208)
 3735155.9 |      0.12406 (11122308)      0.11558 (11122308)      0.10666 (11122308)
     0.09705 (11122308)      0.08777 (15121608)
 3735054.5 |      0.12508 (15020508)      0.11078 (15020508)      0.10523 (11122308)
     0.10247 (11122308)      0.09841 (11122308)
 3734953.2 |      0.12497 (15020508)      0.11815 (15020508)      0.10976 (15020508)
     0.10097 (15020508)      0.09134 (15020508)
 3734851.8 |      0.12003 (15011308)      0.11603 (15011308)      0.10885 (15011308)
     0.10093 (15020508)      0.09670 (15020508)
 3734750.4 |      0.10470 (15020408)      0.10330 (15020408)      0.10166 (15011308)
     0.10205 (15011308)      0.09831 (15011308)
 3734649.1 |      0.10723 (14020308)      0.09652 (14020308)      0.08862 (15020408)
     0.08823 (15020408)      0.08740 (15011308)
 3734547.7 |      0.10052 (14020308)      0.09912 (14020308)      0.09276 (14020308)
     0.08215 (14020308)      0.07735 (15020408)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                   PAGE 129
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     PAREA1      , A0000001
, A0000002    , A0000003    , A0000004    ,
                A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
                A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	486367.97	486478.20	486588.43	486698.66	486808.89
3734446.3	0.11423 (16122908)	0.10047 (16122908)	0.08964 (14020308)	0.08724 (14020308)	0.08024 (14020308)
3734345.0	0.11244 (14120808)	0.10649 (16122908)	0.09848 (16122908)	0.08186 (16122908)	0.07923 (14020308)
3734243.6	0.10814 (14120808)	0.10481 (14120808)	0.09707 (16122908)	0.09390 (16122908)	0.08264 (16122908)
3734142.2	0.10228 (10012508)	0.09727 (14120808)	0.09629 (14120808)	0.08881 (14120808)	0.08895 (16122908)
3734040.9	0.09536 (10012508)	0.09581 (10012508)	0.08866 (14120808)	0.08947 (14120808)	0.08443 (14120808)
3733939.5	0.08430 (16012108)	0.08829 (10012508)	0.08987 (10012508)	0.08098 (14120808)	0.08304 (14120808)
3733838.1	0.08437 (16012108)	0.07810 (16012108)	0.08191 (10012508)	0.08449 (10012508)	0.07660 (10012508)
3733736.7	0.09070 (10121608)	0.07843 (16012108)	0.07250 (16012108)	0.07632 (10012508)	0.07956 (10012508)
3733635.4	0.09005 (10121608)	0.08361 (10121608)	0.07319 (16012108)	0.06763 (16012108)	0.07126 (10012508)
3733534.0	0.08512 (10010108)	0.08512 (10121608)	0.07707 (10121608)	0.06853 (16012108)	0.06310 (16012108)
3733432.6	0.07815 (10122408)	0.08156 (10010108)	0.08022 (10121608)	0.07091 (10121608)	0.06425 (16012108)
3733331.3	0.08092 (10122408)	0.07179 (10010108)	0.07747 (10010108)	0.07541 (10121608)	0.06528 (10121608)
3733229.9	0.07655 (10122408)	0.07516 (10122408)	0.07042 (10010108)	0.07330 (10010108)	0.07071 (10121608)
3733128.5	0.06657 (10122408)	0.07397 (10122408)	0.06885 (10122408)	0.06853 (10010108)	0.06905 (10010108)
3733027.1	0.05969 (11112908)	0.06704 (10122408)	0.07033 (10122408)	0.06238 (10122408)	0.06628 (10010108)
3732925.8	0.05509 (11112908)	0.05638 (11112908)	0.06628 (10122408)	0.06596 (10122408)	0.05815 (10010108)
3732824.4	0.05218 (10010608)	0.05427 (11112908)	0.05795 (10122408)	0.06446 (10122408)	0.06116 (10122408)
3732723.0	0.05267 (14010108)	0.04918 (11112908)	0.05221 (11112908)	0.05857 (10122408)	0.06181 (10122408)
3732621.7	0.05844 (14010108)	0.04830 (10010608)	0.04924 (11112908)	0.04965 (10122408)	0.05815 (10122408)
3732520.3	0.06156 (14010108)	0.04917 (14010108)	0.04390 (11112908)	0.04813 (11112908)	0.05110 (10122408)
3732418.9	0.06189 (14010108)	0.05426 (14010108)	0.04479 (10010608)		

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    0.04456 (11112908)      0.04608 (11112908)
 3732317.6 |      0.05958 (14010108)      0.05708 (14010108)      0.04607 (14010108)
    0.04109 (10010608)      0.04422 (11112908)
 3732216.2 |      0.05510 (14010108)      0.05752 (14010108)      0.05063 (14010108)
    0.04176 (10010608)      0.04032 (11112908)
 3732114.8 |      0.04914 (14010108)      0.05564 (14010108)      0.05321 (14010108)
    0.04327 (14010108)      0.03854 (10010608)
 3732013.5 |      0.04876 (10121008)      0.05178 (14010108)      0.05364 (14010108)
    0.04735 (14010108)      0.03906 (10010608)
 3731912.1 |      0.04997 (10121008)      0.04648 (14010108)      0.05203 (14010108)
    0.04967 (14010108)      0.04078 (14010108)
 3731810.7 |      0.04973 (10121008)      0.04441 (10121008)      0.04867 (14010108)
    0.05012 (14010108)      0.04445 (14010108)
 3731709.3 |      0.04812 (10121008)      0.04602 (10121008)      0.04405 (14010108)
    0.04877 (14010108)      0.04659 (14010108)
 3731608.0 |      0.04655 (11120808)      0.04634 (10121008)      0.04071 (10021608)
    0.04592 (14010108)      0.04709 (14010108)
 3731506.6 |      0.04489 (11120808)      0.04543 (10121008)      0.04236 (10121008)
    0.04183 (14010108)      0.04597 (14010108)
 3731405.2 |      0.04234 (11120808)      0.04355 (11120808)      0.04313 (10121008)
    0.03878 (10021608)      0.04346 (14010108)
 3731303.9 |      0.03910 (11120808)      0.04261 (11120808)      0.04280 (10121008)
    0.03901 (10121008)      0.03985 (14010108)
 3731202.5 |      0.03540 (11120808)      0.04080 (11120808)      0.04146 (10121008)
    0.04012 (10121008)      0.03704 (10021608)
 3731101.1 |      0.03177 (11010408)      0.03826 (11120808)      0.04024 (11120808)
    0.04024 (10121008)      0.03594 (10121008)
 3730999.8 |      0.03010 (11010408)      0.03521 (11120808)      0.03906 (11120808)
    0.03941 (10121008)      0.03728 (10121008)
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                  PAGE 130
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     PAREA1      , A0000001
, A0000002    , A0000003    , A0000004    ,
                A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
                A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	486919.12	487029.35	487139.58	487249.81	487360.04
3738501.1	0.04212 (16120608)	0.03505 (16120608)	0.02885 (14020608)	0.02876 (14020608)	0.02497 (14020708)
3738399.8	0.04431 (16120608)	0.03448 (14020608)	0.03232 (14020608)	0.02900 (14020608)	0.02858 (14020708)
3738298.4	0.04123 (16120608)	0.03804 (14020608)	0.03277 (14020608)	0.03146 (14020708)	0.03011 (14020708)
3738197.0	0.04394 (14020608)	0.03449 (14020608)	0.03241 (14020708)	0.03231 (14020708)	0.02654 (14020708)
3738095.6	0.04539 (14020608)	0.03721 (14020708)	0.03492 (14020708)	0.03030 (14020708)	0.02274 (14020708)
3737994.3	0.04166 (14020708)	0.03872 (14020708)	0.03037 (14020708)	0.02303 (14020708)	0.02208 (10011108)
3737892.9	0.04847 (14020708)	0.03695 (14020708)	0.02719 (14020708)	0.02301 (10011108)	0.02626 (10011108)
3737791.5	0.04825 (14020708)	0.03229 (14020708)	0.02862 (10011108)	0.02833 (10011108)	0.02951 (10011108)
3737690.2	0.03924 (14020708)	0.03376 (10011108)	0.03352 (10011108)	0.03403 (10011108)	0.03453 (10122108)
3737588.8	0.03731 (10011108)	0.03932 (10011108)	0.03715 (10011108)	0.03551 (10122108)	0.03993 (10122108)
3737487.4	0.04574 (10011108)	0.04350 (10011108)	0.04164 (10122108)	0.04453 (10122108)	0.03742 (10122108)
3737386.1	0.05600 (10011108)	0.04812 (10122108)	0.04945 (10122108)	0.04484 (10122108)	0.03454 (10122108)
3737284.7	0.06023 (10122108)	0.05679 (10122108)	0.04971 (10122108)	0.03684 (10122108)	0.03345 (16011208)
3737183.3	0.06307 (10122108)	0.05366 (10122108)	0.04005 (10122108)	0.04179 (16011208)	0.04406 (16011208)
3737082.0	0.05631 (10122108)	0.04647 (16011208)	0.05194 (16011208)	0.05116 (16011208)	0.05081 (16011208)
3736980.6	0.05623 (16011208)	0.06096 (16011208)	0.05784 (16011208)	0.05565 (16011208)	0.04902 (16011208)
3736879.2	0.07021 (16011208)	0.06726 (16011208)	0.05940 (16011208)	0.04915 (16011208)	0.03973 (16012808)
3736777.8	0.07076 (16011208)	0.06039 (16011208)	0.04762 (16011208)	0.05112 (16012808)	0.05393 (16012808)
3736676.5	0.05938 (16011208)	0.05841 (16012808)	0.06196 (16012808)	0.06200 (16012808)	0.06004 (16012808)
3736575.1	0.07086 (16012808)	0.07082 (16012808)	0.06798 (16012808)	0.06273 (16012808)	0.05479 (16012808)

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 3736473.7 |      0.07868 (16012808)      0.07120 (16012808)      0.06141 (16012808)
     0.05122 (16012808)      0.04052 (16012808)
 3736372.4 |      0.06942 (16012808)      0.05690 (16012808)      0.04408 (16012808)
     0.04764 (15010908)      0.05094 (15010908)
 3736271.0 |      0.05770 (15010908)      0.06184 (15010908)      0.06496 (15010908)
     0.06594 (15010908)      0.06529 (15010908)
 3736169.6 |      0.07983 (15010908)      0.07925 (15010908)      0.07665 (15010908)
     0.07157 (15010908)      0.06643 (15010908)
 3736068.2 |      0.08544 (15010908)      0.07803 (15010908)      0.06986 (15010908)
     0.06180 (15010908)      0.05401 (15010908)
 3735966.9 |      0.06994 (15010908)      0.05947 (15010908)      0.04973 (15010908)
     0.04770 (15012608)      0.04881 (15012608)
 3735865.5 |      0.07282 (15012608)      0.07152 (15012608)      0.07066 (15012608)
     0.06948 (15012608)      0.06818 (15012608)
 3735764.1 |      0.09087 (15012608)      0.08614 (15012608)      0.08236 (15012608)
     0.07810 (15012608)      0.07431 (15012608)
 3735662.8 |      0.09054 (10012608)      0.08562 (10012608)      0.08098 (10012608)
     0.07717 (11122108)      0.07411 (11122108)
 3735561.4 |      0.08695 (11122108)      0.08241 (11122108)      0.07691 (11122108)
     0.07265 (11122108)      0.06880 (11122108)
 3735460.0 |      0.06405 (11122108)      0.05994 (11122108)      0.05594 (11122108)
     0.05248 (11122108)      0.04933 (11122108)
 3735358.7 |      0.07628 (16012208)      0.07035 (16012208)      0.06421 (16012208)
     0.05982 (16012208)      0.05632 (16012208)
 3735257.3 |      0.08290 (16012208)      0.07745 (16012208)      0.07227 (16012208)
     0.06794 (16012208)      0.06534 (16012208)
 3735155.9 |      0.08212 (15121608)      0.07640 (15121608)      0.07026 (15121608)
     0.06626 (16012208)      0.06421 (16012208)
 3735054.5 |      0.09328 (11122308)      0.08730 (11122308)      0.08090 (11122308)
     0.07414 (11122308)      0.06730 (11122308)
 3734953.2 |      0.08511 (11122308)      0.08484 (11122308)      0.08329 (11122308)
     0.08084 (11122308)      0.07730 (11122308)
 3734851.8 |      0.09106 (15020508)      0.08477 (15020508)      0.07788 (15020508)
     0.06907 (11122308)      0.07008 (11122308)
 3734750.4 |      0.09114 (15011308)      0.08448 (15020508)      0.08179 (15020508)
     0.07753 (15020508)      0.06748 (15020508)
 3734649.1 |      0.08973 (15011308)      0.08847 (15011308)      0.08419 (15011308)
     0.07741 (15011308)      0.07256 (15020508)
 3734547.7 |      0.07766 (15020408)      0.07580 (15020408)      0.07897 (15011308)
     0.07945 (15011308)      0.07715 (15011308)
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                      ***        09:40:14

                                  PAGE 131
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

INCLUDING SOURCE(S): PAREA1 , A0000001
, A0000002 , A0000003 , A0000004 ,
A0000005 , A0000006 , A0000007 , A0000008 , A0000009
, A0000010 , A0000011 , A0000012 ,
A0000013 , A0000014 , A0000015 , A0000016 , A0000808
, A0000772 , A0000773 , A0000774 ,
A0000775 , A0000782 , A0000783 , A0000784 , A0000785
, A0000786 , A0000787 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

Y-COORD (METERS)	X-COORD (METERS)				
	486919.12	487029.35	487139.58	487249.81	487360.04
3734446.3	0.07210 (14020308)	0.06840 (15020408)	0.06904 (15020408)	0.06785 (15020408)	0.06948 (15011308)
3734345.0	0.07637 (14020308)	0.07092 (14020308)	0.06386 (14020308)	0.06099 (15020408)	0.06169 (15020408)
3734243.6	0.07180 (14020308)	0.07138 (14020308)	0.06830 (14020308)	0.06322 (14020308)	0.05697 (14020308)
3734142.2	0.08183 (16122908)	0.06902 (16122908)	0.06560 (14020308)	0.06450 (14020308)	0.06133 (14020308)
3734040.9	0.08308 (16122908)	0.07954 (16122908)	0.07002 (16122908)	0.05953 (14020308)	0.05991 (14020308)
3733939.5	0.07987 (14120808)	0.07672 (16122908)	0.07627 (16122908)	0.06977 (16122908)	0.05905 (16122908)
3733838.1	0.07710 (14120808)	0.07555 (14120808)	0.07004 (16122908)	0.07202 (16122908)	0.06827 (16122908)
3733736.7	0.07325 (10012508)	0.07162 (14120808)	0.07118 (14120808)	0.06705 (14120808)	0.06725 (16122908)
3733635.4	0.07496 (10012508)	0.07001 (10012508)	0.06641 (14120808)	0.06691 (14120808)	0.06396 (14120808)
3733534.0	0.06659 (10012508)	0.07067 (10012508)	0.06690 (10012508)	0.06160 (14120808)	0.06284 (14120808)
3733432.6	0.05900 (16012108)	0.06235 (10012508)	0.06669 (10012508)	0.06394 (10012508)	0.05720 (14120808)
3733331.3	0.06038 (16012108)	0.05534 (16012108)	0.05850 (10012508)	0.06302 (10012508)	0.06114 (10012508)
3733229.9	0.06013 (10121608)	0.05687 (16012108)	0.05209 (16012108)	0.05500 (10012508)	0.05964 (10012508)
3733128.5	0.06623 (10121608)	0.05535 (10121608)	0.05364 (16012108)	0.04913 (16012108)	0.05181 (10012508)
3733027.1	0.06599 (10121608)	0.06195 (10121608)	0.05229 (16012108)		

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    0.05069 (16012108)      0.04638 (16012108)
 3732925.8 |      0.06375 (10010108)      0.06294 (10121608)      0.05791 (10121608)
    0.04970 (16012108)      0.04802 (16012108)
 3732824.4 |      0.05747 (10010108)      0.06104 (10010108)      0.05995 (10121608)
    0.05414 (10121608)      0.04739 (16012108)
 3732723.0 |      0.05613 (10122408)      0.05648 (10010108)      0.05828 (10010108)
    0.05694 (10121608)      0.05058 (10121608)
 3732621.7 |      0.05853 (10122408)      0.05105 (10122408)      0.05514 (10010108)
    0.05543 (10010108)      0.05403 (10121608)
 3732520.3 |      0.05693 (10122408)      0.05485 (10122408)      0.04832 (10010108)
    0.05358 (10010108)      0.05313 (10121608)
 3732418.9 |      0.05176 (10122408)      0.05492 (10122408)      0.05084 (10122408)
    0.04804 (10010108)      0.05182 (10010108)
 3732317.6 |      0.04424 (10122408)      0.05155 (10122408)      0.05240 (10122408)
    0.04677 (10122408)      0.04752 (10010108)
 3732216.2 |      0.04297 (11112908)      0.04558 (10122408)      0.05069 (10122408)
    0.04950 (10122408)      0.04271 (10122408)
 3732114.8 |      0.04052 (11112908)      0.04098 (11112908)      0.04621 (10122408)
    0.04924 (10122408)      0.04636 (10122408)
 3732013.5 |      0.03645 (11112908)      0.03990 (11112908)      0.03980 (10122408)
    0.04620 (10122408)      0.04735 (10122408)
 3731912.1 |      0.03626 (10010608)      0.03706 (11112908)      0.03856 (11112908)
    0.04099 (10122408)      0.04561 (10122408)
 3731810.7 |      0.03663 (10010608)      0.03339 (10010608)      0.03692 (11112908)
    0.03668 (11112908)      0.04161 (10122408)
 3731709.3 |      0.03853 (14010108)      0.03422 (10010608)      0.03384 (11112908)
    0.03604 (11112908)      0.03614 (10122408)
 3731608.0 |      0.04190 (14010108)      0.03451 (10010608)      0.03165 (10010608)
    0.03332 (11112908)      0.03479 (11112908)
 3731506.6 |      0.04388 (14010108)      0.03655 (14010108)      0.03245 (10010608)
    0.03077 (11112908)      0.03372 (11112908)
 3731405.2 |      0.04438 (14010108)      0.03961 (14010108)      0.03269 (10010608)
    0.03025 (10010608)      0.03144 (11112908)
 3731303.9 |      0.04344 (14010108)      0.04140 (14010108)      0.03472 (14010108)
    0.03093 (10010608)      0.02824 (11112908)
 3731202.5 |      0.04121 (14010108)      0.04190 (14010108)      0.03750 (14010108)
    0.03099 (10010608)      0.02899 (10010608)
 3731101.1 |      0.03797 (14010108)      0.04109 (14010108)      0.03917 (14010108)
    0.03303 (14010108)      0.02945 (10010608)
 3730999.8 |      0.03550 (10021608)      0.03913 (14010108)      0.03965 (14010108)
    0.03558 (14010108)      0.02946 (10010608)
```


*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   PAREA1   , A0000001
, A0000002   , A0000003   , A0000004   ,
                A0000005   , A0000006   , A0000007   , A0000008   , A0000009
, A0000010   , A0000011   , A0000012   ,
                A0000013   , A0000014   , A0000015   , A0000016   , A0000808
, A0000772   , A0000773   , A0000774   ,
                A0000775   , A0000782   , A0000783   , A0000784   , A0000785
, A0000786   , A0000787   , . . .   ,

                                  *** NETWORK ID: UCART1   ; NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

  Y-COORD | X-COORD (METERS)
  (METERS) | 487470.27   487580.50   487690.73
      487800.96   487911.19
 -
- -

 3738501.1 | 0.02597 (14020708)   0.02257 (14020708)   0.01820 (14020708)
     0.01300 (14020708)   0.01804 (10011108)
 3738399.8 | 0.02529 (14020708)   0.02063 (14020708)   0.01543 (14020708)
     0.01656 (10011108)   0.02050 (10011108)
 3738298.4 | 0.02414 (14020708)   0.01802 (14020708)   0.01825 (10011108)
     0.02250 (10011108)   0.02227 (10011108)
 3738197.0 | 0.02017 (14020708)   0.02171 (10011108)   0.02423 (10011108)
     0.02524 (10011108)   0.02217 (10011108)
 3738095.6 | 0.02254 (10011108)   0.02588 (10011108)   0.02810 (10011108)
     0.02334 (10011108)   0.02201 (10122108)
 3737994.3 | 0.02625 (10011108)   0.02961 (10011108)   0.02654 (10011108)
     0.02483 (10122108)   0.02304 (10122108)
 3737892.9 | 0.02906 (10011108)   0.03032 (10011108)   0.02655 (10122108)
     0.02592 (10122108)   0.02149 (10122108)
 3737791.5 | 0.02920 (10011108)   0.03391 (10122108)   0.02913 (10122108)
     0.02333 (10122108)   0.01597 (10122108)
 3737690.2 | 0.03518 (10122108)   0.03678 (10122108)   0.03059 (10122108)
     0.02118 (10122108)   0.01178 (16011208)
 3737588.8 | 0.03392 (10122108)   0.03611 (10122108)   0.02693 (10122108)
     0.02164 (16011208)   0.01600 (16011208)
 3737487.4 | 0.03051 (10122108)   0.02877 (10122108)   0.02844 (16011208)
     0.02559 (16011208)   0.02002 (11121408)
 3737386.1 | 0.03069 (16011208)   0.03721 (16011208)   0.03741 (16011208)
     0.02486 (11121408)   0.02002 (11121408)
 3737284.7 | 0.04116 (16011208)   0.04472 (16011208)   0.04019 (16011208)
     0.02977 (11121408)   0.02307 (11121408)
 3737183.3 | 0.04816 (16011208)   0.04618 (16011208)   0.03689 (11121408)
     0.02901 (11121408)   0.02338 (11121408)

```
3737082.0 |      0.04811 (16011208)      0.03904 (11121408)      0.03116 (11121408)
    0.02493 (16012808)      0.02528 (16012808)
3736980.6 |      0.04084 (11121408)      0.03486 (16012808)      0.03477 (16012808)
    0.03214 (16012808)      0.02963 (16012808)
3736879.2 |      0.04525 (16012808)      0.04635 (16012808)      0.04049 (16012808)
    0.03667 (16012808)      0.03109 (16012808)
3736777.8 |      0.05540 (16012808)      0.05149 (16012808)      0.04527 (16012808)
    0.03795 (16012808)      0.02971 (16012808)
3736676.5 |      0.05587 (16012808)      0.04903 (16012808)      0.04088 (16012808)
    0.03296 (16012808)      0.02506 (16012808)
3736575.1 |      0.04665 (16012808)      0.03777 (16012808)      0.02916 (16012808)
    0.02906 (15010908)      0.03168 (15010908)
3736473.7 |      0.03532 (15010908)      0.03920 (15010908)      0.04225 (15010908)
    0.04471 (15010908)      0.03992 (15010908)
3736372.4 |      0.05316 (15010908)      0.05433 (15010908)      0.05432 (15010908)
    0.05210 (15010908)      0.04385 (15010908)
3736271.0 |      0.06336 (15010908)      0.06045 (15010908)      0.05625 (15010908)
    0.04772 (15010908)      0.03841 (15010908)
3736169.6 |      0.06059 (15010908)      0.05420 (15010908)      0.04736 (15010908)
    0.03745 (15010908)      0.03094 (15010908)
3736068.2 |      0.04638 (15010908)      0.03899 (15010908)      0.03187 (15010908)
    0.02777 (15012608)      0.02546 (15012608)
3735966.9 |      0.04941 (15012608)      0.04894 (15012608)      0.04800 (15012608)
    0.04565 (15012608)      0.04357 (15012608)
3735865.5 |      0.06644 (15012608)      0.06330 (15012608)      0.05964 (15012608)
    0.05602 (15012608)      0.05127 (15012608)
3735764.1 |      0.07038 (15012608)      0.06574 (15012608)      0.05996 (15012608)
    0.05497 (10012608)      0.04760 (10012608)
3735662.8 |      0.07088 (11122108)      0.06748 (11122108)      0.06237 (11122108)
    0.05634 (11122108)      0.05106 (11122108)
3735561.4 |      0.06583 (11122108)      0.06205 (11122108)      0.05835 (11122108)
    0.05418 (11122108)      0.04955 (11122108)
3735460.0 |      0.04738 (11122108)      0.04475 (11122108)      0.04198 (11122108)
    0.03920 (11122108)      0.03655 (11122108)
3735358.7 |      0.05316 (16012208)      0.04911 (16012208)      0.02354 (11122108)
    0.02219 (11122108)      0.02100 (11122108)
3735257.3 |      0.06106 (16012208)      0.05723 (16012208)      0.05417 (16012208)
    0.03247 (16112408)      0.02966 (16112408)
3735155.9 |      0.06102 (16012208)      0.05851 (16012208)      0.05606 (16012208)
    0.05280 (16012208)      0.03899 (16012208)
3735054.5 |      0.06231 (15122508)      0.05864 (15122508)      0.05484 (15122508)
    0.05078 (15122508)      0.04724 (16012208)
3734953.2 |      0.07291 (11122308)      0.06818 (11122308)      0.06323 (11122308)
    0.05808 (11122308)      0.05345 (15122508)
3734851.8 |      0.06999 (11122308)      0.06885 (11122308)      0.06701 (11122308)
    0.06438 (11122308)      0.06118 (11122308)
3734750.4 |      0.05344 (11122308)      0.05584 (11122308)      0.05740 (11122308)
    0.05808 (11122308)      0.05811 (11122308)
3734649.1 |      0.06062 (11122608)      0.05573 (11122608)      0.05001 (11122608)
    0.04378 (11122608)      0.04533 (11122308)
```

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   PAREA1   , A0000001
, A0000002   , A0000003   , A0000004   ,
                  A0000005   , A0000006   , A0000007   , A0000008   , A0000009
, A0000010   , A0000011   , A0000012   ,
                  A0000013   , A0000014   , A0000015   , A0000016   , A0000808
, A0000772   , A0000773   , A0000774   ,
                  A0000775   , A0000782   , A0000783   , A0000784   , A0000785
, A0000786   , A0000787   , . . .   ,

                                  *** NETWORK ID: UCART1   ; NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

  Y-COORD | X-COORD (METERS)
  (METERS) | 487470.27   487580.50   487690.73
      487800.96   487911.19
 -
- -

 3734446.3 | 0.07108 (15011308)   0.07022 (15011308)   0.06731 (15011308)
     0.06269 (15011308)   0.05681 (15011308)
 3734345.0 | 0.06091 (15020408)   0.06115 (15011308)   0.06354 (15011308)
     0.06388 (15011308)   0.06222 (15011308)
 3734243.6 | 0.05461 (15020408)   0.05534 (15020408)   0.05495 (15020408)
     0.05393 (15011308)   0.05673 (15011308)
 3734142.2 | 0.05649 (14020308)   0.05134 (11020408)   0.04964 (11020408)
     0.05001 (15020408)   0.04983 (15020408)
 3734040.9 | 0.05829 (14020308)   0.05513 (14020308)   0.05081 (14020308)
     0.04739 (11020408)   0.04582 (11020408)
 3733939.5 | 0.05499 (14020308)   0.05472 (14020308)   0.05301 (14020308)
     0.04989 (14020308)   0.04593 (14020308)
 3733838.1 | 0.06011 (16122908)   0.04996 (14020308)   0.05087 (14020308)
     0.05022 (14020308)   0.04835 (14020308)
 3733736.7 | 0.06595 (16122908)   0.06010 (16122908)   0.05125 (16122908)
     0.04674 (14020308)   0.04713 (14020308)
 3733635.4 | 0.06213 (16122908)   0.06292 (16122908)   0.05932 (16122908)

```
    0.05225 (16122908)      0.04333 (16122908)
3733534.0 |      0.06096 (14120808)      0.05699 (16122908)      0.05938 (16122908)
    0.05771 (16122908)      0.05256 (16122908)
3733432.6 |      0.05902 (14120808)      0.05804 (14120808)      0.05468 (14120808)
    0.05561 (16122908)      0.05563 (16122908)
3733331.3 |      0.05376 (10012508)      0.05543 (14120808)      0.05521 (14120808)
    0.05276 (14120808)      0.05167 (16122908)
3733229.9 |      0.05847 (10012508)      0.05217 (10012508)      0.05216 (14120808)
    0.05253 (14120808)      0.05082 (14120808)
3733128.5 |      0.05650 (10012508)      0.05591 (10012508)      0.05055 (10012508)
    0.04896 (14120808)      0.04938 (14120808)
3733027.1 |      0.04889 (10012508)      0.05366 (10012508)      0.05357 (10012508)
    0.04898 (10012508)      0.04598 (14120808)
3732925.8 |      0.04397 (16012108)      0.04630 (10012508)      0.05101 (10012508)
    0.05125 (10012508)      0.04736 (10012508)
3732824.4 |      0.04565 (16012108)      0.04179 (16012108)      0.04382 (10012508)
    0.04839 (10012508)      0.04902 (10012508)
3732723.0 |      0.04516 (16012108)      0.04339 (16012108)      0.03964 (16012108)
    0.04141 (10012508)      0.04587 (10012508)
3732621.7 |      0.04724 (10121608)      0.04311 (16012108)      0.04130 (16012108)
    0.03627 (16012108)      0.03831 (10012508)
3732520.3 |      0.05116 (10121608)      0.04413 (10121608)      0.04117 (16012108)
    0.03465 (16012108)      0.02737 (10012508)
3732418.9 |      0.05115 (10121608)      0.04839 (10121608)      0.04117 (10121608)
    0.03848 (16012108)      0.03487 (16012108)
3732317.6 |      0.04992 (10010108)      0.04914 (10121608)      0.04567 (10121608)
    0.03817 (10121608)      0.03712 (16012108)
3732216.2 |      0.04675 (10010108)      0.04789 (10010108)      0.04702 (10121608)
    0.04278 (10121608)      0.03547 (16012108)
3732114.8 |      0.04096 (10010108)      0.04576 (10010108)      0.04575 (10010108)
    0.04411 (10121608)      0.03888 (10121608)
3732013.5 |      0.04305 (10122408)      0.04099 (10010108)      0.04444 (10010108)
    0.04283 (10121608)      0.03897 (10121608)
3731912.1 |      0.04505 (10122408)      0.03968 (10122408)      0.04045 (10010108)
    0.04034 (10010108)      0.03570 (10121608)
3731810.7 |      0.04446 (10122408)      0.04235 (10122408)      0.03535 (10122408)
    0.03603 (10010108)      0.03415 (10010108)
3731709.3 |      0.04165 (10122408)      0.04240 (10122408)      0.03919 (10122408)
    0.03463 (10010108)      0.03693 (10010108)
3731608.0 |      0.03716 (10122408)      0.04128 (10122408)      0.04113 (10122408)
    0.03681 (10122408)      0.03507 (10010108)
3731506.6 |      0.03304 (11112908)      0.03779 (10122408)      0.04052 (10122408)
    0.03906 (10122408)      0.03397 (10122408)
3731405.2 |      0.03289 (11112908)      0.03300 (10122408)      0.03797 (10122408)
    0.03931 (10122408)      0.03677 (10122408)
3731303.9 |      0.03146 (11112908)      0.03158 (11112908)      0.03399 (10122408)
    0.03771 (10122408)      0.03786 (10122408)
3731202.5 |      0.02899 (11112908)      0.03096 (11112908)      0.03020 (14012408)
    0.03456 (10122408)      0.03712 (10122408)
3731101.1 |      0.02699 (10010608)      0.02926 (11112908)      0.03005 (11112908)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 , A0000808 , A0000772 , A0000773 , A0000774 , A0000775 , A0000782 , A0000783 , A0000784 , A0000785 , A0000786 , A0000787 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	488021.42	488131.65	488241.88	488352.11	488462.34
3738501.1	0.02164 (10011108)	0.01962 (10011108)	0.01960 (10011108)	0.01395 (10122108)	0.01310 (10122108)
3738399.8	0.02203 (10011108)	0.01632 (10011108)	0.01528 (10122108)	0.01374 (10122108)	0.01373 (10122108)
3738298.4	0.02066 (10011108)	0.01621 (10122108)	0.01134 (11020108)	0.00863 (11020108)	0.00894 (10122108)
3738197.0	0.01999 (10122108)	0.01752 (10122108)	0.01258 (10122108)	0.00748 (14030409)	0.00746 (14030409)
3738095.6	0.01938 (10122108)	0.01718 (10122108)	0.01156 (10122108)	0.00764 (14030409)	0.00758 (14030409)
3737994.3	0.01784 (10122108)	0.01530 (10122108)	0.00944 (10122108)	0.00776 (14030409)	0.00765 (14030409)
3737892.9	0.01430 (10122108)	0.01148 (10122108)	0.00963 (16011208)	0.00941 (11121408)	0.00921 (11121408)
3737791.5	0.01023 (10122108)	0.01081 (16011208)	0.01194 (11121408)	0.01223 (11121408)	0.01119 (11121408)

3737690.2 | 0.01051 (11121408)   0.01372 (11121408)   0.01585 (11121408)   0.01546 (11121408)   0.01364 (11121408)
3737588.8 | 0.01479 (11121408)   0.01755 (11121408)   0.01909 (11121408)   0.01622 (11121408)   0.01218 (11121408)
3737487.4 | 0.02014 (11121408)   0.01985 (11121408)   0.02017 (11121408)   0.01683 (11121408)   0.01067 (11121408)
3737386.1 | 0.02038 (11121408)   0.01913 (11121408)   0.01773 (11121408)   0.01412 (11121408)   0.00843 (11121408)
3737284.7 | 0.02058 (11121408)   0.01558 (11121408)   0.01448 (16012808)   0.01614 (16012808)   0.01315 (16012808)
3737183.3 | 0.01650 (16012808)   0.01448 (16012808)   0.01970 (16012808)   0.01839 (16012808)   0.01348 (11012608)
3737082.0 | 0.01986 (16012808)   0.01783 (16012808)   0.02291 (16012808)   0.01757 (16012808)   0.01437 (11012608)
3736980.6 | 0.02611 (16012808)   0.01974 (16012808)   0.02290 (16012808)   0.01477 (16012808)   0.01420 (11121608)
3736879.2 | 0.02308 (16012808)   0.01851 (16012808)   0.01907 (16012808)   0.01529 (11121608)   0.01438 (11121608)
3736777.8 | 0.02453 (16012808)   0.01646 (11121608)   0.01543 (11121608)   0.01402 (11121608)   0.01248 (11121608)
3736676.5 | 0.01886 (15010908)   0.01802 (15010908)   0.01874 (15010908)   0.01798 (15010908)   0.01506 (15010908)
3736575.1 | 0.03058 (15010908)   0.02686 (15010908)   0.02356 (15010908)   0.02218 (15010908)   0.01712 (15010908)
3736473.7 | 0.03387 (15010908)   0.03033 (15010908)   0.02711 (15010908)   0.02356 (15010908)   0.01838 (15010908)
3736372.4 | 0.03550 (15010908)   0.03222 (15010908)   0.02593 (15010908)   0.02068 (15010908)   0.01429 (15010908)
3736271.0 | 0.03223 (15010908)   0.02764 (15010908)   0.02265 (15010908)   0.01486 (15010908)   0.00921 (15010908)
3736169.6 | 0.02339 (15010908)   0.01996 (15010908)   0.01504 (15010908)   0.01143 (15012608)   0.01077 (15012608)
3736068.2 | 0.02561 (15012608)   0.02478 (15012608)   0.02262 (15012608)   0.01940 (15012608)   0.02146 (15012608)
3735966.9 | 0.03739 (15012608)   0.03338 (15012608)   0.02465 (15012608)   0.02756 (15012608)   0.02731 (15012608)
3735865.5 | 0.04315 (15012608)   0.03389 (15012608)   0.02600 (15012608)   0.03073 (15012608)   0.03417 (15012608)
3735764.1 | 0.03895 (10012608)   0.03166 (10012608)   0.02410 (10012608)   0.03178 (10012608)   0.03665 (10012608)
3735662.8 | 0.04408 (11122108)   0.03432 (11122108)   0.03081 (11122108)   0.03403 (11122108)   0.04049 (11122108)
3735561.4 | 0.04526 (11122108)   0.03771 (11122108)   0.03463 (11122108)   0.03603 (11122108)   0.03717 (11122108)
3735460.0 | 0.03413 (11122108)   0.02964 (11122108)   0.02777 (11122108)   0.02786 (11122108)   0.02719 (11122108)
3735358.7 | 0.02003 (11122108)   0.01855 (11122108)   0.01684 (11122108)   0.01652 (11122108)   0.01609 (11122108)
3735257.3 | 0.02712 (16112408)   0.02465 (16112408)   0.02215 (16112408)   0.02040 (16112408)   0.01875 (16112408)

 3735155.9 | 0.03627 (16112408)   0.03367 (16112408)   0.03121 (16112408)
     0.02887 (16112408)   0.02684 (16112408)
 3735054.5 | 0.04275 (15122508)   0.03889 (15122508)   0.03638 (16112408)
     0.03446 (16112408)   0.03266 (16112408)
 3734953.2 | 0.05092 (15122508)   0.04808 (15122508)   0.04518 (15122508)
     0.04229 (15122508)   0.03947 (15122508)
 3734851.8 | 0.05764 (11122308)   0.05379 (11122308)   0.04991 (11122308)
     0.04623 (11122308)   0.04420 (15122508)
 3734750.4 | 0.05744 (11122308)   0.05594 (11122308)   0.05436 (11122308)
     0.05228 (11122308)   0.04989 (11122308)
 3734649.1 | 0.04714 (11122308)   0.04844 (11122308)   0.04921 (11122308)
     0.04932 (11122308)   0.04916 (11122308)
 3734547.7 | 0.04430 (11122608)   0.03899 (11122608)   0.03702 (11122308)
     0.03903 (11122308)   0.04096 (11122308)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   PAREA1   , A0000001
, A0000002   , A0000003   , A0000004   ,
                A0000005   , A0000006   , A0000007   , A0000008   , A0000009
, A0000010   , A0000011   , A0000012   ,
                A0000013   , A0000014   , A0000015   , A0000016   , A0000808
, A0000772   , A0000773   , A0000774   ,
                A0000775   , A0000782   , A0000783   , A0000784   , A0000785
, A0000786   , A0000787   , . . .   ,

                                 *** NETWORK ID: UCART1   ; NETWORK TYPE:
GRIDCART ***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

  Y-COORD | X-COORD (METERS)
  (METERS) | 488021.42   488131.65   488241.88
      488352.11   488462.34
 -
- -

 3734446.3 | 0.05032 (11122608)   0.04750 (11122608)   0.04373 (11122608)
     0.03959 (11122608)   0.03524 (11122608)
 3734345.0 | 0.05884 (15011308)   0.05432 (15011308)   0.04907 (15011308)
     0.04503 (11122608)   0.04265 (11122608)
 3734243.6 | 0.05773 (15011308)   0.05711 (15011308)   0.05495 (15011308)

```
    0.05179 (15011308)      0.04789 (15011308)
3734142.2 |      0.04874 (15020408)      0.05069 (15011308)      0.05224 (15011308)
    0.05238 (15011308)      0.05147 (15011308)
3734040.9 |      0.04534 (15020408)      0.04542 (15020408)      0.04477 (15020408)
    0.04537 (15011308)      0.04747 (15011308)
3733939.5 |      0.04391 (11020408)      0.04252 (11020408)      0.04150 (15020408)
    0.04165 (15020408)      0.04140 (15020408)
3733838.1 |      0.04545 (14020308)      0.04194 (14020308)      0.04091 (11020408)
    0.03956 (11020408)      0.03827 (15020408)
3733736.7 |      0.04632 (14020308)      0.04452 (14020308)      0.04177 (14020308)
    0.03831 (14020308)      0.03820 (11020408)
3733635.4 |      0.04393 (14020308)      0.04390 (14020308)      0.04287 (14020308)
    0.04099 (14020308)      0.03840 (14020308)
3733534.0 |      0.04511 (16122908)      0.04072 (14020308)      0.04114 (14020308)
    0.04080 (14020308)      0.03980 (14020308)
3733432.6 |      0.05224 (16122908)      0.04619 (16122908)      0.03848 (16122908)
    0.03826 (14020308)      0.03868 (14020308)
3733331.3 |      0.05307 (16122908)      0.05117 (16122908)      0.04648 (16122908)
    0.04005 (16122908)      0.03541 (14020308)
3733229.9 |      0.04763 (16122908)      0.05013 (16122908)      0.04956 (16122908)
    0.04627 (16122908)      0.04099 (16122908)
3733128.5 |      0.03838 (10010408)      0.04581 (14120808)      0.04686 (16122908)
    0.04752 (16122908)      0.04553 (16122908)
3733027.1 |      0.04630 (14120808)      0.04605 (14120808)      0.04414 (14120808)
    0.04348 (16122908)      0.04503 (16122908)
3732925.8 |      0.04087 (14120808)      0.03706 (11121508)      0.03463 (10010408)
    0.03498 (16122908)      0.04002 (16122908)
3732824.4 |      0.04314 (10012508)      0.03688 (11121508)      0.03539 (11121508)
    0.03015 (11121508)      0.03021 (16122908)
3732723.0 |      0.04506 (10012508)      0.03815 (10012508)      0.03268 (11121508)
    0.03079 (11121508)      0.02901 (11121508)
3732621.7 |      0.04306 (10012508)      0.04291 (10012508)      0.03525 (10012508)
    0.03240 (10012508)      0.03184 (11121508)
3732520.3 |      0.03398 (10012508)      0.03910 (10012508)      0.03712 (10012508)
    0.03569 (10012508)      0.03267 (10012508)
3732418.9 |      0.02770 (10012508)      0.03261 (10012508)      0.03307 (10012508)
    0.03466 (10012508)      0.03334 (10012508)
3732317.6 |      0.03502 (16012108)      0.02568 (10012508)      0.02590 (10012508)
    0.02785 (10012508)      0.02902 (10012508)
3732216.2 |      0.03324 (16012108)      0.01866 (10012508)      0.02111 (10012508)
    0.02196 (10012508)      0.02341 (10012508)
3732114.8 |      0.02960 (10121608)      0.01917 (10121608)      0.01382 (10012508)
    0.01469 (10012508)      0.01395 (10012508)
3732013.5 |      0.02981 (10121608)      0.01955 (10121608)      0.01356 (10121608)
    0.00802 (10012508)      0.00743 (16021008)
3731912.1 |      0.03016 (10121608)      0.02459 (10121608)      0.01268 (10121608)
    0.00721 (16021008)      0.00726 (16021008)
3731810.7 |      0.03427 (10121608)      0.02704 (10121608)      0.01453 (10121608)
    0.00699 (16021008)      0.00707 (16021008)
3731709.3 |      0.03619 (10010108)      0.03058 (10121608)      0.02135 (10121608)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , A0000001 , A0000002 , A0000003 , A0000004 ,
A0000005 , A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 ,
A0000013 , A0000014 , A0000015 , A0000016 , A0000808 , A0000772 , A0000773 , A0000774 ,
A0000775 , A0000782 , A0000783 , A0000784 , A0000785 , A0000786 , A0000787 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	488572.57	488682.80	488793.03	488903.26	489013.49
3738501.1	0.01861 (10122108)	0.01753 (10122108)	0.01474 (10122108)	0.01169 (10122108)	0.00878 (10122108)
3738399.8	0.01509 (10122108)	0.01328 (10122108)	0.00938 (10122108)	0.00852 (10122108)	0.00913 (16011208)

3738298.4 | 0.00727 (14030409)   0.00723 (14030409)   0.00716 (14030409)
    0.00902 (16011208)   0.00896 (11121408)
3738197.0 | 0.00740 (14030409)   0.00732 (14030409)   0.00727 (11121408)
    0.00958 (11121408)   0.01147 (11121408)
3738095.6 | 0.00748 (14030409)   0.00736 (14030409)   0.00791 (11121408)
    0.01087 (11121408)   0.01186 (11121408)
3737994.3 | 0.00751 (14030409)   0.00736 (14030409)   0.00846 (11121408)
    0.00903 (11121408)   0.01006 (11121408)
3737892.9 | 0.00874 (11121408)   0.00775 (11121408)   0.00885 (11121408)
    0.00876 (11121408)   0.00666 (14030409)
3737791.5 | 0.01014 (11121408)   0.00836 (11121408)   0.00852 (11121408)
    0.00705 (11121408)   0.00647 (14030409)
3737690.2 | 0.00951 (11121408)   0.00771 (11121408)   0.00783 (11121408)
    0.00650 (14030409)   0.00624 (14030409)
3737588.8 | 0.00974 (11121408)   0.00700 (11121408)   0.00653 (14030409)
    0.00697 (11012608)   0.00787 (11012608)
3737487.4 | 0.00751 (11121408)   0.00756 (11012608)   0.00852 (11012608)
    0.00932 (11012608)   0.01000 (11012608)
3737386.1 | 0.00934 (11012608)   0.01024 (11012608)   0.01090 (11012608)
    0.01120 (11012608)   0.01138 (11012608)
3737284.7 | 0.01212 (11012608)   0.01237 (11012608)   0.01249 (11012608)
    0.01204 (11012608)   0.01158 (11012608)
3737183.3 | 0.01365 (11012608)   0.01311 (11012608)   0.01247 (11012608)
    0.01203 (11121608)   0.01189 (11121608)
3737082.0 | 0.01343 (11012608)   0.01323 (11121608)   0.01307 (11121608)
    0.01236 (11121608)   0.01157 (11121608)
3736980.6 | 0.01398 (11121608)   0.01352 (11121608)   0.01253 (11121608)
    0.01137 (11121608)   0.00994 (11121608)
3736879.2 | 0.01331 (11121608)   0.01202 (11121608)   0.01066 (11121608)
    0.00917 (11121608)   0.00776 (11121608)
3736777.8 | 0.01090 (11121608)   0.00930 (11121608)   0.01047 (15010908)
    0.00781 (10102208)   0.00766 (10102208)
3736676.5 | 0.00827 (10102208)   0.01287 (15010908)   0.01255 (15010908)
    0.00776 (10102208)   0.00760 (10102208)
3736575.1 | 0.00822 (10102208)   0.00803 (10102208)   0.01333 (15010908)
    0.00774 (14022408)   0.00765 (14022408)
3736473.7 | 0.00825 (14022408)   0.01253 (15010908)   0.01354 (15010908)
    0.00792 (14022408)   0.00781 (14022408)
3736372.4 | 0.00843 (14022408)   0.01129 (15010908)   0.01244 (15010908)
    0.00949 (15010908)   0.00792 (14022408)
3736271.0 | 0.00855 (14022408)   0.00862 (15010908)   0.00887 (15010908)
    0.00882 (15012608)   0.00878 (15012608)
3736169.6 | 0.01055 (15012608)   0.01434 (15012608)   0.01513 (15012608)
    0.01602 (15012608)   0.01719 (15012608)
3736068.2 | 0.02500 (15012608)   0.02680 (15012608)   0.02647 (15012608)
    0.02658 (15012608)   0.02349 (15012608)
3735966.9 | 0.03608 (15012608)   0.03618 (15012608)   0.03542 (15012608)
    0.03332 (15012608)   0.02797 (15012608)
3735865.5 | 0.03789 (15012608)   0.03769 (15012608)   0.03518 (15012608)
    0.03111 (15012608)   0.02361 (10012608)

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 3735764.1 |      0.03795 (10012608)      0.03915 (10012608)      0.03685 (10012608)
     0.03186 (10012608)      0.02221 (10012608)
 3735662.8 |      0.04131 (11122108)      0.03953 (11122108)      0.03686 (11122108)
     0.03286 (11122108)      0.02513 (11122108)
 3735561.4 |      0.03606 (11122108)      0.03425 (11122108)      0.03096 (11122108)
     0.02919 (11122108)      0.02438 (11122108)
 3735460.0 |      0.02590 (11122108)      0.02476 (11122108)      0.02347 (11122108)
     0.02144 (11122108)      0.01863 (11122108)
 3735358.7 |      0.01545 (11122108)      0.01476 (11122108)      0.01424 (11122108)
     0.01353 (11122108)      0.01266 (11122108)
 3735257.3 |      0.01719 (16112408)      0.01579 (16112408)      0.01456 (16112408)
     0.01333 (16112408)      0.01210 (16112408)
 3735155.9 |      0.02492 (16112408)      0.02313 (16112408)      0.02148 (16112408)
     0.01985 (16112408)      0.01837 (16112408)
 3735054.5 |      0.03059 (16112408)      0.02921 (16112408)      0.02756 (16112408)
     0.02586 (16112408)      0.02426 (16112408)
 3734953.2 |      0.03655 (15122508)      0.03390 (15122508)      0.03117 (15122508)
     0.02930 (16112408)      0.02807 (16112408)
 3734851.8 |      0.04258 (15122508)      0.04084 (15122508)      0.03873 (15122508)
     0.03665 (15122508)      0.03449 (15122508)
 3734750.4 |      0.04745 (11122308)      0.04461 (11122308)      0.04177 (11122308)
     0.03899 (15122508)      0.03789 (15122508)
 3734649.1 |      0.04876 (11122308)      0.04775 (11122308)      0.04598 (11122308)
     0.04426 (11122308)      0.04186 (11122308)
 3734547.7 |      0.04237 (11122308)      0.04313 (11122308)      0.04335 (11122308)
     0.04323 (11122308)      0.04241 (11122308)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                  PAGE 137
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     PAREA1      , A0000001
, A0000002    , A0000003    , A0000004    ,
                A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
                A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
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Y-COORD (METERS)	X-COORD (METERS)				
	488572.57	488682.80	488793.03	488903.26	489013.49
3734446.3	0.03111 (11122308)	0.03306 (11122308)	0.03476 (11122308)	0.03600 (11122308)	0.03686 (11122308)
3734345.0	0.03948 (11122608)	0.03587 (11122608)	0.03196 (11122608)	0.02799 (11122608)	0.02749 (11122308)
3734243.6	0.04316 (15011308)	0.04079 (11122608)	0.03824 (11122608)	0.03556 (11122608)	0.03230 (11122608)
3734142.2	0.04930 (15011308)	0.04612 (15011308)	0.04221 (15011308)	0.03832 (11122608)	0.03663 (11122608)
3734040.9	0.04826 (15011308)	0.04792 (15011308)	0.04639 (15011308)	0.04394 (15011308)	0.04065 (15011308)
3733939.5	0.04082 (15011308)	0.04309 (15011308)	0.04424 (15011308)	0.04415 (15011308)	0.04327 (15011308)
3733838.1	0.03859 (15020408)	0.03851 (15020408)	0.03726 (15020408)	0.03888 (15011308)	0.04033 (15011308)
3733736.7	0.03699 (11020408)	0.03546 (15020408)	0.03564 (15020408)	0.03502 (15020408)	0.03429 (15020408)
3733635.4	0.03555 (11020408)	0.03579 (11020408)	0.03468 (11020408)	0.03272 (15020408)	0.03285 (15020408)
3733534.0	0.03792 (14020308)	0.03553 (14020308)	0.03346 (11020408)	0.03364 (11020408)	0.03261 (11020408)
3733432.6	0.03827 (14020308)	0.03703 (14020308)	0.03522 (14020308)	0.03296 (14020308)	0.03158 (11020408)
3733331.3	0.03627 (14020308)	0.03639 (14020308)	0.03579 (14020308)	0.03461 (14020308)	0.03284 (14020308)
3733229.9	0.03450 (16122908)	0.03379 (14020308)	0.03440 (14020308)	0.03439 (14020308)	0.03367 (14020308)
3733128.5	0.04141 (16122908)	0.03584 (16122908)	0.03112 (14020308)	0.03227 (14020308)	0.03261 (14020308)
3733027.1	0.04373 (16122908)	0.04011 (16122908)	0.03560 (16122908)	0.03106 (11122708)	0.02989 (14020308)
3732925.8	0.04240 (16122908)	0.04112 (16122908)	0.03877 (16122908)	0.03535 (16122908)	0.03202 (16122908)
3732824.4	0.03562 (16122908)	0.03671 (16122908)	0.03749 (16122908)	0.03823 (16122908)	0.03493 (16122908)
3732723.0	0.02655 (16122908)	0.02959 (16122908)	0.03469 (16122908)	0.03614 (16122908)	0.03596 (16122908)
3732621.7	0.02903 (11121508)	0.02437 (11121508)	0.02787 (16122908)	0.03076 (16122908)	0.03362 (16122908)
3732520.3	0.03079 (11121508)	0.02829 (11121508)	0.02433 (11121508)	0.02482 (16122908)	0.02891 (16122908)
3732418.9	0.02956 (10012508)	0.02784 (11121508)	0.02738 (11121508)	0.02463 (11121508)	0.02330 (16122908)
3732317.6	0.02609 (10012508)	0.02306 (10012508)	0.02662 (11121508)		

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    0.02709 (11121508)      0.02421 (11121508)
 3732216.2 |      0.02154 (10012508)      0.01909 (10012508)      0.02556 (10012508)
    0.02583 (11121508)      0.02625 (11121508)
 3732114.8 |      0.01452 (10012508)      0.01959 (10012508)      0.02575 (10012508)
    0.02606 (10012508)      0.02523 (11121508)
 3732013.5 |      0.00743 (16021008)      0.01453 (10012508)      0.02194 (10012508)
    0.02689 (10012508)      0.02887 (10012508)
 3731912.1 |      0.00728 (16021008)      0.00728 (16021008)      0.01479 (10012508)
    0.02157 (10012508)      0.02858 (10012508)
 3731810.7 |      0.00712 (16021008)      0.00714 (16021008)      0.01152 (10012508)
    0.02066 (10012508)      0.02579 (10012508)
 3731709.3 |      0.00693 (16021008)      0.00698 (16021008)      0.01105 (10012508)
    0.01660 (10012508)      0.01974 (10012508)
 3731608.0 |      0.00674 (16021008)      0.00681 (16021008)      0.00767 (10012508)
    0.01127 (10012508)      0.01374 (10012508)
 3731506.6 |      0.00652 (16021008)      0.00662 (16021008)      0.00668 (16021008)
    0.00776 (10012508)      0.01176 (10012508)
 3731405.2 |      0.01438 (10121608)      0.00641 (16021008)      0.00699 (10121608)
    0.00853 (10121608)      0.00980 (10012508)
 3731303.9 |      0.02337 (10121608)      0.01665 (10121608)      0.01139 (10121608)
    0.01100 (10121608)      0.01058 (10121608)
 3731202.5 |      0.02654 (10121608)      0.01826 (10121608)      0.01302 (10121608)
    0.01452 (10121608)      0.01311 (10121608)
 3731101.1 |      0.02338 (10010108)      0.01658 (10121608)      0.01607 (10121608)
    0.01459 (10121608)      0.01416 (10121608)
 3730999.8 |      0.02054 (10010108)      0.01845 (10010108)      0.02126 (10121608)
    0.02089 (10121608)      0.01882 (10121608)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                  PAGE 138
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     PAREA1      , A0000001
, A0000002    , A0000003    , A0000004    ,
                A0000005    , A0000006    , A0000007    , A0000008    , A0000009
, A0000010    , A0000011    , A0000012    ,
                A0000013    , A0000014    , A0000015    , A0000016    , A0000808
, A0000772    , A0000773    , A0000774    ,
                A0000775    , A0000782    , A0000783    , A0000784    , A0000785
, A0000786    , A0000787    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
484826.05	3735260.94	0.51483	(10021608)	484793.13	3735269.60	0.51671	(10021608)
484728.42	3735270.02	0.50961	(15020908)	484929.59	3735358.99	0.57266	(14120808)
484936.60	3735635.23	0.54249	(16011208)	484483.11	3735669.95	0.63081	(11111608)
484434.75	3735677.80	0.58014	(11111608)	484394.96	3735651.90	0.52720	(11111608)
484493.92	3735591.88	0.62016	(11111608)	484493.81	3735466.59	0.62733	(16010616)
484479.67	3735474.83	0.57792	(16021108)	484437.77	3735470.44	0.54091	(16021108)
484396.38	3735279.40	0.50004	(11120908)	484435.36	3735334.74	0.52887	(15120108)
484479.67	3735323.33	0.58171	(16121208)	484382.56	3735322.69	0.48543	(15120108)
484328.22	3735323.01	0.46240	(16021108)	484351.83	3735272.92	0.46672	(11120908)
484474.38	3735273.12	0.51240	(11122908)	484588.80	3735264.67	0.50371	(15120208)
484129.57	3735241.40	0.34262	(15120108)	484873.01	3734457.01	0.19572	(11120708)
484847.00	3735197.36	0.45835	(15020908)	484881.78	3735022.30	0.36630	(15020908)
484882.85	3734835.35	0.30019	(15020908)	484879.10	3734954.17	0.34044	(15020908)
484883.92	3734430.42	0.19263	(15020908)	484879.39	3734401.64	0.18762	(11120708)
484878.06	3734380.20	0.18466	(11120708)	484883.57	3734332.21	0.17791	(11120708)
484871.04	3734302.89	0.17380	(11120708)	484881.17	3734284.76	0.17152	(11120708)
484881.99	3734260.62	0.16842	(11120708)	484879.90	3734238.22	0.16577	(11120708)
484876.32	3734220.89	0.16348	(11120708)	484878.05	3734198.74	0.16076	(11120708)
484875.35	3734179.67	0.15813	(11120708)	484879.98	3734156.37	0.15556	(11120708)
484884.02	3734113.42	0.15095	(11120708)	485008.74	3735372.20	0.48503	(15020508)
485046.44	3734809.63	0.26476	(10021608)	484868.37	3733510.40	0.11001	(11113008)
484986.10	3733423.51	0.09942	(11120708)	484780.44	3733325.65	0.10054	(11113008)

```
        485013.46   3733200.88        0.08921  (10120708)                485039.95
3733147.89        0.08758  (10120708)
        484554.31   3733559.48        0.10975  (11011208)                484453.74
3733612.38        0.09226  (10020808)
        484458.31   3733567.64        0.09213  (10020808)                484408.34
3733589.85        0.09320  (14122308)
        484385.49   3733569.93        0.09502  (14122308)                484352.83
3733589.19        0.09990  (14122308)
        484367.85   3733607.48        0.09996  (14122308)                484937.82
3734455.25        0.21049  (15020908)
        484959.17   3734535.06        0.22351  (15020908)                484988.43
3734538.90        0.21685  (15020908)
        484966.41   3734583.68        0.22967  (15020908)                484961.53
3734624.47        0.23730  (15020908)
        485181.06   3733634.73        0.11714  (15020908)

 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                   PAGE 139
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                        *** THE SUMMARY OF MAXIMUM PERIOD ( 43824
HRS) RESULTS ***


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
             **


                      NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV,
ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS       0.03116 AT (  484714.52,  3735460.03,   450.80,
  544.00,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS       0.03069 AT (  484714.52,  3735561.40,   449.60,
  544.00,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS       0.02997 AT (  484604.29,  3735460.03,   448.10,
  544.00,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS       0.02983 AT (  484604.29,  3735561.40,   448.10,
  544.00,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS       0.02920 AT (  484824.75,  3735460.03,   452.90,
  544.00,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS       0.02859 AT (  484824.75,  3735561.40,   451.50,
  544.00,    0.00)  GC  UCART1
```

```
         7TH HIGHEST VALUE IS       0.02684 AT (  484714.52,  3735358.66,   450.00,
  544.00,    0.00)  GC  UCART1
         8TH HIGHEST VALUE IS       0.02562 AT (  484824.75,  3735358.66,   452.20,
  544.00,    0.00)  GC  UCART1
         9TH HIGHEST VALUE IS       0.02536 AT (  484604.29,  3735358.66,   448.60,
  544.00,    0.00)  GC  UCART1
        10TH HIGHEST VALUE IS       0.02341 AT (  484714.52,  3735662.77,   449.40,
  544.00,    0.00)  GC  UCART1


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                  PAGE 140
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
             **

                                                      DATE
                                          NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS       0.64131  ON 11111608: AT (  484494.06,
3735662.77,   445.00,   544.00,    0.00)  GC  UCART1


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD View\25-006 Mapes and
Palomar\25-006 Mapes and Palom ***        11/20/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        09:40:14

                                  PAGE 141
```

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            4 Warning Message(s)
 A Total of         2028 Informational Message(s)

 A Total of        43824 Hours Were Processed

 A Total of          978 Calm Hours Identified

 A Total of         1050 Missing Hours Identified (  2.40 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    1096       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187    1096       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:
 14010101
 MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:
2 year gap

    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
```

APPENDIX C – ESTIMATION OF PROJECT CONSTRUCTION DPM EMISSIONS

Basic Operational HRA Setup

Information Needed to Generate Emissions

Site Plan showing onsite trip distribution for trucks and cars
Trip generation Table with offsite trip distribution for trucks and cars
Operational Year
Land Use - refrigerated vs non-refrigerated
TRU usage (number of trucks and TRU size using TRUs and number of hours in opertion while at loading docks)
Use of fire pumps, standby emergency generator, forklifts, and yard trucks (number, size, and hours of operation)
Emission factors: EMFAC2021, OFFROAD2021 (2017), CalEEMod
Idle time assumed to be 15 minutes

AERMOD Setup to Generate Ground-level Concentrations

Use site plan to delineate the locations of the onsite truck routes, offsite truck routesm fire pump, generators, fork lifts, and yard trucks
Obtain the necessary meteorological data
Overlay site plan onto Google Earth and screen capture the site plan noting the Google x and y corners of the screen capture bottom left and upper right coordinates
Import the Google site plan into AERMOD
Layout the onsite and offsite truck routes on the imported site plan as line area sources
Locate the truck idling locations at the loading docks and define as a series of point sources to extend over the entire length of the loading docks
Locate the fire pumps and generators as point sources
Locate the forklifts and yard trucks as area or volume sources
Set the AERMOD averaging times as 1-hour and Period
Enter the annual average DPM emissions for each source
Deploy a gridded network of receptors to cover the receptor locations that could be impacted by the project along the offsite travel routes, locations of nearest sensitive receptors, locations of the nearest worker receptors

Area Sources:			
Project Site:			
Release:	5	meters	16.4042
Release Heights:			
Line Sources	3.11	meters	10.2034
Vehicle Height	3.11	meters	10.2034
Emission Rate:			
			Idling Truck Source
Idle Trucks			
Release	3.66		12.0079
Emission Rate	#DIV/0!		
Gas Exit Temp	366.483		
Stack Diam	0.1		
Gas Exit Velocity	51.7		
Flow Rate	0.4061		
FirePump/Generator	2.256	meters	7.40157
Emission Rate:	4.13E-05		
Gas Exit Temp	749.261		
Stack Diam	0.104		
Gas Exit Velocity	43.587		
Flow Rate	0.3676		

Gold tabs are [raw] information inputs

Blue tabs are model inputs

Pink tabs are Air Qualtiy Calculation tabs

Unmitigated and over threshold

Mapes Rd Residential **2028** <- Conservative
Emission Assumptions **DPM** Emissions

1) Vehicle Emissions

(a) Truck and Auto Traffic CalEEMod Model.
(b) Location Covina LA / SCAQMD
(c) Truck Mix
Project Trip Generation Memo
Assumes all heavy duty trucks are diesel fueled as a conservative assumption
(d) Vehicle Travel Speed

3) Traffic Allocation

1) Onsite travel emssions generated from vehicles traveling to building loading docks
2) Onsite idling emissions generated only for heavy duty diesel trucks
3) Offsite travel trips allocated in accordance with the Traffic Impact Memorandum

4) Emission Source Configuration

1) Vehicle traffic represented by a line source
2) Onsite idling represented as a series of point sources to accommodate the effects of building downwash

5) Venicle Trip Lengths

On/Off site Travel Links	**Travel Distance (m)**	**Travel Distance (mi)**	**% of Truck Travel**
Route 1: Project Site > Palomar Rd> CA-74	2345.8	1.458	100%
Route 2: Project Site > Palomar Rd> CA-74 East	678.2	0.421	20%
Route 3: Project Site > Palomar Rd> Case Rd> Ethanac Rd > I-215	3683.8	2.289	80%

Mapes Rd Residential

Construction DPM Emissions
Data Source: CalEEMod Project Output

Work Schedule **8 hrs/day** **5 days per week**

Onsite DPM Construction Emissionsss Net acres: 36.63 1,595,609.2 SF

Size of the Construction Area: 148,237 m2

Unit Emission Rate: 6.74596E-06 g/m2-sec unmitigated

Activity	Start Date	End Date	Daily Max Onsite PM10E DPM Emissions lb/day	Work Days days	DPM Emissions (lbs)	DPM Emissions (tons)
Site Prep	9/1/2027	10/5/2027	1.76	**25**	44.04	0.022022
Grading -2027	10/6/2027	12/31/2027	1.41	**63**	88.77	0.044383
Grading -2028	1/1/2028	1/4/2028	1.30	**2**	2.60	0.001300
Building Construction	1/5/2028	8/22/2028	0.33	**165**	53.73	0.026863
Paving	8/25/2028	9/26/2028	0.26	**25**	6.39	0.003194
Architectural Coating	9/27/2028	11/28/2028	0.02	**45**	0.93	0.000464
			5.0723	325	196.4515	0.0982

Year	Annual DPM Emissions (tons/year)	# Construction Work Days	Average Daily DPM Emissions (lb/day)	Average Hourly DPM Emissions (lb/hr)	Average Hourly DPM Emissions (g/sec)	Average Hourly DPM Area Emission (g/m2-sec)		g/m2-sec	
2027	0.066405	88	1.5092	0.1887	0.0238	1.605E-07	→	**6.42E-08**	**9.52E-03**
2028	0.031821	237	0.2682	0.0335	0.0042	2.852E-08			
					0.028				

Offsite DPM Construction Emissionsss

Activity	Start Date	End Date	Work Days	Daily Max Offsite PM10E Offsite DPM Haul Truck (lb/day)	Offsite DPM Haul Truck (pounds)	Offsite DPM Haul Truck tons	Daily Max Offsite PM10E Offsite DPM Vendor Truck (lb/day)	Offsite DPM Vendor Truck (pounds)	Offsite DPM Vendor Trucks (tons)	Daily Max Offsite PM10E Offsite DPM Worker Vehicles (lb/day)	Offsite DPM Worker Vehicles (pounds)	Offsite DPM Worker Vehicles (tons)	
Site Prep	9/1/2027	10/5/2027	25	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0000**
Grading -2027	10/6/2027	12/31/2027	63	0.0248	1.5628	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0248**
Grading -2028	1/1/2028	1/4/2028	2	0.0248	0.0496	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0248**
Building Construction	1/5/2028	8/22/2028	165	0.0000	0.0000	0.0000	0.0069	1.1423	0.0006	0.0000	0.0000	0.0000	**0.0069**
Paving	8/25/2028	9/26/2028	25	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0000**
Architectural Coating	9/27/2028	11/28/2028	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0000**
				0.0496	1.6125	0.0008	0.0069	1.1423	0.0006	0.0000	0.0000	0.0000	

Offsite DPM Emissions (at the CalEEMOd Default Trip Distances)

Year	# of Construction Days	Haul Trucks AnnualEmissions (tons/year)	Haul Trucks Average Daily (lb/day)	Haul Trucks Average Hourly (lb/hr)	Haul Trucks Average Hourly (g/sec)	Vendor Trucks AnnualEmissions (tons/year)	Vendor Trucks Average Daily (lb/day)	Vendor Trucks Average Hourly (lb/hr)	Vendor Trucks Average Hourly (g/sec)	Worker Vehicles Annual Emissions (tons/year)	Worker Vehicles Average Daily (lb/day)	Worker Vehicles Average Hourly (lb/hr)	Worker Vehicles Average Hourly (g/sec)	
2027	88	7.81E-04	1.78E-02	2.22E-03	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04
2028	237	2.48E-05	2.09E-04	2.61E-05	3.30E-06	5.71E-04	4.81E-03	6.02E-04	7.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	

CalEEMod Construction Vehicle Trip Length

Vehicle	Distance (miles)
Haul Truck (Demo)	20
Vendor Truck	10.2
Worker	18.5

On/Off site Travel Links

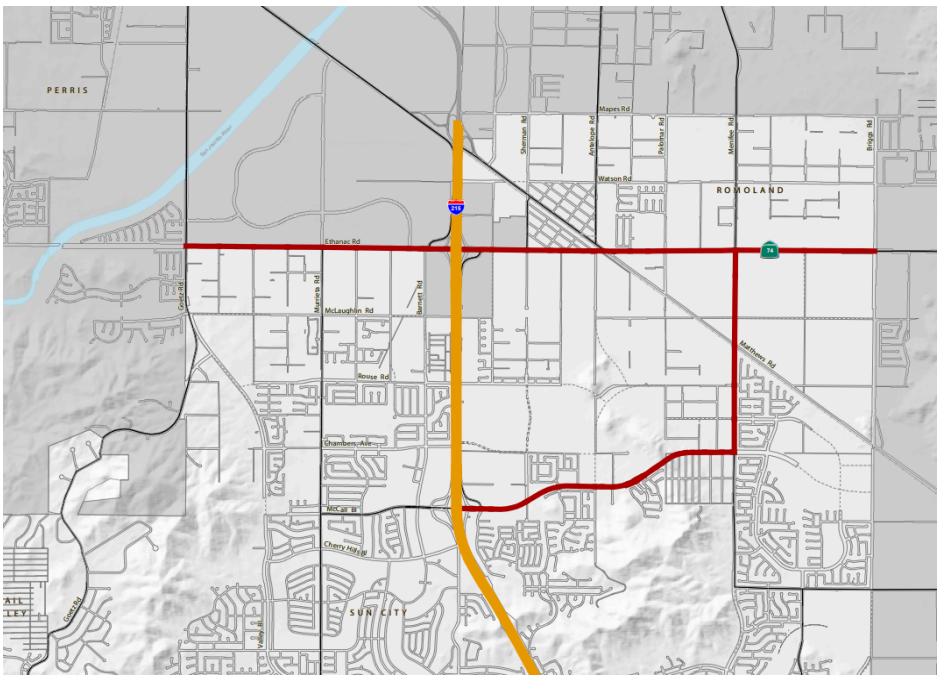
	Travel Distance (m)	Travel Distance (mi)	% of Truck Travel
Route 1: Project Site > Palomar Rd> CA-74	2345.8	1.457612543	100%
Route 2: Project Site > Palomar Rd> CA-74 East	678.2	0.421413943	20%
Route 3: Project Site > Palomar Rd> Case Rd> Ethanac Rd > I-215	3683.8	2.289007198	80%

Offsite Scaled DPM Emissions to AERMOD Trip Distance

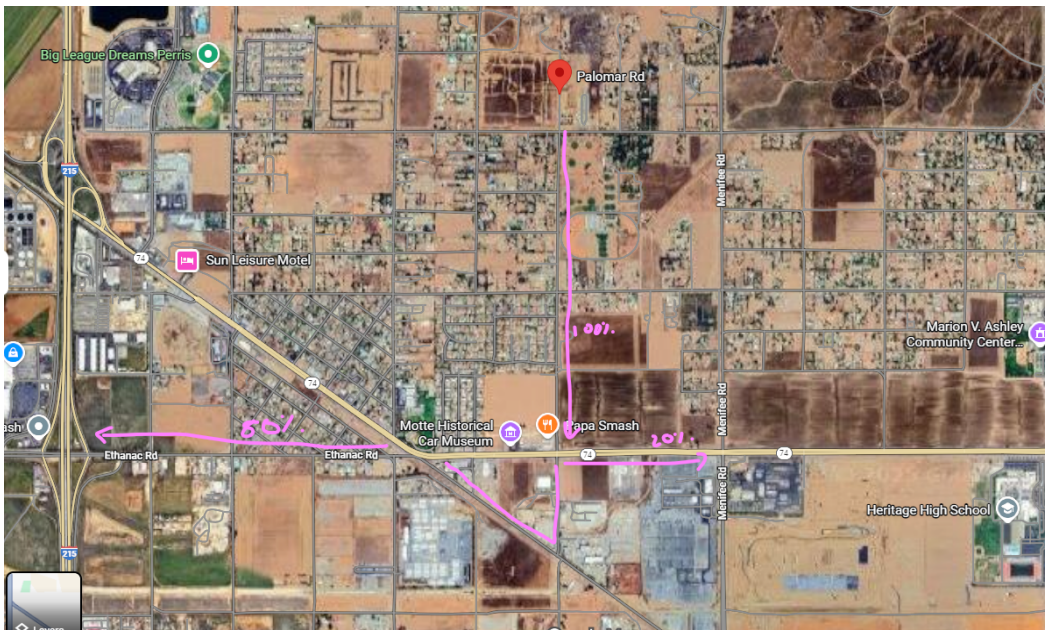
Year	Haul Trucks (g/sec)	Vendor Trucks (g/sec)	Worker Vehicles (g/sec)	Total (g/sec)	Total (lb/hr)	Total (lb/day)
2027 (From CalEEMOd)	2.800E-04	0.000E+00	0.000E+00	2.800E-04	2.220E-03	1.776E-02
2027 (Scaled for Distance and Distribution)						
Route 1: Project Site > Palomar Rd> CA-74	2.040E-05	0.000E+00	0.000E+00	2.040E-05	1.618E-04	1.294E-03
Route 2: Project Site > Palomar Rd> CA-74 East	1.180E-06	0.000E+00	0.000E+00	1.180E-06	9.355E-06	7.484E-05
Route 3: Project Site > Palomar Rd> Case Rd> Ethanac Rd > I-215	2.563E-05	0.000E+00	0.000E+00	2.563E-05	2.033E-04	1.626E-03
2028 (From CalEEMOd)	3.296E-06	7.589E-05	0.000E+00	7.919E-05	6.279E-04	5.023E-03
2028 (Scaled for Distance and Distribution)						
Route 1: Project Site > Palomar Rd> CA-74	2.402E-07	1.084E-05	0.000E+00	1.109E-05	8.790E-05	7.032E-04
Route 2: Project Site > Palomar Rd> CA-74 East	2.402E-07	1.084E-05	0.000E+00	1.109E-05	8.790E-05	7.032E-04
Route 3: Project Site > Palomar Rd> Case Rd> Ethanac Rd > I-215	2.402E-07	1.084E-05	0.000E+00	1.109E-05	8.790E-05	7.032E-04

Weighted Average Emissions		
Route 1: Project Site > Palomar Rd>	**1.3606E-05**	g/sec
Route 2: Project Site > Palomar Rd> CA	**8.4054E-06**	
Route 3: Project Site > Palomar Rd> Case Rd> E	**1.5021E-05**	

Truck Map


PERRIS
Mapes Rd
Watson Rd
ROMOLAND
Ethanac Rd
McLaughlin Rd
Rouse Rd
Chambers Ave
Cherry Hills
SUN CITY
Matthews Rd
Goetz Rd
Morrison Rd
Barnett Rd
Shennan Rd
Antelope Rd
Perkins Rd
Menifee Rd
Briggs Rd
215
74

Truck Trip Distribution



APPENDIX D – ESTIMATION OF CONSTRUCTION HEALTH RISK

Mapes Rd Residential

Exposure Durations During Construction

	Start	End	Days	% Year
Calendar Construction Days	9/1/2027	11/28/2028	454	1.26
3rd Trimester (2027)	9/1/2027	11/30/2027	90	0.25
0-2 year (2027)	12/1/2027	12/31/2027	30	0.08
0-2 year (2028)	1/1/2028	11/28/2028	332	0.91

1.24 years

0.99 years w/o pre-birth

14.86 months

Age Group	Exposure Frequency, EF				Construction Exposure Duration, (ED) (Years)	Age Sensitivity Factors (ASF)	Fraction Time at Home (FAH)	Daily Breathing Rate[a] (DBR) (l/kg-day)
	Construction		Operation					
	Hours/Day	Days/Year	Hours/Day	Days/Year				
Sensitive/Residential Receptor – Pre-birth to Adult (30-year duration)								
3rd Trimester to Birth	8	250	24	350	0.25	10	0.85	361
0 to 2 years	8	250	24	350	0.99	10	0.85	1,090
2 to 16 years	8	250	24	350		3	0.72	745
16 to 30 years	8	250	24	350		1	0.73	335
Sensitive Receptor/Residential Child (9-year duration)								
3rd Trimester to Birth	8	250	24	350	0.25	10	0.85	361
0 to 2 years	8	250	24	350	0.99	10	0.85	1,090
2 to 9 years	8	250	24	350	0.00	3	0.73	861
Sensitive Receptor/Residential Receptor – Adult (30-year duration)								
17 years and older	8	350	24	350	1.24	1	0.73	335
Worker Receptor (25-years duration)								
17 years and older	8	250	8	250	1.24	1	[redacted]	230

Mapes Rd Residential

Annual DPM Concentrations at Maximum Impacted Sensitive and Worker Receptor

Onsite Unit Emission Source Rate

Results:

Max School=	0
Max Residential=	0.01061
Max Hospital=	0
Max Sensitive Receptor=	0.01061
Max Worker=	0.00269

10.17

Receptor	Cancer Risk (per million)		Exceeds Significance Threshold?
	Maximum Lifetime Proposed Project Risk	Significance Threshold	
Maximum Impacted Sensitive Receptor – Infant to Adult (3.75 years)	1.34	10	No
Maximum Impacted Sensitive Receptor – Child	1.34	10	No
Maximum Impacted Sensitive Receptor – Adult	0.03	10	No
Maximum Impacted Worker Receptor	0.01	10	No
Receptor	**Chronic Non-Cancer Hazard Index**		**Exceeds Significance Threshold?**
	Maximum Lifetime Proposed Project Risk	**Significance Threshold**	
Maximum Impacted Sensitive Receptor – Infant to Adult (3.75 years)	0.00	1	No
Maximum Impacted Sensitive Receptor – Adult	0.00	1	No
Maximum Impacted Worker Receptor	0.00	1	No

Mapes Rd Residential

No Mitigation

Cancer Risk Calculation - Location of Max Risk

SCAQMD Guidance	**Residential**	**30-year Exposure**	**Total Cancer risk**	**HI**
			1.3362	0.0021

Maximum Period DPM Concentration **1.06E-02** ug/m3

Year	**Year**	**Maximum DPM (ug/m3)**	**CPF (mg/kg-day)^-1**	**DBR (l/kg-day)**	**ED (years)**	**EF (days)**	**AT (years)**	**TAH (%)**	**ASF**	**Operational Risk (risk/million)**
3rd Trimester	2027	0.01061	1.1	361	0.25	250	25550	1.00	10	0.101652
0	2027	0.01061	1.1	1090	0.08	250	25550	1.00	10	0.102309
1	2028	0.01061	1.1	1090	0.91	250	25550	1.00	10	1.132215

Mapes Rd Residential No Mitigation

Cancer Risk Calculation - Location of Max Risk

SCAQMD Guidance	Child	9-year Exposure	Total Cancer risk	HI
			1.3362	0.002

Maximum Period DPM Concentration **0.01061** ug/m3

Year	Year	Maximum DPM (ug/m3)	CPF (mg/kg-day)^-1	DBR (l/kg-day)	ED (years)	EF (days)	AT (years)	TAH (%)	ASF	Operational Risk (risk/million)
3rd Trimester	2027	0.01061	1.1	361	0.25	250	25550	1.00	10	0.10
0	2027	0.01061	1.1	1,090	0.08	250	25550	1.00	10	0.10
1	2028	0.01061	1.1	1,090	0.91	250	25550	1.00	10	1.13

Mapes Rd Residential No Mitigation

Cancer Risk Calculation - Location of Max Risk

SCAQMD Guidance	Residential	30-year Exposure	Adult	Total Cancer risk	HI
				0.034584	0.0021

Maximum Period DPM Concentration **0.01061** ug/m3

Year	Year	Maximum DPM (ug/m3)	CPF (mg/kg-day)^-1	DBR (l/kg-day)	ED (years)	EF (days)	AT (years)	TAH (%)	ASF	Operational Risk (risk/million)
0	2027	0.01061	1.1	335	0.33	250	25550	0.73	1	0.01
1	2028	0.01061	1.1	335	0.91	250	25550	0.73	1	0.03

Mapes Rd Residential

No Mitigation

Cancer Risk Calculation - Location of Max Risk

SCAQMD Guidance	**Worker**	**25-year Exposure**	**Total Cancer risk**	
			0.01	0.001

Maximum Period DPM Concentration **0.00269** ug/m3

Year	**Year**	**Maximum DPM (ug/m3)**	**CPF (mg/kg-day)^-1**	**DBR (l/kg-day)**	**ED (years)**	**EF (days)**	**AT (years)**	**ASF**	**Operational Risk (risk/million)**
0	2027	0.00269	1.1	230	0.33	250	25550	1	0.00
1	2028	0.00269	1.1	230	0.91	250	25550	1	0.01