DUDEK
3760 STATE STREET, SUITE 101
SANTA BARBARA, CALIFORNIA 93105
T 805.963.0651

MEMORANDUM

To:	Cascadia Ridge Resiliency LLC
From:	Adam Poll, Dudek
Subject:	Hazardous Consequence Analysis for the Cascadia Ridge Energy Storage Project
Date:	November 13, 2025
Attachments:	A, Emission Calculations
	B, Prior Studies on Emissions from Battery Malfunctions
	C, Dispersion Modeling Outputs

Dudek has prepared a hazardous consequence analysis technical memorandum (study) for the Cascadia Ridge Energy Storage Project (Project) located in King County, Washington. The contents and organization of this memorandum are as follows: Executive Summary, Project Description, Codes and Standards, Sensitive Receptors, General Analysis and Methodology, Significance Criteria, Conclusions, and References Cited.

1 Executive Summary

The Project would involve constructing and operating a battery energy storage system (BESS) within King County, Washington. This study evaluated the Project's potential to cause adverse health effects on nearby receptors in the highly unlikely scenario of a thermal runaway event.[1]

This study provides a list of the chemical constituents that could be emitted from lithium-iron phosphate batteries during a thermal runaway event, based on the UL 9540A testing for the Hithium OO Block 5.015 megawatt-hour (MWh) lithium-iron phosphate BESS. Because the results from this testing did not show a significant combustion event, this study conservatively extrapolates the data.

The assessment used dispersion modeling to calculate offsite concentrations of toxic air pollutants (TAPs). The concentrations were then compared to Washington Department of Ecology's de minimis emission rates specified in WAC 173-460-150, Small Quantity Emission Rate (SQER), the Acceptable Source Impact Level (ASIL), and the level 1 U.S. Environmental Protection Agency (EPA) Acute Exposure Guideline Levels (AEGLs) if no SQER/ASIL exists.

[1] Thermal runaway is a situation where the current flowing through the battery cell during either operation or a short circuit causes the cell temperature to rise to the point where a feedback loop can cause a thermal chain reaction.

As further discussed herein, emissions calculations indicated that for all of the modeled scenarios, the public health impacts from TAPs associated with the worst-case battery cell malfunction scenario were negligible, below background levels and would be less than significant from a public health perspective.

2 Project Description

Cascadia Resiliency LLC (the applicant), proposes to construct a utility-scale battery energy storage facility (the project) in unincorporated King County near Snoqualmie, Washington. The proposed project consists of a BESS to be constructed on approximately 45 acres of privately owned land adjacent to the Puget Sound Energy (PSE) Mount Si Substation within Township 24, Range 07 East, Section 36, Willamette Meridian, in King County, Washington. The project is located south of Fisher Creek, east of 356th Avenue SE, and west of private property abutting 364th Avenue SE. The project's interconnecting transmission line, or "gen-tie" route, is proposed to exit the project area to the south and connect to PSE's Mount Si Substation.

The proposed project will consist of lithium-ion batteries (which will be installed in containers), medium-voltage transformers, switchgear, a collector substation, and other associated equipment to interconnect into the PSE Mount Si Substation (i.e., point of interconnection). The batteries will be installed in containers that will have battery storage racks with relay and communications systems for automated monitoring and management of the batteries to ensure design performance. An energy management system will be provided to control the charging/discharging of the batteries, along with temperature monitoring and control of the battery's thermal management system. Batteries operate with direct current (DC) electricity that must be converted to alternating current (AC) for compatibility with the existing electric grid. Power inverters to convert between AC and DC, along with transformers to step up the voltage, will be included.

The proposed facility will provide a service to the regional electric grid by receiving energy (charging) from the PSE electric transmission system, storing energy on site, and then later delivering energy (discharging) back to the point of interconnection. During normal operations, the proposed use will not create emissions into the air, will not require sanitary facilities, and will not require water except to maintain water-efficient and low-impact landscaping design along the project frontage.

2.1 Battery Technology Overview

Lithium iron phosphate (LFP) batteries are a type of rechargeable lithium-ion battery that uses lithium iron phosphate as the cathode material and a graphitic carbon electrode with a metallic backing as the anode. They offer several advantages, including a longer lifespan, higher safety, and better discharge capacity compared to batteries such as nickel-manganese-cobalt (NMC). LFP batteries also have a lower environmental impact due to the use of more abundant and less toxic materials like iron and phosphorus.

Lithium-ion batteries were introduced commercially by Sony in 1991 for use primarily in consumer products (like phones and laptop computers). Since then, they have become the most widely used battery technology for grid-scale energy storage. Lithium-ion batteries have the versatility to handle smaller-scale applications, such as powering electric vehicles, as well as grid-scale applications requiring megawatts of power for hours at a time.

The name lithium-ion batteries is derived from the transfer of lithium ions between the electrodes within a battery cell during operation. Instead of metallic lithium (a reactive substance), lithium-ion batteries use safer lithiated

metal oxides as the cathode and carbon as the anode. When a lithium-ion battery cell is charging, lithium ions migrate from the cathode to the anode through a lithium-salt organic solvent catalyst that facilitates ionic movement (the electrolyte). The ions travel back to the cathode when discharging. Cathodes have a more positive electrode potential than anodes (versus the standard lithium reference), thus, they are considered to be the positive terminal of the battery. Similarly, anodes have a more negative electrode potential than cathodes (versus the standard lithium reference), thus, they are considered to be the negative terminal of a battery. The anode and cathode are divided by a separator, often microperforated plastic which is soaked in the electrolyte. The separator allows ions to pass through while maintaining electrical isolation between the electrodes. The entire battery cell is protected by a sealed metallic casing.

The United States' (US) installations of advanced energy storage — almost entirely lithium-ion battery systems — went beyond 3 gigawatt (GW) / 10.5 gigawatt-hours (GWh) in the second quarter of 2024 according to research firm Wood Mackenzie Power & Renewables' which forecasts, then records and analyzes energy storage deployments. The Wood Mackenzie team reported that the US added 12.3GW/37.1GWh for full year 2024 and 13.3GW in 2025 (American Clean Power 2025).

3 Codes and Standards

3.1 Battery Testing Requirements and Regulations

BESS facilities and batteries are subject to several strict safety codes and standards. Some of the relevant codes and standards are discussed below.

Underwriters Laboratories (UL), a globally recognized safety certification company.

UL9540A: Test Method for Evaluating Thermal Runaway Fire Propagation in Battery Energy Storage Systems – this test methodology evaluates the fire characteristics of battery cells, modules, and installations that are purposefully induced into thermal runaway. The data generated can be used to determine the fire and explosion protection required for the installation of a BESS.

UL1973: Standard for Batteries for Use in Stationary, Vehicle Auxiliary Power and Light Electric Rail (LER) Applications - This standard evaluates the battery system's ability to safely withstand simulated abuse conditions. This standard evaluates the system based upon the manufacturer's specified charge and discharge parameters. Requires that a BESS is not allowed to be an explosion hazard when exposed to an external fire source and that a single cell failure will not result in a cascading thermal runaway of cells.

UL1741: Inverters, Controllers, Converters, and Interconnection Equipment Standards - These requirements cover inverters, converters, charge controllers, and interconnection system equipment (ISE) intended for use in stand-alone (not grid-connected) or interactive (grid-connected) power systems. Interactive inverters, converters, and ISE are intended to be operated in parallel with an electric power system (EPS) to supply power to common loads.

UL9540: Energy Storage Systems and Equipment – This standard requires compliance with key UL sub-standards as well as standards from other recognized parties to certify safety of an integrated energy storage system.

Institute of Electrical and Electronics Engineers (IEEE): the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

> **IEEE C2:** This Code covers basic provisions for safeguarding of persons from hazards arising from the installation, operation, or maintenance of (1) conductors and equipment in electric supply stations, and (2) overhead and underground electric supply and communication lines. It also includes work rules for the construction, maintenance, and operation of electric supply and communication lines and equipment. The Code is applicable to the systems and equipment operated by utilities, or similar systems and equipment, of an industrial establishment or complex under the control of qualified persons.

International Fire Code (IFC): is the model up-to-date fire code addressing conditions hazardous to life and property from fire, explosion, handling or use of hazardous materials and the use and occupancy of buildings and premises.

> **IFC:** The IFC establishes safety requirements for BESS to mitigate fire and explosion risks. Key provisions include limits on energy capacity per unit and per fire area, typically around 50 kWh for individual units, 250 kWh for listed arrays, and 600 kWh per fire area, unless testing (e.g., UL 9540A) demonstrates fire containment within the unit. Systems must be installed in designated areas with fire-resistant construction, proper ventilation, and spacing between units to prevent thermal runaway propagation. Advanced fire suppression and detection systems, continuous temperature and gas monitoring, and emergency response plans are required to protect occupants and first responders.

National Fire Protection Association (NFPA): is an international nonprofit organization devoted to eliminating death, injury, property and economic loss due to fire, electrical and related hazards.

> **NFPA 70:** National Electrical Code, addresses electrical design, installation, and inspection.

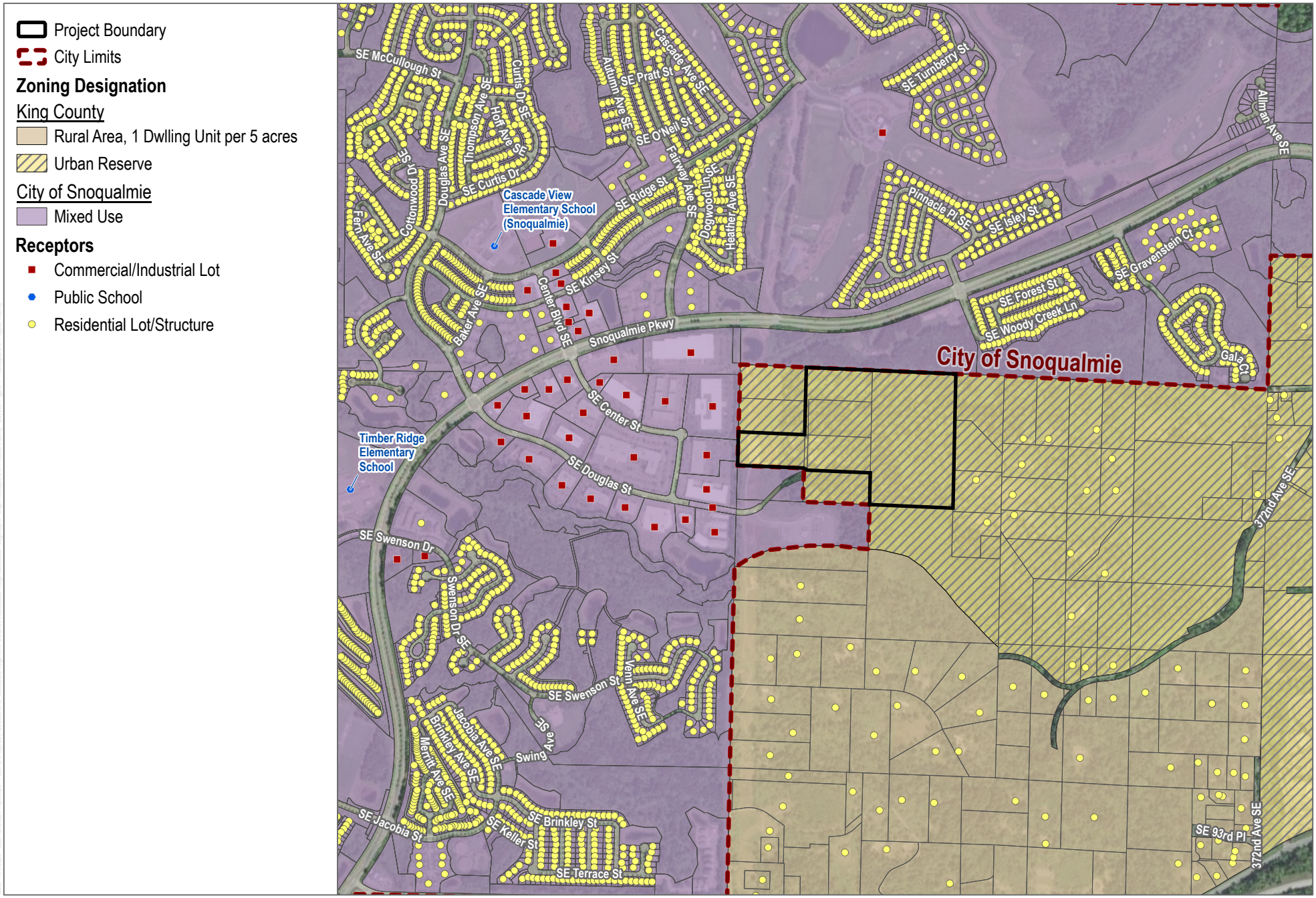
> **NFPA 550:** Guide to Fire Safety Concepts Tree for Protecting Energy Systems - addresses issues such as utilizing BMS and compatible equipment, ventilation as needed, fire resistive separation, array spacing, signage.

> **NFPA 855:** Standard for the Installation of Stationary Energy Storage Systems - offers comprehensive criteria for the fire protection of BESS installations based on the technology used in BESS, the setting where the technology is being installed, the size and separation of BESS installations, and the fire suppression and control systems in place. Additional considerations include ventilation, detection, signage, listings, and emergency operations responding to BESS emergencies.

4 Neighboring Uses

There are neighboring uses located near the Project. Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution, as identified by the California Air Resources Board (CARB), include children, older adults, and people with cardiovascular and chronic respiratory diseases. According to the CARB, sensitive receptors include residences, schools, playgrounds, childcare centers, and medical facilities (CARB 2005). These uses are considered to be relatively sensitive to poor air quality because children, elderly people, and the infirm are more susceptible to respiratory distress and other air quality related health problems than the general public. Residential areas are

considered sensitive to poor air quality because people usually stay home for extended periods of time, with associated greater exposure to ambient air quality. The closest sensitive receptor to the project is a residence located approximately 480 feet from the Project's eastern fenceline. This analysis also assesses impacts to non-sensitive receptors that may be closer to the Project, including workers at nearby industrial and commercial uses. The closest non-sensitive receptor would be commercial buildings to the west of the project, approximately 1,160 feet from the project fenceline. Cascade View Elementary School and Timber Ridge Elementary School are over 0.5 mile from the project fenceline. The location of the neighboring uses by type are shown in Figure 1.



SOURCE: ESRI Aerial Imagery; City of Snoqualmie 2016; King County 2024

DUDEK

0 625 1,250 Feet

FIGURE 1

Receptors in Project Vicinity

Cascadia Ridge (Snoqualmie) BESS Project

5 General Analysis and Methodology

During normal operations, there will be no toxic air emissions from the Project. The BESS would also be equipped with i) monitoring and control systems, ii) fire detection and protection systems, and iii) gas ventilation systems, among others, to prevent, monitor, and/or control any battery cell malfunctions. However, to determine the worst-case public health impacts for this analysis, this report assumes the highly unlikely event of multiple safety and ventilation system failures which do not control the battery cell malfunction. It is also assumed that the battery cell malfunction continues until the reaction ceases once stored energy has been expended.

In the event of a battery cell malfunction, it's possible that a thermal runaway event and/or a fire could occur. While modern-day systems are designed to contain such fires within a single battery module, if a fire does occur, some limited pollutants could be emitted to the atmosphere. Unlike other structural fires, the primary emissions from a thermal runaway event of a battery energy systems are flammable gases, which burn or dissipate with the vicinity of the battery unit. The majority of the battery structure is non-combustible.

To capture a worst-case scenario, it is assumed that the release of specific pollutants (see Table 1) to the atmosphere would occur within a relatively short and concentrated period of time (i.e., one hour) as the acute emissions analysis and thresholds are based on a 1-hour exposure duration. Emission rates for each identified pollutant are based on the cell and module level testing data for the proposed BESS equipment. The actual rate of release would be dependent on energy stored within the individual battery system.

In the unlikely event of a battery cell malfunction, the primary emissions released would be carbon dioxide (CO_2) and carbon monoxide (CO), along with lesser amounts of other compounds. Table 1 provides a list of chemical constituents that could be emitted from lithium-iron phosphate batteries during a thermal runaway event, based on the UL 9540A testing. The assessment used dispersion modeling to calculate offsite concentrations of TAPs. The concentrations were then compared to Washington Department of Ecology's de minimis emission rates specified in WAC 173-460-150, SQER, the ASIL, and the level 1 U.S. EPA AEGLs if no SQER/ASIL exists. The methodology of each is discussed further in this section.

5.1 UL9540A Testing

The applicant proposes to utilize the Hithium Infinity Block 5.015 MWh lithium-iron phosphate BESS or similar Tier 1 Original Equipment Manufacturer. The UL 9540 tests (from the Hithium Infinity Block) showed that in the event of a single battery cell undergoing thermal runaway, there was propagation to one additional cell within the tray, for a total of 2 cells. No external flaming or flame venting occurred during the UL 9540A testing at the unit level. Because the module (tray) level test showed propagation to 2 cells within the tray, this analysis assumes 20 cells would be affected (10 times the UL9540A module results), and therefore presents a worst-case analysis (i.e., a multi-battery cell malfunction). Per the UL9540A test results, there was no module-to-module propagation.

5.2 Emissions

Battery cell malfunctions, such as thermal runway events, can result in the release of toxic emissions and/or flammable gas mixtures to the atmosphere. Several studies have examined the emissions of pollutants from battery off-gassing situations during thermal runaway events, with some studies examining only the concentration of toxic pollutants and others also examining emission rates. The relevant studies are listed in Attachment B. For lithium-

iron phosphate batteries, the UL9540A testing indicated that the primary toxic pollutants could be any of the pollutants listed in Table 1. Based upon recent testing data for representative Project components, six of these constituents are toxic air contaminants (that have a de minimis, SQER, ASIL, or AEGL) that could be potentially released during an accidental event within a BESS that may have an impact on nearby receptors. The TAPs include propylene and carbon monoxide. A higher concentration of TAPs was observed at the cell level 9540 testing compared to the module and unit level. Therefore, the cell level concentrations were used to scale up for the multi-cell level analysis. Detailed emission calculations are included in Attachment A.

Table 1. Potential Chemical Constituents Emitted from LFP Batteries

Chemical Formula	Chemical Name
CH_4	Methane
C_2H_4	Ethylene
C_2H_6	Ethane
C_3H_6	Propylene
C_3H_8	Propane
C4 (Total)	N/A
C5 (Total)	N/A
CO	Carbon Monoxide
CO_2	Carbon Dioxide
H_2	Hydrogen
N_2	Nitrogen

Source: TUV Rheinland 2023.
Notes: N/A = not available

Generally, the battery cell will start to off gas through pressure relief vents (or pouch seams) if the temperature exceeds 120°C (DNV GL 2017); however, the battery will not enter thermal runaway until it exceeds the thermal runaway onset temperature, which is usually between 170°C and 220°C, depending on manufacturer.

5.3 Dispersion Modeling

Air dispersion models calculate the atmospheric transport and fate of pollutants from the emission source. The models calculate the concentration of selected pollutants at specific downwind ground-level points, such as residential or school receptors. The transformation (fate) of an airborne pollutant, its movement with the prevailing winds (transport), its crosswind and vertical movement due to atmospheric turbulence (dispersion), and its removal due to dry and wet deposition are influenced by the pollutant's physical and chemical properties, and by meteorological and environmental conditions. Factors such as distance from the source to the receptor, meteorological conditions, intervening land use and terrain, pollutant release characteristics, and background pollutant concentrations affect the predicted air concentration of an air pollutant. Air dispersion models have the capability to take all of these factors into consideration when calculating downwind ground-level pollutant concentrations.

A dispersion modeling analysis was conducted for TAPs emitted from a thermal runaway event on proximate off-site receptors. The dispersion modeling was performed using AERMOD Version 24142, which is the model the U.S. Environmental Protection Agency (EPA) approved, and the Washington Department of Ecology recommends for atmospheric dispersion of emissions. AERMOD is a steady-state Gaussian plume model that incorporates air dispersion

based on planetary boundary layer turbulence structure and scaling concepts, including treatment of surface and elevated sources, building downwash, and simple and complex terrain. Principal parameters of AERMOD for the thermal runaway event included the following and are included in Attachment C:

- **Dispersion Model:** The air dispersion model used was AERMOD, Version 24142, with the Lakes Environmental Software implementation/user interface, AERMOD View, Version 13.0.0. A unit emission rate (1 gram per second [g/s]) was normalized over each unique source of emissions for the AERMOD run to obtain the "X/Q" values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength and is used as a way to simplify the representation of emissions from many sources. The maximum concentrations were determined for the 1-hour and 24-hour averaging periods. Table 2 provides detailed source parameters for modeling emissions with AERMOD. Source parameters were based on information found within the UL 9540A testing results (TUV Rheinland 2023).

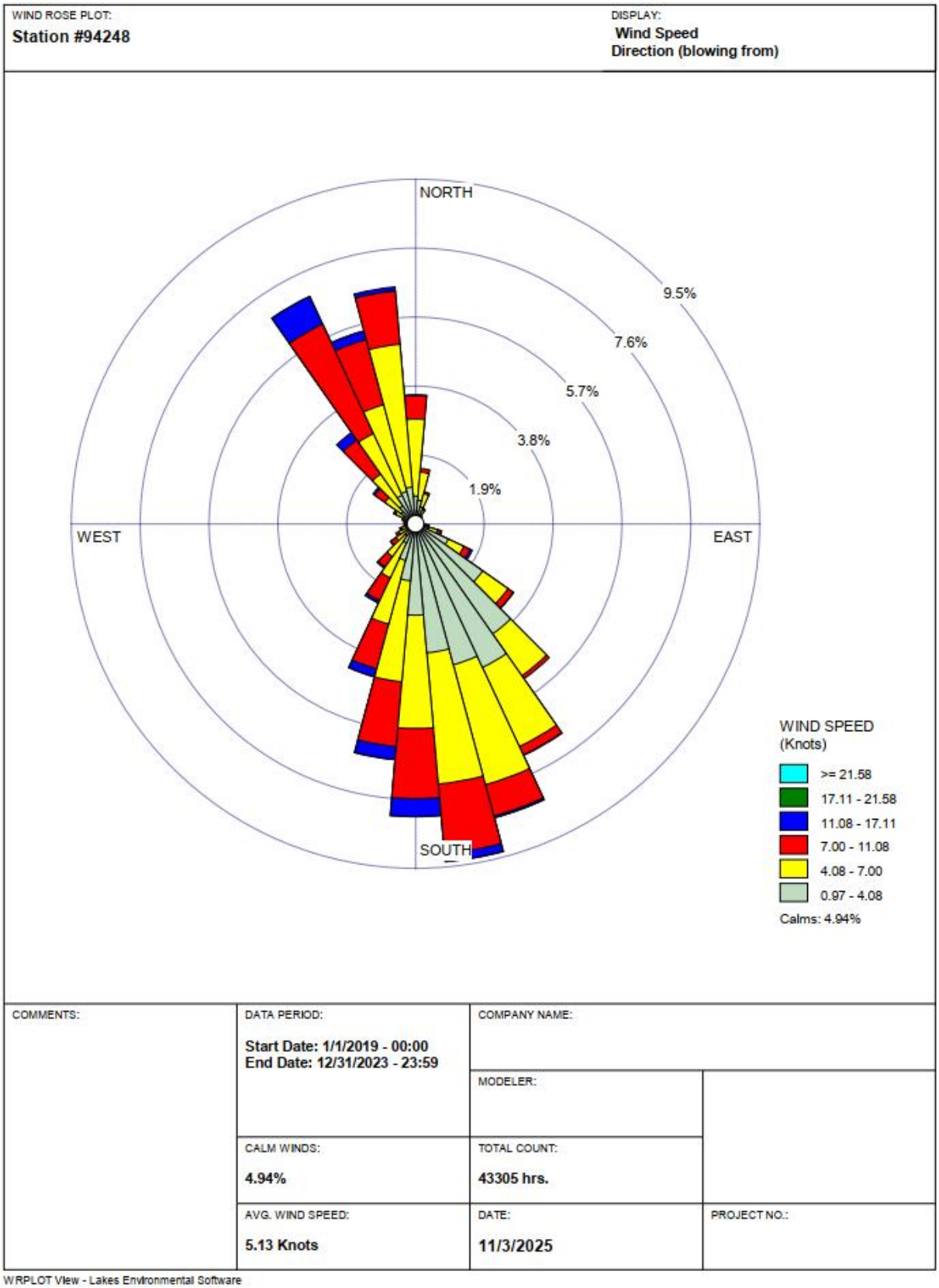
Table 2. Emission Source Parameters

Source ID	Source Name	Source Type	Source Parameters
STCK1	BESS Container	Point	Base Elevation: 758.56 ft Release Height: 7.31 ft Emission Rate: 1 g/s Gas Exit Temperature: 295.7 °C Stack Inside Diameter: 2.66 ft Gas Exit Velocity: 0.001 m/s Gas Exit Flow Rate: 1.224 ft^3/min Variable Emissions Scenario: None

Sources: TUV Rheinland 2023.
Notes: ft = feet; ft^3/min = cubic feet per minute; ft/s = feet per second; g/s = grams per second; ID = Identification; K = degrees Celsius; m = meters.

- **Meteorological Data:** The latest five-year meteorological data (2019-2023) were obtained from Lakes Environmental and input to AERMOD. The most representative surface meteorological station was from Renton and upper air station from Quillayute, Washington. A wind rose is provided for this station in Figure 2.
- **Urban and Rural Options:** Typically, urban areas have more surface roughness and structures and low-albedo surfaces that absorb more sunlight, and thus, more heat, relative to rural areas. The rural dispersion option was selected based on the predominant development within 2 kilometers of the project site.
- **Terrain Characteristics:** Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate for the site. This accounts for complex terrain within 2 kilometers of the site. The AERMAP terrain preprocessor, which can process U.S. Geological Survey (USGS) Digital Elevation Model (DEM) data and data from the NED, is also used to generate the terrain elevations for the receptor locations. The AERMAP program generates an output file that contains the receptor pathway data for AERMOD. The NED dataset with resolution of 30-meter resolution was used.
- **Receptors:** Discrete receptors were placed over rural residences, commercial/industrial uses, and schools proximate to the Project site. For denser residential neighborhoods in close proximity to the project, a uniform cartesian grid of 25 meter spacing was used.

Figure 2. Wind Rose of Meteorological Data



5.4 Exposure Assessment

Under the worst-case scenario, the burning and/or venting of the battery cells due to a battery cell malfunction would result in combustion-related emissions. Inhalation is the main pathway by which these emissions could potentially cause public health impacts.

The concentration result from AERMOD was then multiplied by the emission rate of each pollutant to determine the project concentration at the point of maximum impact (PMI). All other receptors would have a lower concentration compared to the PMI. The project concentration at the PMI for each pollutant was then compared to the de minimis level, SQER, ASIL, or AEGL. The analysis took into consideration both 1-hour and 24-hour concentrations as propylene has an established 24-hour ASIL and carbon monoxide has a 1-hour ASIL.

6 Significance Criteria

The applicable de minimis level, SQER, ASIL, or AEGL (level 1) for each pollutant evaluated in this assessment is shown below in Table 3.

Table 3. Significance Criteria

Chemical Name	De minimis level	SQER	ASIL (µg/m³)	AEGL (µg/m³)
Propylene[1]	11	220	3,000	NA
Propane	NA	NA	NA	9,920
Butane	NA	NA	NA	13,074
Carbon Monoxide[2]	1.1	43	23,000	NA

Source: Washington Administrative Code 173-460-150; EPA 2024.
Notes: N/A = not applicable; REL = reference exposure level; AEGL = acute exposure guideline levels; µg/m³ = microgram per cubic meter.
[1] The de minimis level and small quantity emission rate is in pounds per 24-hours.
[2] The de minimis level and small quantity emission rate is in pounds per hour.

7 Results

Table 4 presents the maximum emission rates of the thermal runaway scenario of 20 cells compared to the de minimis levels and SQER.

Table 4. Project Emission Rates

Pollutant	Emissions (lb/hr)	De minimis (lb/hr)	SQER (lb/hr)	Emissions (lb/24-hr)	De minimis (lb/24-hr)	SQER (lb/24-hr)	Exceed de minimis OR SQER?
Propylene	0.24	NA	NA	5.69	11.00	220.00	**No**
Propane	0.06	NA	NA	1.44	NA	NA	**NA**
Butane	0.13	NA	NA	3.02	NA	NA	**NA**
Carbon Monoxide	3.43	1.10	43.00	82.20	NA	NA	**Yes**

Notes: N/A = not applicable; SQER = small quantity emission rate; lb = pound; AEGL = acute exposure guideline levels.
Source: See Attachment A.

As shown in Table 4, the emissions of propylene would not exceed the de minimis or SQER levels. Emissions of carbon monoxide would exceed the de minimis level but would not exceed the SQER level. In accordance with the Washington Administrative Code 173-460, the SQER is set at a conservative level to protect public health and the environment and pollutants that don't exceed the SQER don't require dispersion modeling. As such, no adverse health effects are anticipated from exposure to a thermal runaway event. However, in an abundance of caution, dispersion modeling was performed to evaluate the concentrations compared to the ASIL and AEGL. Table 5 presents the project's concentrations compared to the ASIL and AEGL for the 1-hour modeling.

Table 5. Project Results – 1 Hour Concentration

Pollutant	Project Concentration (µg/m³)	ASIL (µg/m³)	AEGL (µg/m³)	Exceed ASIL or AEGL?
Propylene	26.73	NA	NA	**NA**
Propane	6.77	NA	9,920	**No**
Butane	14.21	NA	13,074	**No**
Carbon Monoxide	386.30	23,000	NA	**No**

Notes: N/A = not applicable; SQER = small quantity emission rate; AEGL = acute exposure guideline levels; µg/m³ = microgram per cubic meter.
Source: See Attachment A.

As shown in Table 5, the results of the 1-hour analysis at the PMI show that the emissions from a thermal runaway event (assuming 20 cells) would not exceed the ASIL or AEGL for any pollutant. As such, no adverse health effects are anticipated from exposure to a thermal runaway event. Table 6 presents the results of the 24-hour exposure assessment of the thermal runaway scenario of 20 cells as discussed in the methodology above at the PMI.

Table 6. Project Results – 24 Hour Concentration

Pollutant	Project Concentration (µg/m³)	ASIL (µg/m³)	AEGL (µg/m³)	Exceed ASIL or AEGL?
Propylene	5.66	3,000	NA	**No**
Propane	1.43	NA	NA	**NA**
Butane	3.01	NA	NA	**NA**
Carbon Monoxide	81.82	NA	NA	**NA**

Notes: N/A = not applicable; SQER = small quantity emission rate; AEGL = acute exposure guideline levels; µg/m³ = microgram per cubic meter.
Source: See Attachment A.

As shown in Table 6, the results of the 24-hour analysis at the PMI showed that the emissions from a thermal runaway event (assuming 20 cells) would not exceed the ASIL or AEGL for any pollutant. As such, no adverse health effects are anticipated at the PMI from exposure to a thermal runaway event.

8 Conclusions

As shown in Section 7, the results of the thermal runaway analysis show that emissions from the BESS would not exceed the de minimis, SQER, ASIL, or Level 1 AEGL at the point of maximum impact assuming 20 cells underwent thermal runaway. This analysis is considered conservative as it assumes ten times the number of cells would undergo a thermal runaway compared to what was observed in the UL9540A testing with no safety measures in place. The risk calculations are contained in Attachment A, and the dispersion modeling outputs are in Attachment C.

The results determined in this analysis reflect conservative estimates of source emissions and exhaust characteristics, available meteorological data near the project site, and the use of currently approved air quality models. Given the limits of available tools for such an analysis, the actual impacts may vary from the estimates in this assessment. However, the combined use of the AERMOD dispersion model and the health impact calculations required by Washington Department of Ecology tend to over-predict impacts such that they produce conservative (i.e., health-protective) results. Accordingly, the health impacts are not expected to be higher than those estimated in this assessment. Furthermore, the assumption of 20 cells undergoing a thermal runaway is highly unlikely based on the UL9540A testing and safety systems in place.

As such, the proposed project would not result in any significant air quality impacts to proximate receptors.

9 References

American Clean Power. 2025. REPORT: Energy Storage's Meteoric Rise Breaks Another Record. March 19. https://cleanpower.org/news/u-s-energy-storage-monitor-q4-2024/#:~:text=HOUSTON/WASHINGTON%2C%20D.C.%2C%20March,(ACP)%20and%20Wood%20Mackenzie.

CARB (California Air Resources Board). 2005. Air Quality and Land Use Handbook: A Community Health Perspective. April. https://www.aqmd.gov/docs/default-source/ceqa/handbook/california-air-resources-board-air-quality-and-land-use-handbook-a-community-health-perspective.pdf.

DNVGL. 2017. *Considerations for ESS Fire Safety*. February 9, 2017. Accessed May 2024. https://www-nyserda-ny-gov.webpkgcache.com/doc/-/s/www.nyserda.ny.gov/-/media/Project/Nyserda/files/Publications/Research/Energy-Storage/20170118-ConEd-NYSERDA-Battery-Testing-Report.pdf.

EPA (United States Environmental Protection Agency). 2024. Access Acute Exposure Guideline Levels (AEGLs) Values. June 3. https://www.epa.gov/aegl/access-acute-exposure-guideline-levels-aegls-values#chemicals.

IEEE (Institute of Electrical and Electronics Engineers). 2022. IEEE C2 National Electrical Safety Code® (NESC®). August 1, 2022.

IFC (International Fire Code). 2021. 2021 International Fire Code. November 2021. Accessed May 2024. https://codes.iccsafe.org/content/IFC2021P1/preface#:~:text=The%20International%20Fire%20Code%C2%AE,materials%20and%20new%20system%20designs.

OEHHA. 2015. Air Toxics Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments 2015. February 2015. Accessed April 2019. http://oehha.ca.gov/air/hot_spots/2015/2015GuidanceManual.pdf.

OEHHA. 2020. OEHHA Acute, 8-hour and Chronic Reference Exposure Level (REL) Summary. August. https://oehha.ca.gov/air/general-info/oehha-acute-8-hour-and-chronic-reference-exposure-level-rel-summary.

New York Department of Health. 2024. What You Should Know about Fires. October. https://www.health.ny.gov/environmental/outdoors/air/what_to_know.htm#fire_response.

NFPA (National Fire Protection Association). 2022. *NFPA 550 Guide to the Fire Safety Concepts Tree*. Accessed May 2024. https://link.nfpa.org/free-access/publications/550/2022.

NFPA. 2023. *NFPA 70 National Electrical Code*. Accessed May 2024. https://link.nfpa.org/free-access/publications/70/2023.

NFPA. 2023. *NFPA 855 Standard for the Installation of Stationary Energy Storage Systems*. Accessed May 2024. https://link.nfpa.org/free-access/publications/855/2023

NFPA (National Fire Protection Association). 2017. Technical Committee on Stationary Energy Storage Systems Minutes of Meeting. January 10. https://www.nfpa.org/assets/files/AboutTheCodes/855/855_ESS_AAA_DraftDevminutes_01_17.pdf.

NFPA. 2022. NFPA 550 Guide to the Fire Safety Concepts Tree.

NFPA. 2023. NFPA 70 National Electrical Code.

NFPA. 2023. NFPA 855 Standard for the Installation of Stationary Energy Storage Systems.

TUV Rheinland. 2023. Cel Test Report UL 9540A for Xiamen Hithium Energy Storage Technology Co., Ltd. August 29.

UL (Underwriters Laboratories). 2019. *UL 9540A ANSI/CAN/UL Standard for Test Method for Evaluating Thermal Runaway Fire Propagation in Battery Energy Storage Systems*. November 12, 2019. Accessed May 2024. https://www.shopulstandards.com/ProductDetail.aspx?productId=UL9540A_4_S_20191112

UL. 2022. *UL 1973 Batteries for Use in Stationary and Motive Auxiliary Power Applications*. February 25, 2022. Accessed May 2024. https://www.shopulstandards.com/ProductDetail.aspx?productId=UL1973_3_S_20220225

UL. 2023. *UL 1741 Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources*. May 19, 2023. Accessed May 2024. https://www.shopulstandards.com/ProductDetail.aspx?productId=UL1741_3_S_20210928

UL. 2023. *UL 9540 Standard for Energy Storage Systems and Equipment*. June 28, 2023. Accessed May 2024. https://www.shopulstandards.com/ProductDetail.aspx?UniqueKey=36788.

Washington Administrative Code 173-460-150. https://app.leg.wa.gov/WAC/default.aspx?cite=173-460-150.

Attachment A

Emission Calculations

Thermal Runaway Emissions - Hithium Cell Level

TAC Emission Calculations

				Volume of gas (L)				Mass for 20 Cells					AEGL
Pollutant	**Chemical Formula**	**CAS**	**Measured %**	**Cell**	**Molar Mass (g/mol)**	**Density (g/L)**	**Density (kg/L)**	**kg**	**lb**	**lb/hr**	**ASIL (µg/m3)**	**AEGL (ppm)**	**(µg/m3)**
Methane	CH4	74-82-8	3.671%	4.77	16.04	2.65	0.003	0.252	0.555	0.444	NA	NA	NA
Ethylene	C2H4	74-85-1	1.389%	1.81	28.05	4.63	0.005	0.167	0.368	0.294	NA	NA	NA
Ethane	C2H6	74-84-0	0.548%	0.71	30.07	4.96	0.005	0.071	0.155	0.124	NA	NA	NA
Propylene	C3H6	115-07-1	0.745%	0.97	42.08	6.94	0.007	0.134	0.296	0.237	3000 (24 hr)	NA	NA
Propane	C3H8	74-98-6	0.180%	0.23	44.10	7.27	0.007	0.034	0.075	0.060	NA	5500	9920
Butane	C4 (Total)	106-97-8	0.288%	0.37	58.12	9.58	0.010	0.072	0.158	0.126	NA	5500	13074
Pentane	C5 (Total)	109-66-0	0.241%	0.31	72.15	11.90	0.012	0.075	0.164	0.131	NA	NA	NA
Carbon Monoxide	CO	630-08-0	16.202%	21.06	28.01	4.62	0.005	1.946	4.281	3.425	23000 (1 hr)	NA	NA
Carbon Dioxide	CO2	124-38-9	26.861%	34.92	44.01	7.26	0.007	5.069	11.151	8.921	NA	NA	NA
Hydrogen	H2	1333-74-0	49.875%	64.84	2.02	0.33	0.000	0.431	0.948	0.759	NA	NA	NA
Check sum			*100.00%*	*130.00*									
			Total Volume of Gas	130.00									

Source: Cell Level Test Report UL 9540A for Xiamen Hithium Energy Storage Technology Co., Ltd.

Number of Cells/Module	104	cells/tray (from UL9450 test data)
Test Duration:	1.25	hours (from UL9450 test data)
	2	cells exhibited thermal runaway of module
	4992	cells/container

Density Calculation

p=PM/RT

P	7.698	atm	0.78 Mpa	UL9540A
M	Molar Mass	g/mol		
R	0.08206	L.atm/K-mol		constant
T	568.85	K		UL9540A

Attachment B

Prior Studies on Emissions from Battery Malfunctions

Several studies have examined the emissions of pollutants from battery off-gassing situations during thermal runaway events, with some studies examining only the concentration of toxic pollutants and others also examining emission rates. The relevant studies are listed in Table B-1 below.

Study	Description
ESRG 2023.	Hazard Mitigation Analysis for Tesla Megapack 2/XL
U9540A Unit Test Report for CATL	9540A Testing for Lithium Iron Phosphate Battery Chemistry
Fisher Engineering 2023.	Fire Protection Engineering Analysis
Fisher Engineering 2022.	UL 9540A unit Level Fire Test Analysis.
DNVGL 2017	Measured characteristics of a wide range of battery types and failures

Attachment C

Dispersion Modeling Outputs

Table of Contents

Cascadia Ridge Battery Energy Storage Project Thermal Runaway Analysis - Point of Maximum Impact

Table 1. Max Emission Rates (lbs/day) for Project - 20 Cells				
Max Rates	**Propylene**	**Propane**	**Butane**	**Carbon Monoxide**
Hourl Max, g/s	0.030	0.008	0.016	0.432
Hourly Max lbs/hr	0.24	0.06	0.13	3.43
Hourly Max lbs/24-hr	5.69	1.44	3.02	82.20
De Minimis (lb/24 hour)	11.00	NA	NA	NA
SQER (lb/24 hour)	220.00	NA	NA	NA
De Minimis (lb/hour)	NA	NA	NA	1.10
SQER (lb/hour)	NA	NA	NA	43.00
Exceed De Minimis?	**No**	**NA**	**NA**	**Yes**
Exceed SQER	**No**	**NA**	**NA**	**No**

Notes: SQER = small quantity emission rate; lb = pound; g/s = grams per second.

Table 2. AERMOD Maximum Impact X/Q, (µg/m^3)/(g/s)	
Max 1-Hour	**Max 24-Hour**
895.17	189.6

Notes: These concentrations are based on the AERMOD Results Summary Report. µg/m^3 = microgram per cubic meter.

Table 3. Project Contribution Concentrations (µg/m^3) (1-hour)							
Pollutant	**CAS No.**	**Hr. Max (g/s)**	**X/Q (µg/m^3)/(g/s) (1-hour)**	**Project Concentration (µg/m^3) (1-hour)**	**ASIL (µg/m^3)**	**AEGL (µg/m^3)**	**Project Exceed ASIL or AEGL?**
		(from Table 1)	**(from Table 2)**				
Propylene	115071	0.030	895.17	26.73	NA	NA	No
Propane	74986	0.008	895.17	6.77	NA	9,920	No
Butane	106978	0.02	895.17	14.21	NA	13,074	No
Carbon Monoxide	630080	0.43	895.17	386.30	23,000	NA	No

Note: CAS = chemical abstract service; g/s = grams per second; µg/m^3 = microgram per cubic meter; ASIL = acceptable source impact level; AEGL = acute exposure guideline level.

Table 4. Project Contribution Concentrations (µg/m^3) (24-hour)							
Pollutant	**CAS No.**	**Hr. Max (g/s)**	**X/Q (µg/m^3)/(g/s) (24-hour)**	**Project Concentration (µg/m^3) (24-hour)**	**ASIL (µg/m^3)**	**AEGL (µg/m^3)**	**Project Exceed ASIL or AEGL?**
		(from Table 1)	**(from Table 2)**				
Propylene	115071	0.030	189.60	5.66	3000	NA	No
Propane	74986	0.008	189.60	1.43	NA	NA	No
Butane	106978	0.016	189.60	3.01	NA	NA	No
Carbon Monoxide	630080	0.432	189.60	81.82	NA	NA	No

Note: CAS = chemical abstract service; g/s = grams per second; µg/m^3 = microgram per cubic meter; ASIL = acceptable source impact level; AEGL = acute exposure guideline level.

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 11/4/2025
** File: C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cascadia
AERMOD\Cascadia AERMOD.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas
   MODELOPT DFAULT CONC
   AVERTIME 1 24
   POLLUTID VARIOUS
   RUNORNOT RUN
   ERRORFIL "Cascadia AERMOD.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINTHOR   585702.690  5264350.690      231.210
** Source Parameters **
   SRCPARAM STCK1              1.0     2.228   568.850 0.00111890075323277  0.810768
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Cascadia AERMOD.rou"
RE FINISHED
```

```
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE
..\archive\AERMOD_MET2528293_94248_94240_2019_2023\MET2528293_2019_2023.SFC
   PROFFILE
..\archive\AERMOD_MET2528293_94248_94240_2019_2023\MET2528293_2019_2023.PFL
   SURFDATA 94248 2019
   UAIRDATA 94240 2019 QUILLAYUTE/WSO_AIRPORT
   PROFBASE 8.8 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "Cascadia AERMOD.AD\01H1GALL.PLT" 31
   PLOTFILE 24 ALL 1ST "Cascadia AERMOD.AD\24H1GALL.PLT" 32
   SUMMFILE "Cascadia AERMOD.sum"
OU FINISHED


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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 ME W187      61       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 *********************************
```

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

 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        11:09:37

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  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 RURAL Dispersion Only.
      * Option for Capped & Horiz Stacks Selected With:
          0 Capped Stack(s); and         1 Horizontal Stack(s)
      * 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: VARIOUS

 **Model Calculates  2 Short Term Average(s) of:   1-HR  24-HR

 **This Run Includes:      1 Source(s);       1 Source Group(s); and    1757
Receptor(s)

                with:      1 POINT(s), including
                           0 POINTCAP(s) and      1 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      0 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: 24142

**Output Options Selected:
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) = 8.80 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.7 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Cascadia AERMOD.err

**File for Summary of Results: Cascadia AERMOD.sum

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** POINT SOURCE DATA ***

NUMBER	EMISSION RATE	BASE	STACK	STACK	STACK	BLDG	URBAN	CAP/	EMIS RATE

```
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.    HEIGHT  TEMP.   EXIT
VEL. DIAMETER  EXISTS SOURCE HOR   SCALAR
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (DEG.K)
(M/SEC)  (METERS)                    VARY BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

 STCK1            0   0.10000E+01  585702.7 5264350.7   231.2     2.23   568.85
0.00     0.81    NO      NO   HOR
↑ *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        11:09:37

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


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

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


  ALL        STCK1       ,
↑ *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        11:09:37

                                  PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

     ( 585135.9, 5263476.0,     271.9,    1376.2,       0.0);         ( 585110.9,
5263501.0,     271.3,    1376.2,       0.0);
     ( 585135.9, 5263501.0,     271.4,    1376.2,       0.0);         ( 585160.9,
5263501.0,     271.1,    1376.2,       0.0);
     ( 585260.9, 5263501.0,     269.0,    1376.2,       0.0);         ( 585285.9,
5263501.0,     268.4,    1376.2,       0.0);
     ( 585310.9, 5263501.0,     268.4,    1376.2,       0.0);         ( 585110.9,
5263526.0,     270.6,    1376.2,       0.0);
     ( 585135.9, 5263526.0,     270.7,    1376.2,       0.0);         ( 585160.9,
5263526.0,     270.1,    1376.2,       0.0);
     ( 585185.9, 5263526.0,     269.2,    1376.2,       0.0);         ( 585210.9,
5263526.0,     269.2,    1376.2,       0.0);
     ( 585260.9, 5263526.0,     268.3,    1376.2,       0.0);         ( 585285.9,
```

5263526.0,   267.4,   1376.2,   0.0);
     (585310.9, 5263526.0,   267.6,   1376.2,   0.0);   (585085.9,
5263551.0,   269.6,   1376.2,   0.0);
     (585110.9, 5263551.0,   269.8,   1376.2,   0.0);   (585135.9,
5263551.0,   270.0,   1376.2,   0.0);
     (585160.9, 5263551.0,   269.6,   1376.2,   0.0);   (585185.9,
5263551.0,   268.8,   1376.2,   0.0);
     (585210.9, 5263551.0,   268.5,   1376.2,   0.0);   (585235.9,
5263551.0,   268.4,   1376.2,   0.0);
     (585260.9, 5263551.0,   267.1,   1376.2,   0.0);   (585285.9,
5263551.0,   266.2,   1376.2,   0.0);
     (585310.9, 5263551.0,   266.4,   1376.2,   0.0);   (585085.9,
5263576.0,   268.7,   1376.2,   0.0);
     (585110.9, 5263576.0,   269.2,   1376.2,   0.0);   (585135.9,
5263576.0,   269.5,   1376.2,   0.0);
     (585160.9, 5263576.0,   269.4,   1376.2,   0.0);   (585185.9,
5263576.0,   268.7,   1376.2,   0.0);
     (585210.9, 5263576.0,   268.2,   1376.2,   0.0);   (585235.9,
5263576.0,   267.4,   1376.2,   0.0);
     (585260.9, 5263576.0,   265.9,   1376.2,   0.0);   (585285.9,
5263576.0,   265.0,   1376.2,   0.0);
     (585310.9, 5263576.0,   265.1,   1376.2,   0.0);   (584785.9,
5263601.0,   273.2,   989.4,   0.0);
     (584810.9, 5263601.0,   271.7,   989.4,   0.0);   (584835.9,
5263601.0,   270.4,   989.4,   0.0);
     (584860.9, 5263601.0,   269.2,   989.4,   0.0);   (584885.9,
5263601.0,   268.4,   989.4,   0.0);
     (584910.9, 5263601.0,   268.0,   989.4,   0.0);   (584935.9,
5263601.0,   267.3,   1357.2,   0.0);
     (584960.9, 5263601.0,   267.4,   1362.6,   0.0);   (584985.9,
5263601.0,   267.5,   1376.2,   0.0);
     (585010.9, 5263601.0,   267.4,   1376.2,   0.0);   (585035.9,
5263601.0,   268.1,   1376.2,   0.0);
     (585060.9, 5263601.0,   268.1,   1376.2,   0.0);   (585085.9,
5263601.0,   268.0,   1376.2,   0.0);
     (585110.9, 5263601.0,   268.7,   1376.2,   0.0);   (585135.9,
5263601.0,   269.1,   1376.2,   0.0);
     (585160.9, 5263601.0,   269.2,   1376.2,   0.0);   (585185.9,
5263601.0,   268.5,   1376.2,   0.0);
     (585210.9, 5263601.0,   267.9,   1376.2,   0.0);   (585235.9,
5263601.0,   266.8,   1376.2,   0.0);
     (585260.9, 5263601.0,   265.0,   1376.2,   0.0);   (585285.9,
5263601.0,   263.9,   1376.2,   0.0);
     (585310.9, 5263601.0,   263.8,   1376.2,   0.0);   (584435.9,
5263626.0,   285.3,   916.0,   0.0);
     (584460.9, 5263626.0,   284.1,   914.6,   0.0);   (584760.9,
5263626.0,   273.8,   989.4,   0.0);
     (584785.9, 5263626.0,   272.6,   989.4,   0.0);   (584810.9,
5263626.0,   271.1,   989.4,   0.0);
     (584835.9, 5263626.0,   269.7,   989.4,   0.0);   (584860.9,

5263626.0,   268.1,   989.4,   0.0);
     (584885.9, 5263626.0,   267.1,   989.4,   0.0);   (584910.9,
5263626.0,   266.6,   989.4,   0.0);
     (584935.9, 5263626.0,   266.1,   1361.0,   0.0);   (584960.9,
5263626.0,   266.1,   1362.6,   0.0);
     (584985.9, 5263626.0,   266.2,   1376.2,   0.0);   (585010.9,
5263626.0,   266.3,   1376.2,   0.0);
     (585035.9, 5263626.0,   267.3,   1376.2,   0.0);   (585060.9,
5263626.0,   267.5,   1376.2,   0.0);
     (585085.9, 5263626.0,   267.4,   1376.2,   0.0);   (585110.9,
5263626.0,   268.1,   1376.2,   0.0);
     (585135.9, 5263626.0,   268.8,   1376.2,   0.0);   (585160.9,
5263626.0,   268.9,   1376.2,   0.0);
     (585185.9, 5263626.0,   268.1,   1376.2,   0.0);   (585210.9,
5263626.0,   267.4,   1376.2,   0.0);
     (585235.9, 5263626.0,   266.5,   1376.2,   0.0);   (585260.9,
5263626.0,   264.4,   1376.2,   0.0);
     (585285.9, 5263626.0,   263.2,   1376.2,   0.0);   (585310.9,
5263626.0,   262.7,   1376.2,   0.0);
     (584410.9, 5263651.0,   284.9,   916.0,   0.0);   (584435.9,
5263651.0,   284.2,   916.0,   0.0);
     (584460.9, 5263651.0,   283.3,   913.7,   0.0);   (584485.9,
5263651.0,   281.2,   913.7,   0.0);
     (584510.9, 5263651.0,   279.4,   987.8,   0.0);   (584535.9,
5263651.0,   279.3,   988.9,   0.0);
     (584585.9, 5263651.0,   278.4,   989.4,   0.0);   (584610.9,
5263651.0,   277.8,   989.4,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

     (584635.9, 5263651.0,   277.1,   989.4,   0.0);   (584660.9,
5263651.0,   276.4,   989.4,   0.0);
     (584685.9, 5263651.0,   274.8,   989.4,   0.0);   (584710.9,
5263651.0,   274.1,   989.4,   0.0);
     (584735.9, 5263651.0,   273.7,   989.4,   0.0);   (584760.9,
5263651.0,   272.7,   989.4,   0.0);
     (584785.9, 5263651.0,   271.3,   989.4,   0.0);   (584810.9,
5263651.0,   270.1,   989.4,   0.0);
     (584835.9, 5263651.0,   269.0,   989.4,   0.0);   (584860.9,
5263651.0,   267.0,   989.4,   0.0);
     (584885.9, 5263651.0,   265.4,   989.4,   0.0);   (584910.9,

```
5263651.0,     265.0,     989.4,       0.0);
     ( 584935.9, 5263651.0,     264.9,    1362.6,       0.0);         ( 584960.9,
5263651.0,     264.9,    1376.2,       0.0);
     ( 584985.9, 5263651.0,     264.9,    1376.2,       0.0);         ( 585010.9,
5263651.0,     265.1,    1376.2,       0.0);
     ( 585035.9, 5263651.0,     266.1,    1376.2,       0.0);         ( 585060.9,
5263651.0,     266.6,    1376.2,       0.0);
     ( 585085.9, 5263651.0,     266.6,    1376.2,       0.0);         ( 585110.9,
5263651.0,     267.5,    1376.2,       0.0);
     ( 585135.9, 5263651.0,     268.3,    1376.2,       0.0);         ( 585160.9,
5263651.0,     268.4,    1376.2,       0.0);
     ( 585185.9, 5263651.0,     267.4,    1376.2,       0.0);         ( 585210.9,
5263651.0,     266.5,    1376.2,       0.0);
     ( 585235.9, 5263651.0,     265.9,    1376.2,       0.0);         ( 585260.9,
5263651.0,     264.0,    1376.2,       0.0);
     ( 585285.9, 5263651.0,     262.7,    1376.2,       0.0);         ( 585310.9,
5263651.0,     262.3,    1376.2,       0.0);
     ( 584410.9, 5263676.0,     284.0,     916.0,       0.0);         ( 584435.9,
5263676.0,     283.1,     914.6,       0.0);
     ( 584460.9, 5263676.0,     282.1,     691.6,       0.0);         ( 584485.9,
5263676.0,     280.6,     691.6,       0.0);
     ( 584510.9, 5263676.0,     278.4,     800.4,       0.0);         ( 584535.9,
5263676.0,     278.0,     987.8,       0.0);
     ( 584560.9, 5263676.0,     278.1,     988.9,       0.0);         ( 584585.9,
5263676.0,     277.2,     989.4,       0.0);
     ( 584610.9, 5263676.0,     276.6,     989.4,       0.0);         ( 584635.9,
5263676.0,     276.3,     989.4,       0.0);
     ( 584660.9, 5263676.0,     275.9,     989.4,       0.0);         ( 584685.9,
5263676.0,     274.4,     989.4,       0.0);
     ( 584710.9, 5263676.0,     272.4,     989.4,       0.0);         ( 584735.9,
5263676.0,     271.4,     989.4,       0.0);
     ( 584760.9, 5263676.0,     271.1,     989.4,       0.0);         ( 584785.9,
5263676.0,     269.9,     989.4,       0.0);
     ( 584810.9, 5263676.0,     268.6,     989.4,       0.0);         ( 584835.9,
5263676.0,     267.8,     989.4,       0.0);
     ( 584860.9, 5263676.0,     265.9,     989.4,       0.0);         ( 584885.9,
5263676.0,     264.1,     989.4,       0.0);
     ( 584910.9, 5263676.0,     263.9,    1357.2,       0.0);         ( 584935.9,
5263676.0,     263.8,    1362.6,       0.0);
     ( 584960.9, 5263676.0,     263.4,    1376.2,       0.0);         ( 584985.9,
5263676.0,     263.7,    1376.2,       0.0);
     ( 585010.9, 5263676.0,     263.9,    1376.2,       0.0);         ( 585035.9,
5263676.0,     264.8,    1376.2,       0.0);
     ( 585060.9, 5263676.0,     265.1,    1376.2,       0.0);         ( 585085.9,
5263676.0,     264.8,    1376.2,       0.0);
     ( 585110.9, 5263676.0,     264.9,    1376.2,       0.0);         ( 585135.9,
5263676.0,     264.9,    1376.2,       0.0);
     ( 585160.9, 5263676.0,     264.9,    1376.2,       0.0);         ( 585185.9,
5263676.0,     265.9,    1376.2,       0.0);
     ( 585210.9, 5263676.0,     265.4,    1376.2,       0.0);         ( 585235.9,
```

5263676.0,   264.8,   1376.2,   0.0);
     (585260.9, 5263676.0,   263.5,   1376.2,   0.0);   (585285.9,
5263676.0,   262.2,   1376.2,   0.0);
     (585310.9, 5263676.0,   262.0,   1376.2,   0.0);   (585335.9,
5263676.0,   262.3,   1376.2,   0.0);
     (584410.9, 5263701.0,   283.0,   916.0,   0.0);   (584435.9,
5263701.0,   281.4,   916.0,   0.0);
     (584460.9, 5263701.0,   280.3,   913.7,   0.0);   (584485.9,
5263701.0,   279.9,   691.6,   0.0);
     (584510.9, 5263701.0,   277.9,   691.6,   0.0);   (584535.9,
5263701.0,   276.3,   987.8,   0.0);
     (584560.9, 5263701.0,   276.1,   988.9,   0.0);   (584585.9,
5263701.0,   275.7,   988.9,   0.0);
     (584610.9, 5263701.0,   274.9,   989.4,   0.0);   (584635.9,
5263701.0,   274.2,   989.4,   0.0);
     (584660.9, 5263701.0,   273.4,   989.4,   0.0);   (584685.9,
5263701.0,   272.8,   989.4,   0.0);
     (584710.9, 5263701.0,   271.5,   989.4,   0.0);   (584735.9,
5263701.0,   269.9,   989.4,   0.0);
     (584760.9, 5263701.0,   268.5,   989.4,   0.0);   (584785.9,
5263701.0,   268.2,   989.4,   0.0);
     (584810.9, 5263701.0,   267.0,   989.4,   0.0);   (584835.9,
5263701.0,   266.4,   989.4,   0.0);
     (584860.9, 5263701.0,   265.3,   989.4,   0.0);   (584885.9,
5263701.0,   263.4,   989.4,   0.0);
     (584910.9, 5263701.0,   263.1,   1361.0,   0.0);   (584935.9,
5263701.0,   262.6,   1374.6,   0.0);
     (584960.9, 5263701.0,   262.2,   1376.2,   0.0);   (584985.9,
5263701.0,   262.4,   1376.2,   0.0);

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

     (585010.9, 5263701.0,   262.6,   1376.2,   0.0);   (585035.9,
5263701.0,   263.4,   1376.2,   0.0);
     (585060.9, 5263701.0,   263.7,   1376.2,   0.0);   (585085.9,
5263701.0,   263.5,   1376.2,   0.0);
     (585110.9, 5263701.0,   263.6,   1376.2,   0.0);   (585135.9,
5263701.0,   262.3,   1376.2,   0.0);
     (585160.9, 5263701.0,   261.4,   1376.2,   0.0);   (585185.9,
5263701.0,   263.9,   1376.2,   0.0);
     (585210.9, 5263701.0,   264.4,   1376.2,   0.0);   (585235.9,

```
5263701.0,     263.9,    1376.2,       0.0);
     ( 585260.9, 5263701.0,     263.1,    1376.2,       0.0);         ( 585285.9,
5263701.0,     261.1,    1376.2,       0.0);
     ( 585310.9, 5263701.0,     259.7,    1376.2,       0.0);         ( 585335.9,
5263701.0,     260.0,    1376.2,       0.0);
     ( 584410.9, 5263726.0,     281.7,     916.0,       0.0);         ( 584435.9,
5263726.0,     280.0,     916.0,       0.0);
     ( 584460.9, 5263726.0,     279.1,     691.6,       0.0);         ( 584485.9,
5263726.0,     278.9,     691.6,       0.0);
     ( 584510.9, 5263726.0,     278.1,     691.6,       0.0);         ( 584535.9,
5263726.0,     276.9,     800.4,       0.0);
     ( 584560.9, 5263726.0,     275.4,     987.8,       0.0);         ( 584585.9,
5263726.0,     274.2,     988.9,       0.0);
     ( 584610.9, 5263726.0,     273.6,     989.4,       0.0);         ( 584635.9,
5263726.0,     272.7,     989.4,       0.0);
     ( 584660.9, 5263726.0,     271.6,     989.4,       0.0);         ( 584685.9,
5263726.0,     270.2,     989.4,       0.0);
     ( 584710.9, 5263726.0,     269.7,     989.4,       0.0);         ( 584735.9,
5263726.0,     268.9,     989.4,       0.0);
     ( 584760.9, 5263726.0,     266.6,     989.4,       0.0);         ( 584785.9,
5263726.0,     266.4,     989.4,       0.0);
     ( 584810.9, 5263726.0,     266.0,     989.4,       0.0);         ( 584835.9,
5263726.0,     265.5,     989.4,       0.0);
     ( 584860.9, 5263726.0,     264.4,     989.4,       0.0);         ( 584885.9,
5263726.0,     262.4,     989.4,       0.0);
     ( 584910.9, 5263726.0,     262.2,    1362.6,       0.0);         ( 584935.9,
5263726.0,     261.9,    1376.2,       0.0);
     ( 584960.9, 5263726.0,     261.6,    1376.2,       0.0);         ( 584985.9,
5263726.0,     261.1,    1376.2,       0.0);
     ( 585010.9, 5263726.0,     261.0,    1376.2,       0.0);         ( 585035.9,
5263726.0,     262.0,    1376.2,       0.0);
     ( 585060.9, 5263726.0,     262.2,    1376.2,       0.0);         ( 585085.9,
5263726.0,     262.4,    1376.2,       0.0);
     ( 585110.9, 5263726.0,     262.1,    1376.2,       0.0);         ( 585135.9,
5263726.0,     260.0,    1376.2,       0.0);
     ( 585160.9, 5263726.0,     258.0,    1376.2,       0.0);         ( 585185.9,
5263726.0,     260.0,    1376.2,       0.0);
     ( 585210.9, 5263726.0,     261.9,    1376.2,       0.0);         ( 585235.9,
5263726.0,     262.0,    1376.2,       0.0);
     ( 585260.9, 5263726.0,     261.7,    1376.2,       0.0);         ( 585285.9,
5263726.0,     259.3,    1376.2,       0.0);
     ( 584460.9, 5263751.0,     278.4,     691.6,       0.0);         ( 584485.9,
5263751.0,     278.0,     691.6,       0.0);
     ( 584510.9, 5263751.0,     277.7,     691.6,       0.0);         ( 584535.9,
5263751.0,     276.9,     691.6,       0.0);
     ( 584560.9, 5263751.0,     275.3,     800.4,       0.0);         ( 584585.9,
5263751.0,     273.6,     988.9,       0.0);
     ( 584610.9, 5263751.0,     272.8,     988.9,       0.0);         ( 584635.9,
5263751.0,     271.5,     989.4,       0.0);
     ( 584660.9, 5263751.0,     269.5,     989.4,       0.0);         ( 584685.9,
```

5263751.0,   268.2,   989.4,   0.0);
     (584710.9, 5263751.0,   268.1,   989.4,   0.0);   (584735.9,
5263751.0,   267.7,   989.4,   0.0);
     (584760.9, 5263751.0,   264.9,   989.4,   0.0);   (584785.9,
5263751.0,   264.3,   989.4,   0.0);
     (584810.9, 5263751.0,   265.1,   989.4,   0.0);   (584835.9,
5263751.0,   264.8,   989.4,   0.0);
     (584910.9, 5263751.0,   261.1,   1362.6,   0.0);   (584935.9,
5263751.0,   260.0,   1376.2,   0.0);
     (584960.9, 5263751.0,   259.5,   1376.2,   0.0);   (584985.9,
5263751.0,   259.4,   1376.2,   0.0);
     (585010.9, 5263751.0,   259.0,   1376.2,   0.0);   (585035.9,
5263751.0,   260.1,   1376.2,   0.0);
     (585060.9, 5263751.0,   260.2,   1376.2,   0.0);   (585085.9,
5263751.0,   259.9,   1376.2,   0.0);
     (585110.9, 5263751.0,   258.7,   1376.2,   0.0);   (585135.9,
5263751.0,   256.6,   1376.2,   0.0);
     (585160.9, 5263751.0,   254.7,   1376.2,   0.0);   (585185.9,
5263751.0,   255.2,   1376.2,   0.0);
     (584460.9, 5263776.0,   277.8,   691.6,   0.0);   (584485.9,
5263776.0,   277.4,   691.6,   0.0);
     (584510.9, 5263776.0,   277.0,   691.6,   0.0);   (584535.9,
5263776.0,   276.4,   691.6,   0.0);
     (584560.9, 5263776.0,   275.1,   691.6,   0.0);   (584585.9,
5263776.0,   273.4,   987.8,   0.0);
     (584610.9, 5263776.0,   272.2,   988.9,   0.0);   (584635.9,
5263776.0,   270.2,   989.4,   0.0);
     (584660.9, 5263776.0,   267.7,   989.4,   0.0);   (584685.9,
5263776.0,   267.0,   989.4,   0.0);
     (584710.9, 5263776.0,   266.9,   989.4,   0.0);   (584735.9,
5263776.0,   266.4,   989.4,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

     (584460.9, 5263801.0,   277.4,   691.6,   0.0);   (584485.9,
5263801.0,   276.9,   691.6,   0.0);
     (584510.9, 5263801.0,   276.2,   691.6,   0.0);   (584535.9,
5263801.0,   275.6,   691.6,   0.0);
     (584560.9, 5263801.0,   274.8,   691.6,   0.0);   (584585.9,
5263801.0,   273.1,   800.4,   0.0);
     (584610.9, 5263801.0,   271.3,   988.9,   0.0);   (584635.9,

5263801.0,   269.0,   989.4,   0.0);
     (584660.9, 5263801.0,   266.7,   989.4,   0.0);   (584685.9,
5263801.0,   266.4,   989.4,   0.0);
     (584710.9, 5263801.0,   266.1,   989.4,   0.0);   (584735.9,
5263801.0,   264.7,   989.4,   0.0);
     (584460.9, 5263826.0,   276.9,   691.6,   0.0);   (584485.9,
5263826.0,   276.4,   691.6,   0.0);
     (584510.9, 5263826.0,   275.6,   691.6,   0.0);   (584535.9,
5263826.0,   274.8,   691.6,   0.0);
     (584560.9, 5263826.0,   274.1,   691.6,   0.0);   (584585.9,
5263826.0,   272.1,   800.4,   0.0);
     (584610.9, 5263826.0,   270.2,   987.8,   0.0);   (584635.9,
5263826.0,   268.5,   988.9,   0.0);
     (584660.9, 5263826.0,   265.8,   989.4,   0.0);   (584685.9,
5263826.0,   264.8,   989.4,   0.0);
     (584710.9, 5263826.0,   264.3,   989.4,   0.0);   (584460.9,
5263851.0,   276.1,   691.6,   0.0);
     (584485.9, 5263851.0,   275.2,   691.6,   0.0);   (584510.9,
5263851.0,   274.4,   691.6,   0.0);
     (584535.9, 5263851.0,   273.7,   691.6,   0.0);   (584560.9,
5263851.0,   272.8,   691.6,   0.0);
     (584585.9, 5263851.0,   270.6,   800.4,   0.0);   (584610.9,
5263851.0,   268.5,   987.8,   0.0);
     (584635.9, 5263851.0,   267.0,   988.9,   0.0);   (584660.9,
5263851.0,   265.0,   989.4,   0.0);
     (584685.9, 5263851.0,   263.2,   989.4,   0.0);   (584710.9,
5263851.0,   262.1,   989.4,   0.0);
     (584460.9, 5263876.0,   275.6,   691.6,   0.0);   (584485.9,
5263876.0,   274.4,   691.6,   0.0);
     (584510.9, 5263876.0,   273.2,   691.6,   0.0);   (584535.9,
5263876.0,   272.5,   691.6,   0.0);
     (584560.9, 5263876.0,   271.4,   691.6,   0.0);   (584585.9,
5263876.0,   269.6,   691.6,   0.0);
     (584610.9, 5263876.0,   267.4,   800.4,   0.0);   (584635.9,
5263876.0,   265.5,   988.9,   0.0);
     (584660.9, 5263876.0,   263.7,   989.4,   0.0);   (584685.9,
5263876.0,   262.3,   989.4,   0.0);
     (584710.9, 5263876.0,   261.1,   989.4,   0.0);   (584435.9,
5263901.0,   276.4,   691.6,   0.0);
     (584460.9, 5263901.0,   275.1,   691.6,   0.0);   (584485.9,
5263901.0,   273.9,   691.6,   0.0);
     (584510.9, 5263901.0,   272.4,   691.6,   0.0);   (584535.9,
5263901.0,   271.4,   691.6,   0.0);
     (584560.9, 5263901.0,   270.3,   691.6,   0.0);   (584585.9,
5263901.0,   268.7,   691.6,   0.0);
     (584610.9, 5263901.0,   266.6,   800.4,   0.0);   (584635.9,
5263901.0,   264.5,   988.9,   0.0);
     (584660.9, 5263901.0,   262.6,   989.4,   0.0);   (584685.9,
5263901.0,   261.6,   989.4,   0.0);
     (584710.9, 5263901.0,   260.6,   989.4,   0.0);   (584435.9,

5263926.0,   275.0,   691.6,   0.0);
     (584460.9, 5263926.0,   273.7,   691.6,   0.0);   (584485.9,
5263926.0,   272.7,   691.6,   0.0);
     (584510.9, 5263926.0,   271.6,   691.6,   0.0);   (584535.9,
5263926.0,   270.4,   691.6,   0.0);
     (584560.9, 5263926.0,   269.1,   691.6,   0.0);   (584585.9,
5263926.0,   267.4,   691.6,   0.0);
     (584610.9, 5263926.0,   265.8,   800.4,   0.0);   (584635.9,
5263926.0,   263.8,   987.8,   0.0);
     (584660.9, 5263926.0,   261.8,   988.9,   0.0);   (584685.9,
5263926.0,   261.0,   989.4,   0.0);
     (584710.9, 5263926.0,   259.8,   989.4,   0.0);   (584435.9,
5263951.0,   273.1,   691.6,   0.0);
     (584460.9, 5263951.0,   271.5,   691.6,   0.0);   (584485.9,
5263951.0,   270.2,   691.6,   0.0);
     (584510.9, 5263951.0,   269.9,   691.6,   0.0);   (584535.9,
5263951.0,   269.0,   691.6,   0.0);
     (584560.9, 5263951.0,   267.2,   691.6,   0.0);   (584585.9,
5263951.0,   265.6,   691.6,   0.0);
     (584610.9, 5263951.0,   264.2,   800.4,   0.0);   (584635.9,
5263951.0,   262.6,   800.4,   0.0);
     (584660.9, 5263951.0,   261.4,   988.9,   0.0);   (584410.9,
5263976.0,   273.0,   691.6,   0.0);
     (584435.9, 5263976.0,   272.2,   691.6,   0.0);   (584460.9,
5263976.0,   271.3,   691.6,   0.0);
     (584485.9, 5263976.0,   270.2,   691.6,   0.0);   (584510.9,
5263976.0,   268.9,   691.6,   0.0);
     (584535.9, 5263976.0,   266.2,   691.6,   0.0);   (584560.9,
5263976.0,   264.6,   691.6,   0.0);
     (584585.9, 5263976.0,   263.7,   691.6,   0.0);   (584610.9,
5263976.0,   263.1,   800.4,   0.0);
     (584635.9, 5263976.0,   261.4,   800.4,   0.0);   (584410.9,
5264001.0,   271.6,   691.6,   0.0);

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

     (584435.9, 5264001.0,   270.9,   691.6,   0.0);   (584460.9,
5264001.0,   270.2,   691.6,   0.0);
     (584485.9, 5264001.0,   269.3,   691.6,   0.0);   (584510.9,
5264001.0,   267.5,   691.6,   0.0);
     (584535.9, 5264001.0,   264.7,   691.6,   0.0);   (584560.9,

```
5264001.0,     263.5,     691.6,       0.0);
     ( 584585.9, 5264001.0,     263.0,     691.6,       0.0);         ( 584610.9,
5264001.0,     261.4,     691.6,       0.0);
     ( 584410.9, 5264026.0,     270.4,     691.6,       0.0);         ( 584435.9,
5264026.0,     269.7,     691.6,       0.0);
     ( 584460.9, 5264026.0,     269.0,     691.6,       0.0);         ( 584485.9,
5264026.0,     267.9,     691.6,       0.0);
     ( 584510.9, 5264026.0,     264.6,     691.6,       0.0);         ( 584535.9,
5264026.0,     262.1,     691.6,       0.0);
     ( 584560.9, 5264026.0,     262.0,     691.6,       0.0);         ( 584385.9,
5264051.0,     270.0,     691.6,       0.0);
     ( 584410.9, 5264051.0,     269.3,     691.6,       0.0);         ( 584435.9,
5264051.0,     268.6,     691.6,       0.0);
     ( 584460.9, 5264051.0,     267.7,     691.6,       0.0);         ( 584485.9,
5264051.0,     266.4,     691.6,       0.0);
     ( 584510.9, 5264051.0,     261.6,     691.6,       0.0);         ( 584535.9,
5264051.0,     259.2,     691.6,       0.0);
     ( 584385.9, 5264076.0,     268.7,     691.6,       0.0);         ( 584410.9,
5264076.0,     268.1,     691.6,       0.0);
     ( 584435.9, 5264076.0,     267.2,     691.6,       0.0);         ( 584460.9,
5264076.0,     266.3,     691.6,       0.0);
     ( 584485.9, 5264076.0,     264.9,     691.6,       0.0);         ( 584385.9,
5264101.0,     267.4,     691.6,       0.0);
     ( 584410.9, 5264101.0,     266.8,     691.6,       0.0);         ( 584435.9,
5264101.0,     265.9,     691.6,       0.0);
     ( 584460.9, 5264101.0,     264.1,     691.6,       0.0);         ( 584385.9,
5264126.0,     266.5,     691.6,       0.0);
     ( 584410.9, 5264126.0,     265.1,     691.6,       0.0);         ( 584485.9,
5264426.0,     262.2,     691.6,       0.0);
     ( 584510.9, 5264426.0,     261.7,     691.6,       0.0);         ( 584485.9,
5264451.0,     262.3,     691.6,       0.0);
     ( 584510.9, 5264451.0,     262.4,     691.6,       0.0);         ( 584535.9,
5264451.0,     262.1,     691.6,       0.0);
     ( 584460.9, 5264476.0,     262.2,     691.6,       0.0);         ( 584485.9,
5264476.0,     262.5,     691.6,       0.0);
     ( 584510.9, 5264476.0,     262.7,     691.6,       0.0);         ( 584535.9,
5264476.0,     262.5,     691.6,       0.0);
     ( 584560.9, 5264476.0,     262.4,     691.6,       0.0);         ( 584485.9,
5264501.0,     262.6,     691.6,       0.0);
     ( 584510.9, 5264501.0,     263.0,     691.6,       0.0);         ( 584535.9,
5264501.0,     262.9,     691.6,       0.0);
     ( 584560.9, 5264501.0,     263.2,     691.6,       0.0);         ( 584585.9,
5264501.0,     264.0,     691.6,       0.0);
     ( 584510.9, 5264526.0,     263.8,     691.6,       0.0);         ( 584535.9,
5264526.0,     263.5,     691.6,       0.0);
     ( 584560.9, 5264526.0,     263.7,     691.6,       0.0);         ( 584585.9,
5264526.0,     264.3,     691.6,       0.0);
     ( 584610.9, 5264526.0,     264.9,     691.6,       0.0);         ( 584635.9,
5264526.0,     265.3,     691.6,       0.0);
     ( 584535.9, 5264551.0,     264.5,     691.6,       0.0);         ( 584560.9,
```

5264551.0,   264.5,   691.6,   0.0);
     (584585.9, 5264551.0,   264.6,   691.6,   0.0);   (584610.9,
5264551.0,   264.7,   691.6,   0.0);
     (584635.9, 5264551.0,   264.5,   691.6,   0.0);   (584660.9,
5264551.0,   265.2,   691.6,   0.0);
     (584535.9, 5264576.0,   265.3,   691.6,   0.0);   (584560.9,
5264576.0,   265.3,   691.6,   0.0);
     (584585.9, 5264576.0,   265.0,   691.6,   0.0);   (584610.9,
5264576.0,   263.9,   691.6,   0.0);
     (584635.9, 5264576.0,   263.2,   691.6,   0.0);   (584660.9,
5264576.0,   264.1,   691.6,   0.0);
     (584685.9, 5264576.0,   267.2,   691.6,   0.0);   (584710.9,
5264576.0,   268.7,   691.6,   0.0);
     (584535.9, 5264601.0,   265.8,   690.8,   0.0);   (584560.9,
5264601.0,   266.0,   690.8,   0.0);
     (584585.9, 5264601.0,   265.6,   690.8,   0.0);   (584610.9,
5264601.0,   263.2,   691.6,   0.0);
     (584635.9, 5264601.0,   262.6,   691.6,   0.0);   (584660.9,
5264601.0,   264.2,   691.6,   0.0);
     (584685.9, 5264601.0,   267.1,   691.6,   0.0);   (584710.9,
5264601.0,   267.9,   691.6,   0.0);
     (584735.9, 5264601.0,   268.4,   691.6,   0.0);   (584760.9,
5264601.0,   269.2,   691.6,   0.0);
     (586785.9, 5264601.0,   174.3,   1450.2,   0.0);   (586810.9,
5264601.0,   174.4,   1450.2,   0.0);
     (586835.9, 5264601.0,   173.2,   1450.2,   0.0);   (586860.9,
5264601.0,   170.3,   1450.2,   0.0);
     (586885.9, 5264601.0,   168.6,   1450.2,   0.0);   (586910.9,
5264601.0,   167.4,   1468.1,   0.0);
     (584510.9, 5264626.0,   266.7,   687.4,   0.0);   (584535.9,
5264626.0,   266.1,   689.4,   0.0);
     (584560.9, 5264626.0,   266.3,   689.4,   0.0);   (584585.9,
5264626.0,   266.2,   689.4,   0.0);
     (584610.9, 5264626.0,   263.8,   691.6,   0.0);   (584635.9,
5264626.0,   262.9,   691.6,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

     (584660.9, 5264626.0,   264.9,   691.6,   0.0);   (584685.9,
5264626.0,   266.9,   691.6,   0.0);
     (584710.9, 5264626.0,   266.9,   691.6,   0.0);   (584735.9,

5264626.0,   267.6,   691.6,   0.0);
     (584760.9, 5264626.0,   268.5,   691.6,   0.0);   (584785.9,
5264626.0,   268.9,   691.6,   0.0);
     (584810.9, 5264626.0,   269.7,   691.6,   0.0);   (586760.9,
5264626.0,   173.6,   1450.2,   0.0);
     (586785.9, 5264626.0,   173.9,   1450.2,   0.0);   (586810.9,
5264626.0,   173.3,   1450.2,   0.0);
     (586835.9, 5264626.0,   171.9,   1450.2,   0.0);   (586860.9,
5264626.0,   170.0,   1450.2,   0.0);
     (586885.9, 5264626.0,   168.4,   1450.2,   0.0);   (586910.9,
5264626.0,   167.2,   1468.1,   0.0);
     (584485.9, 5264651.0,   267.9,   267.9,   0.0);   (584510.9,
5264651.0,   267.2,   267.2,   0.0);
     (584535.9, 5264651.0,   266.6,   652.8,   0.0);   (584560.9,
5264651.0,   266.4,   687.4,   0.0);
     (584585.9, 5264651.0,   266.6,   687.4,   0.0);   (584610.9,
5264651.0,   265.0,   689.4,   0.0);
     (584635.9, 5264651.0,   263.8,   690.8,   0.0);   (584660.9,
5264651.0,   265.4,   690.8,   0.0);
     (584685.9, 5264651.0,   266.5,   690.8,   0.0);   (584710.9,
5264651.0,   266.5,   690.8,   0.0);
     (584735.9, 5264651.0,   267.1,   691.6,   0.0);   (584760.9,
5264651.0,   267.7,   691.6,   0.0);
     (584785.9, 5264651.0,   268.3,   691.6,   0.0);   (584810.9,
5264651.0,   269.2,   691.6,   0.0);
     (584835.9, 5264651.0,   269.8,   691.6,   0.0);   (584860.9,
5264651.0,   270.0,   691.6,   0.0);
     (586735.9, 5264651.0,   174.2,   1450.2,   0.0);   (586760.9,
5264651.0,   174.2,   1450.2,   0.0);
     (586785.9, 5264651.0,   173.9,   1450.2,   0.0);   (586810.9,
5264651.0,   172.9,   1450.2,   0.0);
     (586835.9, 5264651.0,   171.4,   1450.2,   0.0);   (586860.9,
5264651.0,   169.5,   1450.2,   0.0);
     (586885.9, 5264651.0,   167.5,   1450.2,   0.0);   (586910.9,
5264651.0,   165.4,   1468.1,   0.0);
     (584485.9, 5264676.0,   268.7,   268.7,   0.0);   (584510.9,
5264676.0,   267.9,   267.9,   0.0);
     (584535.9, 5264676.0,   267.2,   267.2,   0.0);   (584560.9,
5264676.0,   266.7,   650.4,   0.0);
     (584585.9, 5264676.0,   266.8,   652.2,   0.0);   (584610.9,
5264676.0,   266.1,   687.4,   0.0);
     (584635.9, 5264676.0,   265.2,   689.4,   0.0);   (584660.9,
5264676.0,   265.9,   689.4,   0.0);
     (584685.9, 5264676.0,   266.2,   689.4,   0.0);   (584710.9,
5264676.0,   266.1,   690.8,   0.0);
     (584735.9, 5264676.0,   266.8,   690.8,   0.0);   (584760.9,
5264676.0,   267.2,   690.8,   0.0);
     (584785.9, 5264676.0,   267.8,   690.8,   0.0);   (584810.9,
5264676.0,   268.6,   690.8,   0.0);
     (584835.9, 5264676.0,   269.1,   690.8,   0.0);   (584860.9,

5264676.0,   269.4,   691.6,   0.0);
     (584885.9, 5264676.0,   269.0,   691.6,   0.0);   (584910.9,
5264676.0,   268.1,   691.6,   0.0);
     (586135.9, 5264676.0,   193.2,   1450.2,   0.0);   (586710.9,
5264676.0,   174.2,   1450.2,   0.0);
     (586735.9, 5264676.0,   174.6,   1450.2,   0.0);   (586760.9,
5264676.0,   174.6,   1450.2,   0.0);
     (586785.9, 5264676.0,   173.9,   1450.2,   0.0);   (586810.9,
5264676.0,   172.8,   1450.2,   0.0);
     (586835.9, 5264676.0,   171.0,   1450.2,   0.0);   (586860.9,
5264676.0,   167.8,   1450.2,   0.0);
     (584460.9, 5264701.0,   270.2,   270.2,   0.0);   (584485.9,
5264701.0,   269.6,   269.6,   0.0);
     (584510.9, 5264701.0,   268.8,   268.8,   0.0);   (584535.9,
5264701.0,   267.9,   267.9,   0.0);
     (584560.9, 5264701.0,   267.2,   267.2,   0.0);   (584585.9,
5264701.0,   266.9,   266.9,   0.0);
     (584610.9, 5264701.0,   266.6,   650.4,   0.0);   (584635.9,
5264701.0,   266.1,   652.8,   0.0);
     (584660.9, 5264701.0,   266.0,   687.4,   0.0);   (584685.9,
5264701.0,   266.0,   687.4,   0.0);
     (584710.9, 5264701.0,   265.7,   689.4,   0.0);   (584735.9,
5264701.0,   266.4,   689.4,   0.0);
     (584760.9, 5264701.0,   266.7,   689.4,   0.0);   (584785.9,
5264701.0,   267.3,   690.8,   0.0);
     (584810.9, 5264701.0,   267.8,   690.8,   0.0);   (584835.9,
5264701.0,   268.2,   690.8,   0.0);
     (584860.9, 5264701.0,   268.5,   690.8,   0.0);   (584885.9,
5264701.0,   268.1,   691.6,   0.0);
     (584910.9, 5264701.0,   267.4,   691.6,   0.0);   (584935.9,
5264701.0,   267.2,   691.6,   0.0);
     (584960.9, 5264701.0,   266.3,   691.6,   0.0);   (584985.9,
5264701.0,   262.1,   1357.2,   0.0);
     (586135.9, 5264701.0,   193.6,   1450.2,   0.0);   (586160.9,
5264701.0,   192.7,   1450.2,   0.0);
     (586185.9, 5264701.0,   191.9,   1450.2,   0.0);   (586210.9,
5264701.0,   190.9,   1450.2,   0.0);

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

     (586685.9, 5264701.0,   172.7,   1450.2,   0.0);   (586710.9,

5264701.0,   173.6,   1450.2,   0.0);
     (586735.9, 5264701.0,   174.4,   1450.2,   0.0);   (586760.9,
5264701.0,   174.5,   1450.2,   0.0);
     (586785.9, 5264701.0,   173.7,   1450.2,   0.0);   (586810.9,
5264701.0,   172.2,   1450.2,   0.0);
     (586835.9, 5264701.0,   170.0,   1450.2,   0.0);   (584435.9,
5264726.0,   271.3,   271.3,   0.0);
     (584460.9, 5264726.0,   270.9,   270.9,   0.0);   (584485.9,
5264726.0,   270.3,   270.3,   0.0);
     (584510.9, 5264726.0,   269.6,   269.6,   0.0);   (584535.9,
5264726.0,   268.7,   268.7,   0.0);
     (584560.9, 5264726.0,   267.9,   267.9,   0.0);   (584585.9,
5264726.0,   267.1,   267.1,   0.0);
     (584610.9, 5264726.0,   266.7,   266.7,   0.0);   (584635.9,
5264726.0,   266.2,   266.2,   0.0);
     (584660.9, 5264726.0,   265.9,   650.7,   0.0);   (584685.9,
5264726.0,   265.6,   652.8,   0.0);
     (584710.9, 5264726.0,   265.3,   687.4,   0.0);   (584735.9,
5264726.0,   265.4,   689.4,   0.0);
     (584760.9, 5264726.0,   265.6,   689.4,   0.0);   (584785.9,
5264726.0,   266.2,   689.4,   0.0);
     (584810.9, 5264726.0,   266.8,   689.4,   0.0);   (584835.9,
5264726.0,   267.3,   689.4,   0.0);
     (584860.9, 5264726.0,   267.4,   690.8,   0.0);   (584885.9,
5264726.0,   267.3,   690.8,   0.0);
     (584910.9, 5264726.0,   267.2,   690.8,   0.0);   (584935.9,
5264726.0,   267.0,   691.6,   0.0);
     (584960.9, 5264726.0,   264.6,   691.6,   0.0);   (584985.9,
5264726.0,   260.5,   1357.2,   0.0);
     (585010.9, 5264726.0,   261.4,   1362.6,   0.0);   (585035.9,
5264726.0,   262.9,   1362.6,   0.0);
     (585060.9, 5264726.0,   262.6,   1376.2,   0.0);   (585085.9,
5264726.0,   261.9,   1376.2,   0.0);
     (586110.9, 5264726.0,   195.2,   1450.2,   0.0);   (586135.9,
5264726.0,   194.2,   1450.2,   0.0);
     (586160.9, 5264726.0,   193.1,   1450.2,   0.0);   (586185.9,
5264726.0,   192.1,   1450.2,   0.0);
     (586210.9, 5264726.0,   191.1,   1450.2,   0.0);   (586235.9,
5264726.0,   190.0,   1450.2,   0.0);
     (586260.9, 5264726.0,   188.6,   1450.2,   0.0);   (586685.9,
5264726.0,   171.5,   1450.2,   0.0);
     (586710.9, 5264726.0,   172.6,   1450.2,   0.0);   (586735.9,
5264726.0,   173.5,   1450.2,   0.0);
     (586760.9, 5264726.0,   173.5,   1450.2,   0.0);   (586785.9,
5264726.0,   172.6,   1450.2,   0.0);
     (586810.9, 5264726.0,   171.0,   1450.2,   0.0);   (584410.9,
5264751.0,   272.5,   272.5,   0.0);
     (584435.9, 5264751.0,   271.6,   271.6,   0.0);   (584460.9,
5264751.0,   271.0,   271.0,   0.0);
     (584485.9, 5264751.0,   270.6,   270.6,   0.0);   (584510.9,

```
5264751.0,     270.0,     270.0,       0.0);
     ( 584535.9, 5264751.0,     269.2,     269.2,       0.0);         ( 584560.9,
5264751.0,     268.4,     268.4,       0.0);
     ( 584585.9, 5264751.0,     267.4,     267.4,       0.0);         ( 584610.9,
5264751.0,     266.9,     266.9,       0.0);
     ( 584635.9, 5264751.0,     266.3,     266.3,       0.0);         ( 584660.9,
5264751.0,     265.9,     265.9,       0.0);
     ( 584685.9, 5264751.0,     265.6,     265.6,       0.0);         ( 584710.9,
5264751.0,     265.1,     650.7,       0.0);
     ( 584735.9, 5264751.0,     264.8,     652.8,       0.0);         ( 584760.9,
5264751.0,     264.8,     687.4,       0.0);
     ( 584785.9, 5264751.0,     265.2,     687.4,       0.0);         ( 584810.9,
5264751.0,     265.7,     689.4,       0.0);
     ( 584835.9, 5264751.0,     266.0,     689.4,       0.0);         ( 584860.9,
5264751.0,     266.2,     689.4,       0.0);
     ( 584885.9, 5264751.0,     266.4,     690.8,       0.0);         ( 584910.9,
5264751.0,     265.5,     690.8,       0.0);
     ( 584935.9, 5264751.0,     263.9,     691.6,       0.0);         ( 584960.9,
5264751.0,     261.9,     691.6,       0.0);
     ( 584985.9, 5264751.0,     260.2,    1357.2,       0.0);         ( 585010.9,
5264751.0,     261.5,    1362.6,       0.0);
     ( 585035.9, 5264751.0,     262.6,    1362.6,       0.0);         ( 585060.9,
5264751.0,     262.3,    1376.2,       0.0);
     ( 585085.9, 5264751.0,     261.7,    1376.2,       0.0);         ( 585110.9,
5264751.0,     260.3,    1376.2,       0.0);
     ( 585135.9, 5264751.0,     259.7,    1376.2,       0.0);         ( 585160.9,
5264751.0,     258.4,    1376.2,       0.0);
     ( 585185.9, 5264751.0,     256.8,    1376.2,       0.0);         ( 585210.9,
5264751.0,     254.7,    1376.2,       0.0);
     ( 585235.9, 5264751.0,     253.2,    1376.2,       0.0);         ( 586110.9,
5264751.0,     196.1,    1450.2,       0.0);
     ( 586135.9, 5264751.0,     194.8,    1450.2,       0.0);         ( 586160.9,
5264751.0,     193.6,    1450.2,       0.0);
     ( 586185.9, 5264751.0,     192.3,    1450.2,       0.0);         ( 586210.9,
5264751.0,     191.0,    1450.2,       0.0);
     ( 586235.9, 5264751.0,     189.8,    1450.2,       0.0);         ( 586260.9,
5264751.0,     188.2,    1450.2,       0.0);
     ( 586285.9, 5264751.0,     186.0,    1450.2,       0.0);         ( 586310.9,
5264751.0,     183.6,    1450.2,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        11:09:37

                                  PAGE  11
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

```
     ( 586335.9, 5264751.0,     181.1,    1450.2,       0.0);         ( 586660.9,
5264751.0,     169.8,    1450.2,       0.0);
     ( 586685.9, 5264751.0,     170.2,    1450.2,       0.0);         ( 586710.9,
5264751.0,     171.5,    1450.2,       0.0);
     ( 586735.9, 5264751.0,     172.5,    1450.2,       0.0);         ( 586760.9,
5264751.0,     172.1,    1450.2,       0.0);
     ( 586785.9, 5264751.0,     171.1,    1450.2,       0.0);         ( 586810.9,
5264751.0,     169.5,    1450.2,       0.0);
     ( 584410.9, 5264776.0,     273.2,     273.2,       0.0);         ( 584435.9,
5264776.0,     272.0,     272.0,       0.0);
     ( 584460.9, 5264776.0,     271.1,     271.1,       0.0);         ( 584485.9,
5264776.0,     270.9,     270.9,       0.0);
     ( 584510.9, 5264776.0,     270.4,     270.4,       0.0);         ( 584535.9,
5264776.0,     269.8,     269.8,       0.0);
     ( 584560.9, 5264776.0,     268.9,     268.9,       0.0);         ( 584585.9,
5264776.0,     267.6,     267.6,       0.0);
     ( 584610.9, 5264776.0,     266.8,     266.8,       0.0);         ( 584635.9,
5264776.0,     266.3,     266.3,       0.0);
     ( 584660.9, 5264776.0,     265.7,     265.7,       0.0);         ( 584685.9,
5264776.0,     265.3,     265.3,       0.0);
     ( 584710.9, 5264776.0,     264.8,     264.8,       0.0);         ( 584735.9,
5264776.0,     264.4,     650.4,       0.0);
     ( 584760.9, 5264776.0,     264.2,     652.8,       0.0);         ( 584785.9,
5264776.0,     264.4,     652.8,       0.0);
     ( 584810.9, 5264776.0,     264.9,     687.4,       0.0);         ( 584835.9,
5264776.0,     265.1,     687.4,       0.0);
     ( 584860.9, 5264776.0,     265.1,     689.4,       0.0);         ( 584885.9,
5264776.0,     265.0,     689.4,       0.0);
     ( 584910.9, 5264776.0,     263.5,     690.8,       0.0);         ( 584935.9,
5264776.0,     261.5,     691.6,       0.0);
     ( 584960.9, 5264776.0,     260.7,     691.6,       0.0);         ( 584985.9,
5264776.0,     260.5,    1357.2,       0.0);
     ( 585010.9, 5264776.0,     261.7,    1361.0,       0.0);         ( 585035.9,
5264776.0,     262.3,    1362.6,       0.0);
     ( 585060.9, 5264776.0,     262.0,    1376.2,       0.0);         ( 585085.9,
5264776.0,     261.6,    1376.2,       0.0);
     ( 585110.9, 5264776.0,     259.8,    1376.2,       0.0);         ( 585135.9,
5264776.0,     259.2,    1376.2,       0.0);
     ( 585160.9, 5264776.0,     258.6,    1376.2,       0.0);         ( 585185.9,
5264776.0,     257.4,    1376.2,       0.0);
     ( 585210.9, 5264776.0,     255.4,    1376.2,       0.0);         ( 585235.9,
5264776.0,     253.8,    1376.2,       0.0);
     ( 585260.9, 5264776.0,     252.4,    1376.2,       0.0);         ( 585685.9,
5264776.0,     223.7,    1402.5,       0.0);
     ( 586110.9, 5264776.0,     196.9,    1450.2,       0.0);         ( 586135.9,
5264776.0,     195.2,    1450.2,       0.0);
     ( 586160.9, 5264776.0,     193.8,    1450.2,       0.0);         ( 586185.9,
5264776.0,     192.2,    1450.2,       0.0);
     ( 586210.9, 5264776.0,     190.9,    1450.2,       0.0);         ( 586235.9,
```

5264776.0,   189.3,   1450.2,   0.0);
     (586260.9, 5264776.0,   187.8,   1450.2,   0.0);   (586285.9,
5264776.0,   185.8,   1450.2,   0.0);
     (586310.9, 5264776.0,   183.3,   1450.2,   0.0);   (586335.9,
5264776.0,   180.7,   1450.2,   0.0);
     (586360.9, 5264776.0,   178.1,   1450.2,   0.0);   (586385.9,
5264776.0,   176.1,   1450.2,   0.0);
     (586635.9, 5264776.0,   163.7,   1450.2,   0.0);   (586660.9,
5264776.0,   166.8,   1450.2,   0.0);
     (586685.9, 5264776.0,   168.9,   1450.2,   0.0);   (586710.9,
5264776.0,   170.6,   1450.2,   0.0);
     (586735.9, 5264776.0,   171.5,   1450.2,   0.0);   (586760.9,
5264776.0,   171.4,   1450.2,   0.0);
     (586785.9, 5264776.0,   170.4,   1450.2,   0.0);   (586810.9,
5264776.0,   168.6,   1450.2,   0.0);
     (584410.9, 5264801.0,   273.9,   273.9,   0.0);   (584435.9,
5264801.0,   272.7,   272.7,   0.0);
     (584460.9, 5264801.0,   271.8,   271.8,   0.0);   (584485.9,
5264801.0,   271.6,   271.6,   0.0);
     (584510.9, 5264801.0,   271.2,   271.2,   0.0);   (584535.9,
5264801.0,   270.4,   270.4,   0.0);
     (584560.9, 5264801.0,   269.3,   269.3,   0.0);   (584585.9,
5264801.0,   268.1,   268.1,   0.0);
     (584610.9, 5264801.0,   267.0,   267.0,   0.0);   (584635.9,
5264801.0,   266.4,   266.4,   0.0);
     (584660.9, 5264801.0,   265.7,   265.7,   0.0);   (584685.9,
5264801.0,   265.2,   265.2,   0.0);
     (584710.9, 5264801.0,   264.5,   264.5,   0.0);   (584735.9,
5264801.0,   264.2,   264.2,   0.0);
     (584760.9, 5264801.0,   263.9,   263.9,   0.0);   (584785.9,
5264801.0,   263.9,   650.4,   0.0);
     (584810.9, 5264801.0,   264.2,   650.7,   0.0);   (584835.9,
5264801.0,   264.4,   652.8,   0.0);
     (584860.9, 5264801.0,   264.4,   687.4,   0.0);   (584885.9,
5264801.0,   264.1,   689.4,   0.0);
     (584910.9, 5264801.0,   262.8,   690.8,   0.0);   (584935.9,
5264801.0,   261.2,   690.8,   0.0);
     (584960.9, 5264801.0,   260.4,   691.6,   0.0);   (584985.9,
5264801.0,   260.4,   1357.2,   0.0);
     (585010.9, 5264801.0,   261.0,   1361.0,   0.0);   (585035.9,
5264801.0,   261.4,   1362.6,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(585060.9, 5264801.0, 261.6, 1376.2, 0.0); (585085.9, 5264801.0, 261.2, 1376.2, 0.0);
(585110.9, 5264801.0, 259.6, 1376.2, 0.0); (585135.9, 5264801.0, 259.0, 1376.2, 0.0);
(585160.9, 5264801.0, 258.7, 1376.2, 0.0); (585185.9, 5264801.0, 257.9, 1376.2, 0.0);
(585210.9, 5264801.0, 256.1, 1376.2, 0.0); (585235.9, 5264801.0, 254.3, 1376.2, 0.0);
(585260.9, 5264801.0, 252.5, 1376.2, 0.0); (585710.9, 5264801.0, 222.7, 1402.5, 0.0);
(585735.9, 5264801.0, 221.8, 1402.5, 0.0); (585760.9, 5264801.0, 221.1, 1402.5, 0.0);
(586135.9, 5264801.0, 195.6, 1450.2, 0.0); (586160.9, 5264801.0, 193.9, 1450.2, 0.0);
(586185.9, 5264801.0, 192.1, 1450.2, 0.0); (586210.9, 5264801.0, 190.6, 1450.2, 0.0);
(586235.9, 5264801.0, 189.0, 1450.2, 0.0); (586260.9, 5264801.0, 187.5, 1450.2, 0.0);
(586285.9, 5264801.0, 185.4, 1450.2, 0.0); (586310.9, 5264801.0, 183.1, 1450.2, 0.0);
(586335.9, 5264801.0, 180.6, 1450.2, 0.0); (586360.9, 5264801.0, 178.4, 1450.2, 0.0);
(586385.9, 5264801.0, 176.6, 1450.2, 0.0); (586410.9, 5264801.0, 174.7, 1450.2, 0.0);
(586435.9, 5264801.0, 172.1, 1450.2, 0.0); (586610.9, 5264801.0, 164.6, 1450.2, 0.0);
(586635.9, 5264801.0, 162.8, 1450.2, 0.0); (586660.9, 5264801.0, 163.4, 1450.2, 0.0);
(586685.9, 5264801.0, 166.7, 1450.2, 0.0); (586710.9, 5264801.0, 169.5, 1450.2, 0.0);
(586735.9, 5264801.0, 170.7, 1450.2, 0.0); (586760.9, 5264801.0, 170.6, 1450.2, 0.0);
(586785.9, 5264801.0, 169.6, 1450.2, 0.0); (586810.9, 5264801.0, 167.7, 1450.2, 0.0);
(584410.9, 5264826.0, 274.3, 274.3, 0.0); (584435.9, 5264826.0, 273.4, 273.4, 0.0);
(584460.9, 5264826.0, 272.7, 272.7, 0.0); (584485.9, 5264826.0, 272.5, 272.5, 0.0);
(584510.9, 5264826.0, 271.9, 271.9, 0.0); (584535.9, 5264826.0, 270.8, 270.8, 0.0);
(584560.9, 5264826.0, 269.6, 269.6, 0.0); (584585.9, 5264826.0, 268.6, 268.6, 0.0);
(584610.9, 5264826.0, 267.7, 267.7, 0.0); (584635.9, 5264826.0, 267.4, 267.4, 0.0);
(584660.9, 5264826.0, 267.0, 269.5, 0.0); (584685.9, 5264826.0, 266.4, 269.5, 0.0);
(584710.9, 5264826.0, 265.2, 269.1, 0.0); (584735.9,

5264826.0,   264.4,   264.4,   0.0);
     (584760.9, 5264826.0,   263.9,   263.9,   0.0);   (584785.9,
5264826.0,   263.7,   263.7,   0.0);
     (584810.9, 5264826.0,   263.7,   263.7,   0.0);   (584835.9,
5264826.0,   264.1,   264.1,   0.0);
     (584860.9, 5264826.0,   264.2,   650.4,   0.0);   (584885.9,
5264826.0,   263.7,   652.8,   0.0);
     (584910.9, 5264826.0,   263.2,   687.4,   0.0);   (584935.9,
5264826.0,   262.4,   689.4,   0.0);
     (584960.9, 5264826.0,   260.8,   690.8,   0.0);   (584985.9,
5264826.0,   259.8,   1357.2,   0.0);
     (585010.9, 5264826.0,   259.6,   1362.6,   0.0);   (585035.9,
5264826.0,   259.9,   1376.2,   0.0);
     (585060.9, 5264826.0,   260.8,   1376.2,   0.0);   (585085.9,
5264826.0,   260.4,   1376.2,   0.0);
     (585110.9, 5264826.0,   259.7,   1376.2,   0.0);   (585135.9,
5264826.0,   259.3,   1376.2,   0.0);
     (585160.9, 5264826.0,   258.7,   1376.2,   0.0);   (585185.9,
5264826.0,   257.8,   1376.2,   0.0);
     (585210.9, 5264826.0,   256.0,   1376.2,   0.0);   (585235.9,
5264826.0,   254.4,   1376.2,   0.0);
     (585260.9, 5264826.0,   252.0,   1376.2,   0.0);   (585735.9,
5264826.0,   221.6,   1402.5,   0.0);
     (585760.9, 5264826.0,   220.6,   1402.5,   0.0);   (585785.9,
5264826.0,   218.5,   1402.5,   0.0);
     (585810.9, 5264826.0,   216.7,   1402.5,   0.0);   (586210.9,
5264826.0,   190.7,   1450.2,   0.0);
     (586235.9, 5264826.0,   189.0,   1450.2,   0.0);   (586260.9,
5264826.0,   187.2,   1450.2,   0.0);
     (586285.9, 5264826.0,   185.1,   1450.2,   0.0);   (586310.9,
5264826.0,   182.8,   1450.2,   0.0);
     (586335.9, 5264826.0,   180.7,   1450.2,   0.0);   (586360.9,
5264826.0,   179.3,   1450.2,   0.0);
     (586385.9, 5264826.0,   177.7,   1450.2,   0.0);   (586410.9,
5264826.0,   175.0,   1450.2,   0.0);
     (586435.9, 5264826.0,   173.0,   1450.2,   0.0);   (586460.9,
5264826.0,   171.7,   1450.2,   0.0);
     (586485.9, 5264826.0,   170.5,   1450.2,   0.0);   (586585.9,
5264826.0,   168.3,   1450.2,   0.0);
     (586610.9, 5264826.0,   167.3,   1450.2,   0.0);   (586635.9,
5264826.0,   164.6,   1450.2,   0.0);
     (586660.9, 5264826.0,   161.6,   1450.2,   0.0);   (586685.9,
5264826.0,   162.9,   1450.2,   0.0);

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

(586710.9, 5264826.0, 166.0, 1450.2, 0.0); (586735.9, 5264826.0, 168.5, 1450.2, 0.0);
(586760.9, 5264826.0, 169.2, 1450.2, 0.0); (586785.9, 5264826.0, 168.0, 1450.2, 0.0);
(584410.9, 5264851.0, 274.4, 274.4, 0.0); (584435.9, 5264851.0, 274.0, 274.0, 0.0);
(584460.9, 5264851.0, 273.6, 273.6, 0.0); (584485.9, 5264851.0, 273.2, 273.2, 0.0);
(584510.9, 5264851.0, 272.3, 272.3, 0.0); (584535.9, 5264851.0, 271.1, 271.1, 0.0);
(584560.9, 5264851.0, 269.9, 269.9, 0.0); (584585.9, 5264851.0, 269.1, 269.1, 0.0);
(584610.9, 5264851.0, 268.9, 268.9, 0.0); (584635.9, 5264851.0, 269.4, 269.4, 0.0);
(584660.9, 5264851.0, 269.7, 269.7, 0.0); (584685.9, 5264851.0, 269.3, 269.3, 0.0);
(584710.9, 5264851.0, 267.1, 267.1, 0.0); (584735.9, 5264851.0, 265.0, 270.8, 0.0);
(584760.9, 5264851.0, 264.2, 264.2, 0.0); (584785.9, 5264851.0, 263.9, 263.9, 0.0);
(584810.9, 5264851.0, 263.7, 263.7, 0.0); (584835.9, 5264851.0, 263.8, 263.8, 0.0);
(584860.9, 5264851.0, 263.8, 263.8, 0.0); (584885.9, 5264851.0, 263.5, 263.5, 0.0);
(584910.9, 5264851.0, 263.2, 650.7, 0.0); (584935.9, 5264851.0, 262.7, 687.4, 0.0);
(584960.9, 5264851.0, 261.4, 689.4, 0.0); (584985.9, 5264851.0, 260.5, 690.8, 0.0);
(585010.9, 5264851.0, 259.7, 1362.6, 0.0); (585035.9, 5264851.0, 258.8, 1376.2, 0.0);
(585060.9, 5264851.0, 258.9, 1376.2, 0.0); (585085.9, 5264851.0, 259.1, 1376.2, 0.0);
(585110.9, 5264851.0, 259.2, 1376.2, 0.0); (585135.9, 5264851.0, 259.1, 1376.2, 0.0);
(585160.9, 5264851.0, 258.5, 1376.2, 0.0); (585185.9, 5264851.0, 257.5, 1376.2, 0.0);
(585210.9, 5264851.0, 255.9, 1376.2, 0.0); (585235.9, 5264851.0, 253.5, 1376.2, 0.0);
(585260.9, 5264851.0, 250.4, 1376.2, 0.0); (585285.9, 5264851.0, 248.9, 1402.5, 0.0);
(585310.9, 5264851.0, 248.8, 1402.5, 0.0); (585735.9, 5264851.0, 221.9, 1402.5, 0.0);
(585760.9, 5264851.0, 220.7, 1402.5, 0.0); (585785.9, 5264851.0, 218.8, 1402.5, 0.0);
(585810.9, 5264851.0, 217.3, 1402.5, 0.0); (585835.9,

```
5264851.0,     216.1,    1402.5,       0.0);
     ( 585860.9, 5264851.0,     214.8,    1402.5,       0.0);         ( 586260.9,
5264851.0,     187.1,    1450.2,       0.0);
     ( 586285.9, 5264851.0,     185.0,    1450.2,       0.0);         ( 586310.9,
5264851.0,     182.8,    1450.2,       0.0);
     ( 586335.9, 5264851.0,     181.0,    1450.2,       0.0);         ( 586360.9,
5264851.0,     180.2,    1450.2,       0.0);
     ( 586385.9, 5264851.0,     178.5,    1450.2,       0.0);         ( 586410.9,
5264851.0,     175.6,    1450.2,       0.0);
     ( 586435.9, 5264851.0,     174.1,    1450.2,       0.0);         ( 586460.9,
5264851.0,     173.0,    1450.2,       0.0);
     ( 586485.9, 5264851.0,     172.0,    1450.2,       0.0);         ( 586510.9,
5264851.0,     172.2,    1450.2,       0.0);
     ( 586535.9, 5264851.0,     172.5,    1450.2,       0.0);         ( 586560.9,
5264851.0,     172.0,    1450.2,       0.0);
     ( 586585.9, 5264851.0,     171.0,    1450.2,       0.0);         ( 586610.9,
5264851.0,     169.6,    1450.2,       0.0);
     ( 586635.9, 5264851.0,     168.1,    1450.2,       0.0);         ( 586660.9,
5264851.0,     162.8,    1450.2,       0.0);
     ( 586685.9, 5264851.0,     159.3,    1450.2,       0.0);         ( 586710.9,
5264851.0,     159.9,    1450.2,       0.0);
     ( 586735.9, 5264851.0,     163.9,    1450.2,       0.0);         ( 586760.9,
5264851.0,     166.2,    1450.2,       0.0);
     ( 584435.9, 5264876.0,     274.5,     274.5,       0.0);         ( 584460.9,
5264876.0,     274.1,     274.1,       0.0);
     ( 584485.9, 5264876.0,     273.5,     273.5,       0.0);         ( 584510.9,
5264876.0,     272.4,     272.4,       0.0);
     ( 584535.9, 5264876.0,     271.2,     271.2,       0.0);         ( 584560.9,
5264876.0,     270.4,     270.4,       0.0);
     ( 584585.9, 5264876.0,     270.1,     270.1,       0.0);         ( 584610.9,
5264876.0,     270.2,     270.2,       0.0);
     ( 584635.9, 5264876.0,     270.6,     270.6,       0.0);         ( 584660.9,
5264876.0,     270.7,     270.7,       0.0);
     ( 584685.9, 5264876.0,     270.7,     270.7,       0.0);         ( 584710.9,
5264876.0,     269.1,     269.7,       0.0);
     ( 584735.9, 5264876.0,     266.5,     269.7,       0.0);         ( 584760.9,
5264876.0,     265.3,     265.3,       0.0);
     ( 584785.9, 5264876.0,     265.0,     265.0,       0.0);         ( 584810.9,
5264876.0,     264.3,     264.3,       0.0);
     ( 584835.9, 5264876.0,     263.7,     263.7,       0.0);         ( 584860.9,
5264876.0,     263.4,     263.4,       0.0);
     ( 584885.9, 5264876.0,     263.4,     263.4,       0.0);         ( 584910.9,
5264876.0,     263.2,     263.2,       0.0);
     ( 584935.9, 5264876.0,     262.5,     262.5,       0.0);         ( 584960.9,
5264876.0,     261.6,     652.8,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                       ***       11:09:37
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(584985.9, 5264876.0, 261.1, 687.4, 0.0); (585010.9, 5264876.0, 260.5, 1357.2, 0.0);
(585035.9, 5264876.0, 259.9, 1362.6, 0.0); (585060.9, 5264876.0, 259.1, 1376.2, 0.0);
(585085.9, 5264876.0, 258.0, 1376.2, 0.0); (585110.9, 5264876.0, 257.2, 1376.2, 0.0);
(585135.9, 5264876.0, 257.5, 1376.2, 0.0); (585160.9, 5264876.0, 257.5, 1376.2, 0.0);
(585185.9, 5264876.0, 257.0, 1376.2, 0.0); (585210.9, 5264876.0, 254.9, 1376.2, 0.0);
(585235.9, 5264876.0, 252.3, 1376.2, 0.0); (585260.9, 5264876.0, 250.9, 1376.2, 0.0);
(585285.9, 5264876.0, 250.3, 1376.2, 0.0); (585310.9, 5264876.0, 250.1, 1402.5, 0.0);
(585335.9, 5264876.0, 250.1, 1402.5, 0.0); (585360.9, 5264876.0, 249.9, 1402.5, 0.0);
(585760.9, 5264876.0, 221.0, 1402.5, 0.0); (585785.9, 5264876.0, 219.7, 1402.5, 0.0);
(585810.9, 5264876.0, 218.8, 1402.5, 0.0); (585835.9, 5264876.0, 217.7, 1402.5, 0.0);
(585860.9, 5264876.0, 215.5, 1402.5, 0.0); (585885.9, 5264876.0, 213.2, 1402.5, 0.0);
(585910.9, 5264876.0, 212.5, 1402.5, 0.0); (585935.9, 5264876.0, 212.0, 1402.5, 0.0);
(586335.9, 5264876.0, 181.7, 1450.2, 0.0); (586360.9, 5264876.0, 180.7, 1450.2, 0.0);
(586385.9, 5264876.0, 178.7, 1450.2, 0.0); (586410.9, 5264876.0, 176.5, 1450.2, 0.0);
(586435.9, 5264876.0, 175.3, 1450.2, 0.0); (586460.9, 5264876.0, 174.5, 1450.2, 0.0);
(586485.9, 5264876.0, 174.2, 1450.2, 0.0); (586510.9, 5264876.0, 174.0, 1450.2, 0.0);
(586535.9, 5264876.0, 174.1, 1450.2, 0.0); (586560.9, 5264876.0, 173.7, 1450.2, 0.0);
(586585.9, 5264876.0, 172.7, 1450.2, 0.0); (586610.9, 5264876.0, 171.6, 1450.2, 0.0);
(586635.9, 5264876.0, 171.1, 1450.2, 0.0); (586660.9, 5264876.0, 168.1, 1450.2, 0.0);
(586685.9, 5264876.0, 162.2, 1450.2, 0.0); (586710.9, 5264876.0, 156.8, 1450.2, 0.0);
(586735.9, 5264876.0, 156.4, 1450.2, 0.0); (586760.9, 5264876.0, 158.3, 1450.2, 0.0);
(584460.9, 5264901.0, 274.3, 274.3, 0.0); (584485.9,

```
5264901.0,     273.5,     273.5,       0.0);
     ( 584510.9, 5264901.0,     272.7,     272.7,       0.0);         ( 584535.9,
5264901.0,     271.7,     271.7,       0.0);
     ( 584560.9, 5264901.0,     270.8,     270.8,       0.0);         ( 584585.9,
5264901.0,     270.5,     270.5,       0.0);
     ( 584610.9, 5264901.0,     270.7,     270.7,       0.0);         ( 584635.9,
5264901.0,     270.8,     270.8,       0.0);
     ( 584660.9, 5264901.0,     270.8,     270.8,       0.0);         ( 584685.9,
5264901.0,     270.8,     270.8,       0.0);
     ( 584710.9, 5264901.0,     269.6,     269.6,       0.0);         ( 584735.9,
5264901.0,     267.7,     267.7,       0.0);
     ( 584760.9, 5264901.0,     267.0,     267.0,       0.0);         ( 584785.9,
5264901.0,     266.5,     266.5,       0.0);
     ( 584810.9, 5264901.0,     265.9,     265.9,       0.0);         ( 584835.9,
5264901.0,     265.1,     265.1,       0.0);
     ( 584860.9, 5264901.0,     264.0,     264.0,       0.0);         ( 584885.9,
5264901.0,     263.4,     263.4,       0.0);
     ( 584910.9, 5264901.0,     263.1,     263.1,       0.0);         ( 584935.9,
5264901.0,     262.5,     262.5,       0.0);
     ( 584960.9, 5264901.0,     262.3,     262.3,       0.0);         ( 584985.9,
5264901.0,     262.0,     262.0,       0.0);
     ( 585010.9, 5264901.0,     261.1,    1357.2,       0.0);         ( 585035.9,
5264901.0,     260.5,    1362.6,       0.0);
     ( 585060.9, 5264901.0,     259.5,    1376.2,       0.0);         ( 585085.9,
5264901.0,     258.3,    1376.2,       0.0);
     ( 585110.9, 5264901.0,     256.8,    1376.2,       0.0);         ( 585135.9,
5264901.0,     256.0,    1376.2,       0.0);
     ( 585160.9, 5264901.0,     256.2,    1376.2,       0.0);         ( 585185.9,
5264901.0,     256.6,    1376.2,       0.0);
     ( 585210.9, 5264901.0,     255.2,    1376.2,       0.0);         ( 585235.9,
5264901.0,     253.3,    1376.2,       0.0);
     ( 585260.9, 5264901.0,     252.5,    1376.2,       0.0);         ( 585285.9,
5264901.0,     252.0,    1376.2,       0.0);
     ( 585310.9, 5264901.0,     251.5,    1402.5,       0.0);         ( 585335.9,
5264901.0,     251.4,    1402.5,       0.0);
     ( 585360.9, 5264901.0,     251.4,    1402.5,       0.0);         ( 585785.9,
5264901.0,     221.2,    1402.5,       0.0);
     ( 585810.9, 5264901.0,     220.8,    1402.5,       0.0);         ( 585835.9,
5264901.0,     220.2,    1402.5,       0.0);
     ( 585860.9, 5264901.0,     216.8,    1402.5,       0.0);         ( 585885.9,
5264901.0,     213.5,    1402.5,       0.0);
     ( 585910.9, 5264901.0,     212.8,    1402.5,       0.0);         ( 585935.9,
5264901.0,     212.3,    1402.5,       0.0);
     ( 585960.9, 5264901.0,     210.8,    1402.5,       0.0);         ( 585985.9,
5264901.0,     208.8,    1402.5,       0.0);
     ( 586385.9, 5264901.0,     179.3,    1450.2,       0.0);         ( 586410.9,
5264901.0,     178.0,    1450.2,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(586435.9, 5264901.0, 177.1, 1450.2, 0.0); (586460.9, 5264901.0, 176.8, 1450.2, 0.0);
(586485.9, 5264901.0, 176.5, 1450.2, 0.0); (586510.9, 5264901.0, 176.4, 1450.2, 0.0);
(586535.9, 5264901.0, 175.8, 1450.2, 0.0); (586560.9, 5264901.0, 175.1, 1450.2, 0.0);
(586585.9, 5264901.0, 174.2, 1450.2, 0.0); (586610.9, 5264901.0, 173.4, 1450.2, 0.0);
(586635.9, 5264901.0, 172.6, 1450.2, 0.0); (586660.9, 5264901.0, 171.0, 1450.2, 0.0);
(586685.9, 5264901.0, 166.8, 1450.2, 0.0); (586710.9, 5264901.0, 159.9, 1450.2, 0.0);
(586735.9, 5264901.0, 156.4, 1450.2, 0.0); (586760.9, 5264901.0, 155.3, 1450.2, 0.0);
(584485.9, 5264926.0, 273.9, 273.9, 0.0); (584510.9, 5264926.0, 273.3, 273.3, 0.0);
(584535.9, 5264926.0, 272.4, 272.4, 0.0); (584560.9, 5264926.0, 271.2, 271.2, 0.0);
(584585.9, 5264926.0, 270.9, 270.9, 0.0); (584610.9, 5264926.0, 270.8, 270.8, 0.0);
(584635.9, 5264926.0, 270.8, 270.8, 0.0); (584660.9, 5264926.0, 270.7, 270.7, 0.0);
(584685.9, 5264926.0, 270.6, 270.6, 0.0); (584710.9, 5264926.0, 269.6, 269.6, 0.0);
(584735.9, 5264926.0, 268.2, 268.2, 0.0); (584760.9, 5264926.0, 267.8, 267.8, 0.0);
(584785.9, 5264926.0, 267.2, 267.2, 0.0); (584810.9, 5264926.0, 266.8, 266.8, 0.0);
(584835.9, 5264926.0, 266.2, 266.2, 0.0); (584860.9, 5264926.0, 264.9, 264.9, 0.0);
(584885.9, 5264926.0, 263.7, 263.7, 0.0); (584910.9, 5264926.0, 263.2, 263.2, 0.0);
(584935.9, 5264926.0, 263.0, 263.0, 0.0); (584960.9, 5264926.0, 263.1, 263.1, 0.0);
(584985.9, 5264926.0, 262.8, 262.8, 0.0); (585010.9, 5264926.0, 261.9, 261.9, 0.0);
(585035.9, 5264926.0, 261.1, 1362.6, 0.0); (585060.9, 5264926.0, 260.1, 1376.2, 0.0);
(585085.9, 5264926.0, 259.2, 1376.2, 0.0); (585110.9, 5264926.0, 257.5, 1376.2, 0.0);
(585135.9, 5264926.0, 256.0, 1376.2, 0.0); (585160.9,

```
5264926.0,     255.9,    1376.2,       0.0);
     ( 585185.9, 5264926.0,     256.6,    1376.2,       0.0);         ( 585210.9,
5264926.0,     256.1,    1376.2,       0.0);
     ( 585235.9, 5264926.0,     255.4,    1376.2,       0.0);         ( 585260.9,
5264926.0,     254.4,    1376.2,       0.0);
     ( 585285.9, 5264926.0,     253.8,    1376.2,       0.0);         ( 585310.9,
5264926.0,     253.3,    1376.2,       0.0);
     ( 585335.9, 5264926.0,     252.9,    1402.5,       0.0);         ( 585360.9,
5264926.0,     252.7,    1402.5,       0.0);
     ( 585810.9, 5264926.0,     222.9,    1402.5,       0.0);         ( 585835.9,
5264926.0,     222.5,    1402.5,       0.0);
     ( 585860.9, 5264926.0,     218.9,    1402.5,       0.0);         ( 585885.9,
5264926.0,     215.0,    1402.5,       0.0);
     ( 585910.9, 5264926.0,     214.7,    1402.5,       0.0);         ( 585935.9,
5264926.0,     214.4,    1402.5,       0.0);
     ( 585960.9, 5264926.0,     212.1,    1402.5,       0.0);         ( 585985.9,
5264926.0,     210.4,    1402.5,       0.0);
     ( 586010.9, 5264926.0,     208.9,    1402.5,       0.0);         ( 586035.9,
5264926.0,     208.2,    1409.1,       0.0);
     ( 586435.9, 5264926.0,     179.1,    1450.2,       0.0);         ( 586460.9,
5264926.0,     178.6,    1450.2,       0.0);
     ( 586485.9, 5264926.0,     178.6,    1450.2,       0.0);         ( 586510.9,
5264926.0,     178.4,    1450.2,       0.0);
     ( 586535.9, 5264926.0,     177.7,    1450.2,       0.0);         ( 586560.9,
5264926.0,     176.9,    1450.2,       0.0);
     ( 586585.9, 5264926.0,     175.6,    1450.2,       0.0);         ( 586610.9,
5264926.0,     174.2,    1450.2,       0.0);
     ( 586635.9, 5264926.0,     173.4,    1450.2,       0.0);         ( 586660.9,
5264926.0,     172.0,    1450.2,       0.0);
     ( 586685.9, 5264926.0,     168.0,    1450.2,       0.0);         ( 586710.9,
5264926.0,     162.1,    1450.2,       0.0);
     ( 586735.9, 5264926.0,     159.7,    1450.2,       0.0);         ( 586760.9,
5264926.0,     158.2,    1450.2,       0.0);
     ( 586785.9, 5264926.0,     157.6,    1450.2,       0.0);         ( 584485.9,
5264951.0,     274.5,     274.5,       0.0);
     ( 584510.9, 5264951.0,     273.8,     273.8,       0.0);         ( 584535.9,
5264951.0,     273.0,     273.0,       0.0);
     ( 584560.9, 5264951.0,     271.9,     271.9,       0.0);         ( 584585.9,
5264951.0,     271.4,     271.4,       0.0);
     ( 584610.9, 5264951.0,     271.1,     271.1,       0.0);         ( 584635.9,
5264951.0,     270.8,     270.8,       0.0);
     ( 584660.9, 5264951.0,     270.6,     270.6,       0.0);         ( 584685.9,
5264951.0,     270.6,     270.6,       0.0);
     ( 584710.9, 5264951.0,     269.6,     269.6,       0.0);         ( 584735.9,
5264951.0,     268.6,     268.6,       0.0);
     ( 584760.9, 5264951.0,     268.1,     268.1,       0.0);         ( 584785.9,
5264951.0,     267.5,     267.5,       0.0);
     ( 584810.9, 5264951.0,     267.1,     267.1,       0.0);         ( 584835.9,
5264951.0,     266.8,     266.8,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
```

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

(584860.9, 5264951.0, 265.7, 265.7, 0.0); (584885.9, 5264951.0, 264.3, 264.3, 0.0);
(584910.9, 5264951.0, 263.7, 263.7, 0.0); (584935.9, 5264951.0, 263.5, 263.5, 0.0);
(584960.9, 5264951.0, 263.6, 263.6, 0.0); (584985.9, 5264951.0, 263.3, 263.3, 0.0);
(585010.9, 5264951.0, 262.9, 262.9, 0.0); (585035.9, 5264951.0, 262.1, 1357.2, 0.0);
(585060.9, 5264951.0, 261.2, 1362.6, 0.0); (585085.9, 5264951.0, 260.0, 1376.2, 0.0);
(585110.9, 5264951.0, 258.9, 1376.2, 0.0); (585135.9, 5264951.0, 257.8, 1376.2, 0.0);
(585160.9, 5264951.0, 257.1, 1376.2, 0.0); (585185.9, 5264951.0, 257.0, 1376.2, 0.0);
(585210.9, 5264951.0, 256.8, 1376.2, 0.0); (585235.9, 5264951.0, 256.6, 1376.2, 0.0);
(585260.9, 5264951.0, 256.1, 1376.2, 0.0); (585285.9, 5264951.0, 256.0, 1376.2, 0.0);
(585310.9, 5264951.0, 254.9, 1376.2, 0.0); (585335.9, 5264951.0, 254.1, 1376.2, 0.0);
(585360.9, 5264951.0, 254.1, 1402.5, 0.0); (585810.9, 5264951.0, 225.0, 1402.5, 0.0);
(585835.9, 5264951.0, 224.5, 1402.5, 0.0); (585860.9, 5264951.0, 222.0, 1402.5, 0.0);
(585885.9, 5264951.0, 217.6, 1402.5, 0.0); (585910.9, 5264951.0, 217.2, 1402.5, 0.0);
(585935.9, 5264951.0, 217.5, 1402.5, 0.0); (585960.9, 5264951.0, 214.7, 1402.5, 0.0);
(585985.9, 5264951.0, 212.3, 1402.5, 0.0); (586010.9, 5264951.0, 210.8, 1402.5, 0.0);
(586035.9, 5264951.0, 209.3, 1409.1, 0.0); (586060.9, 5264951.0, 207.9, 1450.1, 0.0);
(586085.9, 5264951.0, 206.8, 1450.2, 0.0); (586485.9, 5264951.0, 180.3, 1450.2, 0.0);
(586510.9, 5264951.0, 180.0, 1450.2, 0.0); (586535.9, 5264951.0, 179.4, 1450.2, 0.0);
(586560.9, 5264951.0, 178.4, 1450.2, 0.0); (586585.9, 5264951.0, 176.5, 1450.2, 0.0);
(586610.9, 5264951.0, 174.9, 1450.2, 0.0); (586635.9,

5264951.0,   173.9,   1450.2,   0.0);
     (586660.9, 5264951.0,   172.5,   1450.2,   0.0);   (586685.9,
5264951.0,   168.8,   1450.2,   0.0);
     (586710.9, 5264951.0,   165.2,   1450.2,   0.0);   (586735.9,
5264951.0,   164.7,   1450.2,   0.0);
     (586760.9, 5264951.0,   163.2,   1450.2,   0.0);   (586785.9,
5264951.0,   162.6,   1450.2,   0.0);
     (586810.9, 5264951.0,   162.0,   1450.2,   0.0);   (584485.9,
5264976.0,   275.3,   275.3,   0.0);
     (584510.9, 5264976.0,   274.3,   274.3,   0.0);   (584535.9,
5264976.0,   273.6,   273.6,   0.0);
     (584560.9, 5264976.0,   272.8,   272.8,   0.0);   (584585.9,
5264976.0,   272.1,   272.1,   0.0);
     (584610.9, 5264976.0,   271.5,   271.5,   0.0);   (584635.9,
5264976.0,   271.0,   271.0,   0.0);
     (584660.9, 5264976.0,   270.7,   270.7,   0.0);   (584685.9,
5264976.0,   271.1,   271.1,   0.0);
     (584710.9, 5264976.0,   270.2,   270.2,   0.0);   (584735.9,
5264976.0,   269.3,   269.3,   0.0);
     (584760.9, 5264976.0,   268.6,   268.6,   0.0);   (584785.9,
5264976.0,   268.0,   268.0,   0.0);
     (584810.9, 5264976.0,   267.4,   267.4,   0.0);   (584835.9,
5264976.0,   266.9,   266.9,   0.0);
     (584860.9, 5264976.0,   266.0,   266.0,   0.0);   (584885.9,
5264976.0,   265.0,   265.0,   0.0);
     (584910.9, 5264976.0,   264.6,   264.6,   0.0);   (584935.9,
5264976.0,   263.8,   263.8,   0.0);
     (584960.9, 5264976.0,   263.8,   263.8,   0.0);   (584985.9,
5264976.0,   263.8,   263.8,   0.0);
     (585010.9, 5264976.0,   263.6,   263.6,   0.0);   (585035.9,
5264976.0,   263.2,   263.2,   0.0);
     (585060.9, 5264976.0,   262.4,   1362.6,   0.0);   (585085.9,
5264976.0,   261.4,   1376.2,   0.0);
     (585110.9, 5264976.0,   260.4,   1376.2,   0.0);   (585135.9,
5264976.0,   259.2,   1376.2,   0.0);
     (585160.9, 5264976.0,   258.2,   1376.2,   0.0);   (585185.9,
5264976.0,   257.8,   1376.2,   0.0);
     (585210.9, 5264976.0,   257.6,   1376.2,   0.0);   (585235.9,
5264976.0,   257.5,   1376.2,   0.0);
     (585260.9, 5264976.0,   257.3,   1376.2,   0.0);   (585285.9,
5264976.0,   257.3,   1376.2,   0.0);
     (585310.9, 5264976.0,   256.4,   1376.2,   0.0);   (585335.9,
5264976.0,   255.3,   1376.2,   0.0);
     (585360.9, 5264976.0,   255.2,   1402.5,   0.0);   (585810.9,
5264976.0,   227.2,   1402.5,   0.0);
     (585835.9, 5264976.0,   226.6,   1402.5,   0.0);   (585860.9,
5264976.0,   224.9,   1402.5,   0.0);
     (585885.9, 5264976.0,   220.4,   1402.5,   0.0);   (585910.9,
5264976.0,   219.6,   1402.5,   0.0);
     (585935.9, 5264976.0,   220.2,   1402.5,   0.0);   (585960.9,

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

     (585985.9, 5264976.0,   215.1,   1402.5,   0.0);   (586010.9,
5264976.0,   213.0,   1402.5,   0.0);
     (586035.9, 5264976.0,   210.9,   1402.5,   0.0);   (586060.9,
5264976.0,   208.8,   1409.1,   0.0);
     (586085.9, 5264976.0,   207.4,   1450.2,   0.0);   (586110.9,
5264976.0,   205.7,   1450.2,   0.0);
     (586135.9, 5264976.0,   203.4,   1450.2,   0.0);   (586535.9,
5264976.0,   180.6,   1450.2,   0.0);
     (586560.9, 5264976.0,   179.4,   1450.2,   0.0);   (586585.9,
5264976.0,   177.3,   1450.2,   0.0);
     (586610.9, 5264976.0,   175.6,   1450.2,   0.0);   (586635.9,
5264976.0,   174.4,   1450.2,   0.0);
     (586660.9, 5264976.0,   172.9,   1450.2,   0.0);   (586685.9,
5264976.0,   170.3,   1450.2,   0.0);
     (586710.9, 5264976.0,   169.0,   1450.2,   0.0);   (586735.9,
5264976.0,   169.1,   1450.2,   0.0);
     (586760.9, 5264976.0,   167.3,   1450.2,   0.0);   (586785.9,
5264976.0,   165.8,   1450.2,   0.0);
     (586810.9, 5264976.0,   164.1,   1450.2,   0.0);   (584485.9,
5265001.0,   276.5,   276.5,   0.0);
     (584510.9, 5265001.0,   275.5,   275.5,   0.0);   (584535.9,
5265001.0,   274.1,   274.1,   0.0);
     (584560.9, 5265001.0,   273.3,   273.3,   0.0);   (584585.9,
5265001.0,   272.7,   272.7,   0.0);
     (584610.9, 5265001.0,   272.2,   272.2,   0.0);   (584635.9,
5265001.0,   271.6,   271.6,   0.0);
     (584660.9, 5265001.0,   271.4,   271.4,   0.0);   (584685.9,
5265001.0,   272.8,   272.8,   0.0);
     (584710.9, 5265001.0,   272.1,   272.1,   0.0);   (584735.9,
5265001.0,   271.1,   271.1,   0.0);
     (584760.9, 5265001.0,   270.2,   270.2,   0.0);   (584785.9,
5265001.0,   269.2,   273.2,   0.0);
     (584810.9, 5265001.0,   268.1,   272.6,   0.0);   (584835.9,
5265001.0,   267.2,   271.4,   0.0);
     (584860.9, 5265001.0,   266.1,   276.6,   0.0);   (584885.9,
5265001.0,   265.4,   276.6,   0.0);
     (584910.9, 5265001.0,   265.1,   265.1,   0.0);   (584935.9,

5265001.0,   264.7,   264.7,   0.0);
     (584960.9, 5265001.0,   264.2,   264.2,   0.0);   (584985.9,
5265001.0,   264.1,   264.1,   0.0);
     (585010.9, 5265001.0,   264.2,   264.2,   0.0);   (585035.9,
5265001.0,   263.8,   263.8,   0.0);
     (585060.9, 5265001.0,   263.1,   1357.2,   0.0);   (585085.9,
5265001.0,   262.2,   1374.6,   0.0);
     (585110.9, 5265001.0,   262.1,   1376.2,   0.0);   (585135.9,
5265001.0,   261.3,   1376.2,   0.0);
     (585160.9, 5265001.0,   260.1,   1376.2,   0.0);   (585185.9,
5265001.0,   259.0,   1376.2,   0.0);
     (585210.9, 5265001.0,   258.6,   1376.2,   0.0);   (585235.9,
5265001.0,   258.5,   1376.2,   0.0);
     (585260.9, 5265001.0,   258.4,   1376.2,   0.0);   (585285.9,
5265001.0,   258.2,   1376.2,   0.0);
     (585310.9, 5265001.0,   257.5,   1376.2,   0.0);   (585335.9,
5265001.0,   256.5,   1376.2,   0.0);
     (585360.9, 5265001.0,   256.4,   1376.2,   0.0);   (585835.9,
5265001.0,   228.6,   1402.5,   0.0);
     (585860.9, 5265001.0,   227.6,   1402.5,   0.0);   (585885.9,
5265001.0,   223.4,   1402.5,   0.0);
     (585910.9, 5265001.0,   222.0,   1402.5,   0.0);   (585935.9,
5265001.0,   222.3,   1402.5,   0.0);
     (585960.9, 5265001.0,   220.7,   1402.5,   0.0);   (585985.9,
5265001.0,   217.5,   1402.5,   0.0);
     (586010.9, 5265001.0,   214.9,   1402.5,   0.0);   (586035.9,
5265001.0,   212.5,   1402.5,   0.0);
     (586060.9, 5265001.0,   210.2,   1409.1,   0.0);   (586085.9,
5265001.0,   208.5,   1450.1,   0.0);
     (586110.9, 5265001.0,   206.1,   1450.2,   0.0);   (586135.9,
5265001.0,   203.8,   1450.2,   0.0);
     (586160.9, 5265001.0,   202.1,   1450.2,   0.0);   (586185.9,
5265001.0,   200.6,   1450.2,   0.0);
     (586585.9, 5265001.0,   178.3,   1450.2,   0.0);   (586610.9,
5265001.0,   176.6,   1450.2,   0.0);
     (586635.9, 5265001.0,   175.2,   1450.2,   0.0);   (586660.9,
5265001.0,   173.6,   1450.2,   0.0);
     (586685.9, 5265001.0,   172.2,   1450.2,   0.0);   (586710.9,
5265001.0,   170.9,   1450.2,   0.0);
     (586735.9, 5265001.0,   170.0,   1450.2,   0.0);   (586760.9,
5265001.0,   168.5,   1450.2,   0.0);
     (586785.9, 5265001.0,   166.9,   1450.2,   0.0);   (586810.9,
5265001.0,   164.7,   1450.2,   0.0);
     (584510.9, 5265026.0,   277.0,   277.0,   0.0);   (584535.9,
5265026.0,   276.1,   276.1,   0.0);
     (584560.9, 5265026.0,   274.9,   274.9,   0.0);   (584585.9,
5265026.0,   273.7,   277.7,   0.0);
     (584610.9, 5265026.0,   272.8,   277.7,   0.0);   (584635.9,
5265026.0,   272.3,   272.3,   0.0);
     (584660.9, 5265026.0,   272.8,   272.8,   0.0);   (584685.9,

5265026.0,   273.7,   273.7,   0.0);
     (584710.9, 5265026.0,   273.4,   273.4,   0.0);   (584735.9,
5265026.0,   273.0,   273.0,   0.0);

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

     (584760.9, 5265026.0,   272.6,   272.6,   0.0);   (584785.9,
5265026.0,   271.8,   271.8,   0.0);
     (584810.9, 5265026.0,   270.5,   271.4,   0.0);   (584835.9,
5265026.0,   268.5,   276.6,   0.0);
     (584860.9, 5265026.0,   266.4,   276.6,   0.0);   (584885.9,
5265026.0,   265.6,   276.6,   0.0);
     (584910.9, 5265026.0,   265.3,   276.6,   0.0);   (584935.9,
5265026.0,   265.1,   265.1,   0.0);
     (584960.9, 5265026.0,   264.7,   264.7,   0.0);   (584985.9,
5265026.0,   264.5,   264.5,   0.0);
     (585010.9, 5265026.0,   264.5,   264.5,   0.0);   (585035.9,
5265026.0,   264.4,   264.4,   0.0);
     (585060.9, 5265026.0,   263.7,   1357.2,   0.0);   (585085.9,
5265026.0,   263.3,   1362.6,   0.0);
     (585110.9, 5265026.0,   263.4,   1376.2,   0.0);   (585135.9,
5265026.0,   262.9,   1376.2,   0.0);
     (585160.9, 5265026.0,   261.9,   1376.2,   0.0);   (585185.9,
5265026.0,   260.4,   1376.2,   0.0);
     (585210.9, 5265026.0,   260.0,   1376.2,   0.0);   (585235.9,
5265026.0,   259.9,   1376.2,   0.0);
     (585260.9, 5265026.0,   259.6,   1376.2,   0.0);   (585285.9,
5265026.0,   259.1,   1376.2,   0.0);
     (585310.9, 5265026.0,   258.3,   1376.2,   0.0);   (585335.9,
5265026.0,   257.3,   1376.2,   0.0);
     (585360.9, 5265026.0,   257.2,   1376.2,   0.0);   (585835.9,
5265026.0,   230.7,   1402.5,   0.0);
     (585860.9, 5265026.0,   230.0,   1402.5,   0.0);   (585885.9,
5265026.0,   226.3,   1402.5,   0.0);
     (585910.9, 5265026.0,   224.2,   1402.5,   0.0);   (585935.9,
5265026.0,   223.8,   1402.5,   0.0);
     (585960.9, 5265026.0,   221.9,   1402.5,   0.0);   (585985.9,
5265026.0,   218.9,   1402.5,   0.0);
     (586010.9, 5265026.0,   216.4,   1402.5,   0.0);   (586035.9,
5265026.0,   214.0,   1402.5,   0.0);
     (586060.9, 5265026.0,   212.1,   1402.5,   0.0);   (586085.9,

5265026.0,   210.5,   1409.1,   0.0);
     (586110.9, 5265026.0,   207.2,   1450.2,   0.0);   (586135.9,
5265026.0,   204.4,   1450.2,   0.0);
     (586160.9, 5265026.0,   202.3,   1450.2,   0.0);   (586185.9,
5265026.0,   200.6,   1450.2,   0.0);
     (586210.9, 5265026.0,   198.8,   1450.2,   0.0);   (586235.9,
5265026.0,   197.3,   1450.2,   0.0);
     (586660.9, 5265026.0,   175.0,   1450.2,   0.0);   (586685.9,
5265026.0,   173.5,   1450.2,   0.0);
     (586710.9, 5265026.0,   172.2,   1450.2,   0.0);   (586735.9,
5265026.0,   170.7,   1450.2,   0.0);
     (586760.9, 5265026.0,   169.1,   1450.2,   0.0);   (586785.9,
5265026.0,   167.0,   1450.2,   0.0);
     (586810.9, 5265026.0,   164.5,   1450.2,   0.0);   (584535.9,
5265051.0,   277.3,   277.3,   0.0);
     (584560.9, 5265051.0,   277.0,   277.0,   0.0);   (584585.9,
5265051.0,   276.2,   277.7,   0.0);
     (584610.9, 5265051.0,   275.1,   276.8,   0.0);   (584635.9,
5265051.0,   274.1,   274.1,   0.0);
     (584660.9, 5265051.0,   274.1,   274.1,   0.0);   (584685.9,
5265051.0,   274.1,   274.1,   0.0);
     (584710.9, 5265051.0,   273.9,   273.9,   0.0);   (584735.9,
5265051.0,   273.8,   273.8,   0.0);
     (584760.9, 5265051.0,   273.6,   273.6,   0.0);   (584785.9,
5265051.0,   273.4,   273.4,   0.0);
     (584810.9, 5265051.0,   272.8,   272.8,   0.0);   (584835.9,
5265051.0,   271.0,   276.6,   0.0);
     (584860.9, 5265051.0,   267.9,   276.6,   0.0);   (584885.9,
5265051.0,   266.1,   276.6,   0.0);
     (584910.9, 5265051.0,   265.6,   276.6,   0.0);   (584935.9,
5265051.0,   265.3,   265.3,   0.0);
     (584960.9, 5265051.0,   265.2,   265.2,   0.0);   (584985.9,
5265051.0,   265.2,   265.2,   0.0);
     (585010.9, 5265051.0,   265.2,   265.2,   0.0);   (585035.9,
5265051.0,   264.8,   264.8,   0.0);
     (585060.9, 5265051.0,   264.4,   264.4,   0.0);   (585085.9,
5265051.0,   264.5,   1357.2,   0.0);
     (585110.9, 5265051.0,   264.5,   1362.6,   0.0);   (585135.9,
5265051.0,   264.2,   1376.2,   0.0);
     (585160.9, 5265051.0,   263.4,   1376.2,   0.0);   (585185.9,
5265051.0,   262.2,   1376.2,   0.0);
     (585210.9, 5265051.0,   261.8,   1376.2,   0.0);   (585235.9,
5265051.0,   261.5,   1376.2,   0.0);
     (585260.9, 5265051.0,   261.0,   1376.2,   0.0);   (585285.9,
5265051.0,   260.3,   1376.2,   0.0);
     (585310.9, 5265051.0,   259.0,   1376.2,   0.0);   (585335.9,
5265051.0,   257.9,   1376.2,   0.0);
     (585360.9, 5265051.0,   257.7,   1376.2,   0.0);   (585835.9,
5265051.0,   232.6,   1402.5,   0.0);
     (585860.9, 5265051.0,   232.2,   1402.5,   0.0);   (585885.9,

5265051.0,   228.9,   1402.5,   0.0);
     (585910.9, 5265051.0,   226.3,   1402.5,   0.0);   (585935.9,
5265051.0,   224.8,   1402.5,   0.0);
     (585960.9, 5265051.0,   222.5,   1402.5,   0.0);   (585985.9,
5265051.0,   220.0,   1402.5,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

     (586010.9, 5265051.0,   217.9,   1402.5,   0.0);   (586035.9,
5265051.0,   216.1,   1402.5,   0.0);
     (586135.9, 5265051.0,   206.6,   1450.2,   0.0);   (586160.9,
5265051.0,   203.6,   1450.2,   0.0);
     (586185.9, 5265051.0,   200.9,   1450.2,   0.0);   (586210.9,
5265051.0,   198.9,   1450.2,   0.0);
     (586235.9, 5265051.0,   197.2,   1450.2,   0.0);   (586260.9,
5265051.0,   196.5,   1450.2,   0.0);
     (586285.9, 5265051.0,   196.1,   1450.2,   0.0);   (586710.9,
5265051.0,   173.7,   1450.2,   0.0);
     (586735.9, 5265051.0,   171.6,   1450.2,   0.0);   (586760.9,
5265051.0,   169.5,   1450.2,   0.0);
     (586785.9, 5265051.0,   166.9,   1450.2,   0.0);   (584585.9,
5265076.0,   277.9,   277.9,   0.0);
     (584610.9, 5265076.0,   277.0,   277.0,   0.0);   (584635.9,
5265076.0,   276.3,   276.3,   0.0);
     (584660.9, 5265076.0,   275.9,   275.9,   0.0);   (584685.9,
5265076.0,   275.5,   275.5,   0.0);
     (584710.9, 5265076.0,   274.9,   274.9,   0.0);   (584735.9,
5265076.0,   274.4,   274.4,   0.0);
     (584760.9, 5265076.0,   274.1,   274.1,   0.0);   (584785.9,
5265076.0,   274.4,   274.4,   0.0);
     (584810.9, 5265076.0,   274.9,   274.9,   0.0);   (584835.9,
5265076.0,   273.8,   276.6,   0.0);
     (584860.9, 5265076.0,   269.9,   276.6,   0.0);   (584885.9,
5265076.0,   267.5,   276.6,   0.0);
     (584910.9, 5265076.0,   266.5,   276.6,   0.0);   (584935.9,
5265076.0,   265.8,   271.5,   0.0);
     (584960.9, 5265076.0,   266.1,   266.1,   0.0);   (584985.9,
5265076.0,   266.5,   266.5,   0.0);
     (585010.9, 5265076.0,   266.1,   266.1,   0.0);   (585035.9,
5265076.0,   265.5,   265.5,   0.0);
     (585060.9, 5265076.0,   265.4,   265.4,   0.0);   (585085.9,

```
5265076.0,     265.4,    1357.2,       0.0);
     ( 585110.9, 5265076.0,     265.2,    1362.6,       0.0);         ( 585135.9,
5265076.0,     265.0,    1376.2,       0.0);
     ( 585160.9, 5265076.0,     264.7,    1376.2,       0.0);         ( 585185.9,
5265076.0,     264.0,    1376.2,       0.0);
     ( 585210.9, 5265076.0,     263.7,    1376.2,       0.0);         ( 585235.9,
5265076.0,     263.2,    1376.2,       0.0);
     ( 585260.9, 5265076.0,     262.6,    1376.2,       0.0);         ( 585285.9,
5265076.0,     261.7,    1376.2,       0.0);
     ( 585310.9, 5265076.0,     259.7,    1376.2,       0.0);         ( 585335.9,
5265076.0,     258.4,    1376.2,       0.0);
     ( 585360.9, 5265076.0,     258.0,    1376.2,       0.0);         ( 585835.9,
5265076.0,     234.5,    1402.5,       0.0);
     ( 585860.9, 5265076.0,     233.8,    1402.5,       0.0);         ( 585885.9,
5265076.0,     231.4,    1402.5,       0.0);
     ( 585910.9, 5265076.0,     228.5,    1402.5,       0.0);         ( 585935.9,
5265076.0,     226.0,    1402.5,       0.0);
     ( 585960.9, 5265076.0,     224.1,    1402.5,       0.0);         ( 585985.9,
5265076.0,     222.5,    1402.5,       0.0);
     ( 586010.9, 5265076.0,     221.2,    1402.5,       0.0);         ( 586185.9,
5265076.0,     202.9,    1450.2,       0.0);
     ( 586210.9, 5265076.0,     200.5,    1450.2,       0.0);         ( 586235.9,
5265076.0,     198.6,    1450.2,       0.0);
     ( 586260.9, 5265076.0,     197.7,    1450.2,       0.0);         ( 586285.9,
5265076.0,     197.1,    1450.2,       0.0);
     ( 586310.9, 5265076.0,     196.7,    1450.2,       0.0);         ( 586760.9,
5265076.0,     169.4,    1450.2,       0.0);
     ( 586785.9, 5265076.0,     166.3,    1450.2,       0.0);         ( 584635.9,
5265101.0,     277.9,     277.9,       0.0);
     ( 584660.9, 5265101.0,     277.8,     277.8,       0.0);         ( 584685.9,
5265101.0,     277.4,     277.4,       0.0);
     ( 584710.9, 5265101.0,     276.7,     276.7,       0.0);         ( 584735.9,
5265101.0,     275.8,     279.0,       0.0);
     ( 584760.9, 5265101.0,     275.0,     278.3,       0.0);         ( 584785.9,
5265101.0,     275.4,     275.4,       0.0);
     ( 584810.9, 5265101.0,     276.6,     276.6,       0.0);         ( 584835.9,
5265101.0,     275.5,     276.6,       0.0);
     ( 584860.9, 5265101.0,     271.6,     276.6,       0.0);         ( 584885.9,
5265101.0,     269.7,     276.6,       0.0);
     ( 584910.9, 5265101.0,     268.6,     271.5,       0.0);         ( 584935.9,
5265101.0,     267.0,     271.5,       0.0);
     ( 584960.9, 5265101.0,     267.8,     270.9,       0.0);         ( 584985.9,
5265101.0,     268.1,     268.1,       0.0);
     ( 585010.9, 5265101.0,     267.1,     267.1,       0.0);         ( 585035.9,
5265101.0,     266.6,     266.6,       0.0);
     ( 585060.9, 5265101.0,     266.5,     266.5,       0.0);         ( 585085.9,
5265101.0,     266.0,     266.0,       0.0);
     ( 585110.9, 5265101.0,     265.7,    1361.0,       0.0);         ( 585135.9,
5265101.0,     265.7,    1362.6,       0.0);
     ( 585160.9, 5265101.0,     265.6,    1376.2,       0.0);         ( 585185.9,
```

5265101.0,   265.4,   1376.2,   0.0);
     (585210.9, 5265101.0,   264.9,   1376.2,   0.0);   (585235.9,
5265101.0,   264.4,   1376.2,   0.0);
     (585260.9, 5265101.0,   263.7,   1376.2,   0.0);   (585285.9,
5265101.0,   263.0,   1376.2,   0.0);
     (585310.9, 5265101.0,   260.1,   1376.2,   0.0);   (585335.9,
5265101.0,   258.5,   1376.2,   0.0);

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

     (585360.9, 5265101.0,   258.3,   1376.2,   0.0);   (585835.9,
5265101.0,   235.9,   1402.5,   0.0);
     (585860.9, 5265101.0,   234.7,   1402.5,   0.0);   (585885.9,
5265101.0,   232.6,   1402.5,   0.0);
     (585910.9, 5265101.0,   230.2,   1402.5,   0.0);   (585935.9,
5265101.0,   228.2,   1402.5,   0.0);
     (585960.9, 5265101.0,   226.8,   1402.5,   0.0);   (586210.9,
5265101.0,   203.2,   1450.2,   0.0);
     (586235.9, 5265101.0,   201.1,   1450.2,   0.0);   (586260.9,
5265101.0,   199.8,   1450.2,   0.0);
     (586285.9, 5265101.0,   198.8,   1450.2,   0.0);   (586310.9,
5265101.0,   198.7,   1450.2,   0.0);
     (584710.9, 5265126.0,   278.9,   278.9,   0.0);   (584735.9,
5265126.0,   278.6,   278.6,   0.0);
     (584760.9, 5265126.0,   277.5,   277.5,   0.0);   (584785.9,
5265126.0,   277.0,   277.0,   0.0);
     (584810.9, 5265126.0,   276.5,   276.5,   0.0);   (584835.9,
5265126.0,   275.0,   275.9,   0.0);
     (584860.9, 5265126.0,   272.2,   276.6,   0.0);   (584885.9,
5265126.0,   271.5,   271.5,   0.0);
     (584910.9, 5265126.0,   271.3,   271.3,   0.0);   (584935.9,
5265126.0,   270.7,   271.1,   0.0);
     (584960.9, 5265126.0,   270.2,   270.2,   0.0);   (584985.9,
5265126.0,   269.1,   269.1,   0.0);
     (585010.9, 5265126.0,   267.9,   267.9,   0.0);   (585035.9,
5265126.0,   267.4,   267.4,   0.0);
     (585060.9, 5265126.0,   267.3,   267.3,   0.0);   (585085.9,
5265126.0,   267.1,   267.1,   0.0);
     (585110.9, 5265126.0,   266.7,   1357.2,   0.0);   (585135.9,
5265126.0,   266.4,   1362.6,   0.0);
     (585160.9, 5265126.0,   266.2,   1376.2,   0.0);   (585185.9,

5265126.0,   266.1,   1376.2,   0.0);
     (585210.9, 5265126.0,   265.7,   1376.2,   0.0);   (585235.9,
5265126.0,   265.2,   1376.2,   0.0);
     (585260.9, 5265126.0,   264.2,   1376.2,   0.0);   (585285.9,
5265126.0,   263.1,   1376.2,   0.0);
     (585310.9, 5265126.0,   260.4,   1376.2,   0.0);   (585335.9,
5265126.0,   258.7,   1376.2,   0.0);
     (585360.9, 5265126.0,   258.4,   1376.2,   0.0);   (585860.9,
5265126.0,   235.6,   1402.5,   0.0);
     (585885.9, 5265126.0,   233.7,   1402.5,   0.0);   (585910.9,
5265126.0,   231.6,   1402.5,   0.0);
     (585935.9, 5265126.0,   229.8,   1402.5,   0.0);   (586260.9,
5265126.0,   203.1,   1450.2,   0.0);
     (586285.9, 5265126.0,   201.8,   1450.2,   0.0);   (584760.9,
5265151.0,   278.7,   278.7,   0.0);
     (584785.9, 5265151.0,   277.9,   277.9,   0.0);   (584810.9,
5265151.0,   275.8,   275.8,   0.0);
     (584835.9, 5265151.0,   273.5,   273.5,   0.0);   (584860.9,
5265151.0,   272.0,   272.0,   0.0);
     (584885.9, 5265151.0,   271.7,   271.7,   0.0);   (584910.9,
5265151.0,   271.7,   271.7,   0.0);
     (584935.9, 5265151.0,   271.5,   271.5,   0.0);   (584960.9,
5265151.0,   271.4,   271.4,   0.0);
     (584985.9, 5265151.0,   270.6,   270.6,   0.0);   (585010.9,
5265151.0,   269.3,   269.3,   0.0);
     (585035.9, 5265151.0,   268.7,   268.7,   0.0);   (585060.9,
5265151.0,   268.3,   268.3,   0.0);
     (585085.9, 5265151.0,   268.1,   268.1,   0.0);   (585110.9,
5265151.0,   267.8,   267.8,   0.0);
     (585135.9, 5265151.0,   267.4,   1361.0,   0.0);   (585160.9,
5265151.0,   267.1,   1374.6,   0.0);
     (585185.9, 5265151.0,   266.7,   1376.2,   0.0);   (585210.9,
5265151.0,   266.4,   1376.2,   0.0);
     (585235.9, 5265151.0,   265.7,   1376.2,   0.0);   (585260.9,
5265151.0,   264.7,   1376.2,   0.0);
     (585285.9, 5265151.0,   263.3,   1376.2,   0.0);   (585310.9,
5265151.0,   260.8,   1376.2,   0.0);
     (585335.9, 5265151.0,   259.0,   1376.2,   0.0);   (585360.9,
5265151.0,   258.7,   1376.2,   0.0);
     (585860.9, 5265151.0,   236.0,   1402.5,   0.0);   (585885.9,
5265151.0,   234.0,   1402.5,   0.0);
     (584810.9, 5265176.0,   275.0,   278.1,   0.0);   (584835.9,
5265176.0,   272.5,   278.1,   0.0);
     (584860.9, 5265176.0,   271.5,   271.5,   0.0);   (584885.9,
5265176.0,   271.2,   271.2,   0.0);
     (584910.9, 5265176.0,   271.0,   271.0,   0.0);   (584935.9,
5265176.0,   271.0,   271.0,   0.0);
     (584960.9, 5265176.0,   271.7,   271.7,   0.0);   (584985.9,
5265176.0,   271.8,   271.8,   0.0);
     (585010.9, 5265176.0,   270.9,   270.9,   0.0);   (585035.9,

5265176.0,   270.0,   270.0,   0.0);
     (585060.9, 5265176.0,   269.7,   269.7,   0.0);   (585085.9,
5265176.0,   269.5,   269.5,   0.0);
     (585110.9, 5265176.0,   269.1,   269.1,   0.0);   (585135.9,
5265176.0,   268.4,   1357.2,   0.0);
     (585160.9, 5265176.0,   267.8,   1362.6,   0.0);   (585185.9,
5265176.0,   267.4,   1376.2,   0.0);
     (585210.9, 5265176.0,   267.2,   1376.2,   0.0);   (585235.9,
5265176.0,   266.4,   1376.2,   0.0);

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

     (585260.9, 5265176.0,   265.1,   1376.2,   0.0);   (585285.9,
5265176.0,   263.7,   1376.2,   0.0);
     (585310.9, 5265176.0,   261.4,   1376.2,   0.0);   (585335.9,
5265176.0,   259.5,   1376.2,   0.0);
     (585360.9, 5265176.0,   259.1,   1376.2,   0.0);   (584860.9,
5265201.0,   270.1,   270.1,   0.0);
     (584885.9, 5265201.0,   269.9,   269.9,   0.0);   (584910.9,
5265201.0,   269.5,   269.5,   0.0);
     (584935.9, 5265201.0,   269.9,   269.9,   0.0);   (584960.9,
5265201.0,   271.7,   271.7,   0.0);
     (584985.9, 5265201.0,   272.9,   272.9,   0.0);   (585010.9,
5265201.0,   272.4,   272.4,   0.0);
     (585035.9, 5265201.0,   271.3,   271.3,   0.0);   (585060.9,
5265201.0,   271.1,   271.1,   0.0);
     (585085.9, 5265201.0,   270.9,   270.9,   0.0);   (585110.9,
5265201.0,   270.3,   270.3,   0.0);
     (585135.9, 5265201.0,   269.3,   269.3,   0.0);   (585160.9,
5265201.0,   268.6,   1361.0,   0.0);
     (585185.9, 5265201.0,   268.4,   1374.6,   0.0);   (585210.9,
5265201.0,   268.2,   1376.2,   0.0);
     (585235.9, 5265201.0,   267.3,   1376.2,   0.0);   (585260.9,
5265201.0,   265.9,   1376.2,   0.0);
     (585285.9, 5265201.0,   264.3,   1376.2,   0.0);   (585310.9,
5265201.0,   262.2,   1376.2,   0.0);
     (585335.9, 5265201.0,   260.1,   1376.2,   0.0);   (585360.9,
5265201.0,   259.6,   1376.2,   0.0);
     (584935.9, 5265226.0,   269.0,   273.9,   0.0);   (584960.9,
5265226.0,   271.8,   273.5,   0.0);
     (584985.9, 5265226.0,   273.7,   273.7,   0.0);   (585010.9,

5265226.0,   273.3,   273.3,   0.0);
     (585035.9, 5265226.0,   272.5,   272.5,   0.0);   (585060.9,
5265226.0,   272.3,   272.3,   0.0);
     (585085.9, 5265226.0,   271.9,   271.9,   0.0);   (585110.9,
5265226.0,   271.2,   271.2,   0.0);
     (585135.9, 5265226.0,   270.3,   270.3,   0.0);   (585160.9,
5265226.0,   269.7,   1357.2,   0.0);
     (585185.9, 5265226.0,   269.4,   1362.6,   0.0);   (585210.9,
5265226.0,   268.7,   1376.2,   0.0);
     (585235.9, 5265226.0,   268.3,   1376.2,   0.0);   (585260.9,
5265226.0,   267.2,   1376.2,   0.0);
     (585285.9, 5265226.0,   265.2,   1376.2,   0.0);   (585310.9,
5265226.0,   263.0,   1376.2,   0.0);
     (585335.9, 5265226.0,   261.2,   1376.2,   0.0);   (585360.9,
5265226.0,   260.4,   1376.2,   0.0);
     (585385.9, 5265226.0,   259.7,   1376.2,   0.0);   (584985.9,
5265251.0,   274.0,   274.0,   0.0);
     (585010.9, 5265251.0,   273.7,   273.7,   0.0);   (585035.9,
5265251.0,   273.2,   273.2,   0.0);
     (585060.9, 5265251.0,   273.0,   273.0,   0.0);   (585085.9,
5265251.0,   272.3,   272.3,   0.0);
     (585110.9, 5265251.0,   271.7,   271.7,   0.0);   (585135.9,
5265251.0,   271.1,   271.1,   0.0);
     (585160.9, 5265251.0,   270.8,   270.8,   0.0);   (585185.9,
5265251.0,   269.9,   1362.6,   0.0);
     (585210.9, 5265251.0,   268.9,   1376.2,   0.0);   (585235.9,
5265251.0,   268.2,   1376.2,   0.0);
     (585260.9, 5265251.0,   267.5,   1376.2,   0.0);   (585285.9,
5265251.0,   266.6,   1376.2,   0.0);
     (585310.9, 5265251.0,   264.8,   1376.2,   0.0);   (585335.9,
5265251.0,   262.4,   1376.2,   0.0);
     (585360.9, 5265251.0,   260.9,   1376.2,   0.0);   (585385.9,
5265251.0,   260.2,   1376.2,   0.0);
     (585060.9, 5265276.0,   273.3,   273.3,   0.0);   (585085.9,
5265276.0,   272.8,   272.8,   0.0);
     (585110.9, 5265276.0,   272.3,   272.3,   0.0);   (585135.9,
5265276.0,   271.9,   271.9,   0.0);
     (585160.9, 5265276.0,   271.1,   271.1,   0.0);   (585185.9,
5265276.0,   270.1,   1357.2,   0.0);
     (585210.9, 5265276.0,   269.2,   1374.6,   0.0);   (585235.9,
5265276.0,   268.4,   1376.2,   0.0);
     (585260.9, 5265276.0,   267.5,   1376.2,   0.0);   (585285.9,
5265276.0,   266.7,   1376.2,   0.0);
     (585310.9, 5265276.0,   265.6,   1376.2,   0.0);   (585335.9,
5265276.0,   264.0,   1376.2,   0.0);
     (585360.9, 5265276.0,   262.1,   1376.2,   0.0);   (585385.9,
5265276.0,   260.3,   1376.2,   0.0);
     (585160.9, 5265301.0,   271.4,   271.4,   0.0);   (585185.9,
5265301.0,   270.4,   1357.2,   0.0);
     (585210.9, 5265301.0,   269.5,   1362.6,   0.0);   (585235.9,

5265301.0,   268.7,   1376.2,   0.0);
     (585260.9, 5265301.0,   267.6,   1376.2,   0.0);   (585285.9,
5265301.0,   266.6,   1376.2,   0.0);
     (585310.9, 5265301.0,   265.8,   1376.2,   0.0);   (585335.9,
5265301.0,   265.1,   1376.2,   0.0);
     (585360.9, 5265301.0,   263.5,   1376.2,   0.0);   (585260.9,
5265326.0,   267.7,   1376.2,   0.0);
     (585285.9, 5265326.0,   266.7,   1376.2,   0.0);   (585310.9,
5265326.0,   265.7,   1376.2,   0.0);
     (585335.9, 5265326.0,   265.4,   1376.2,   0.0);   (585360.9,
5265326.0,   264.6,   1376.2,   0.0);

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

     (585335.9, 5265351.0,   265.7,   1376.2,   0.0);   (585790.9,
5264633.2,   209.6,   1402.5,   0.0);
     (585315.4, 5264503.5,   250.1,   1402.5,   0.0);   (585317.3,
5264461.3,   250.2,   1402.5,   0.0);
     (585320.2, 5264412.3,   249.9,   1402.5,   0.0);   (585271.2,
5264634.2,   253.7,   1376.2,   0.0);
     (585191.5, 5264625.5,   254.3,   1376.2,   0.0);   (585271.2,
5264300.8,   253.2,   1376.2,   0.0);
     (585302.9, 5264189.4,   251.0,   1402.5,   0.0);   (585333.7,
5264187.5,   250.9,   1402.5,   0.0);
     (585259.7, 5264192.3,   250.6,   1402.5,   0.0);   (585339.4,
5264124.1,   248.5,   1402.5,   0.0);
     (585338.5, 5264100.1,   247.4,   1402.5,   0.0);   (585338.5,
5264071.2,   246.6,   1402.5,   0.0);
     (585338.5, 5264032.8,   244.5,   1402.5,   0.0);   (585143.5,
5264107.8,   247.1,   1376.2,   0.0);
     (585049.3, 5264147.1,   248.0,   1376.2,   0.0);   (585113.7,
5264304.7,   254.7,   1376.2,   0.0);
     (585013.8, 5264314.3,   254.3,   1376.2,   0.0);   (584962.9,
5264173.1,   249.9,   1376.2,   0.0);
     (585044.5, 5264478.6,   263.2,   1376.2,   0.0);   (584941.7,
5264435.3,   264.1,   691.6,   0.0);
     (584885.0, 5264351.8,   258.8,   691.6,   0.0);   (584881.2,
5264224.0,   253.1,   1374.6,   0.0);
     (585157.9, 5264427.7,   257.7,   1376.2,   0.0);   (585180.9,
5264461.3,   257.7,   1376.2,   0.0);
     (585185.7, 5264517.0,   257.5,   1376.2,   0.0);   (585146.3,

```
5264516.0,     257.8,    1376.2,       0.0);
     ( 585145.4, 5264471.8,     257.8,    1376.2,       0.0);         ( 584791.9,
5264277.8,     255.7,     691.6,       0.0);
     ( 584762.1, 5264282.6,     255.7,     691.6,       0.0);         ( 584775.5,
5264409.4,     260.9,     691.6,       0.0);
     ( 584823.6, 5264507.4,     267.2,     691.6,       0.0);         ( 586471.9,
5264419.0,     207.2,    1450.2,       0.0);
     ( 586328.5, 5264386.6,     212.3,    1450.2,       0.0);         ( 586250.7,
5264308.7,     235.1,    1450.2,       0.0);
     ( 586222.3, 5264214.9,     247.5,    1402.5,       0.0);         ( 586116.1,
5264256.8,     247.2,    1402.5,       0.0);
     ( 586145.6, 5264129.9,     256.3,    1402.5,       0.0);         ( 586227.1,
5264154.7,     253.1,    1402.5,       0.0);
     ( 586277.2, 5264156.5,     249.2,    1402.5,       0.0);         ( 586443.0,
5264229.0,     224.0,    1450.2,       0.0);
     ( 586532.1, 5264238.5,     216.3,    1450.2,       0.0);         ( 586517.9,
5264327.6,     215.2,    1450.2,       0.0);
     ( 586574.0, 5264265.6,     211.6,    1450.2,       0.0);         ( 586073.1,
5264240.2,     246.4,    1402.5,       0.0);
     ( 586406.4, 5264050.3,     239.2,    1450.2,       0.0);         ( 586413.6,
5263859.3,     237.4,    1450.2,       0.0);
     ( 585601.2, 5263903.3,     240.5,    1402.5,       0.0);         ( 585951.4,
5263678.9,     240.2,    1402.5,       0.0);
     ( 585755.8, 5263742.6,     251.0,    1402.5,       0.0);         ( 585592.8,
5263716.5,     253.2,    1402.5,       0.0);
     ( 585513.6, 5263705.0,     254.9,    1402.5,       0.0);         ( 585494.5,
5263669.9,     257.3,    1402.5,       0.0);
     ( 585699.7, 5263594.6,     254.8,    1402.5,       0.0);         ( 585900.8,
5263561.0,     250.9,    1402.5,       0.0);
     ( 585826.6, 5263669.4,     251.9,    1402.5,       0.0);         ( 585489.0,
5263606.2,     263.3,    1402.5,       0.0);
     ( 585525.1, 5263590.6,     262.2,    1402.5,       0.0);         ( 585483.0,
5263564.5,     264.4,    1402.5,       0.0);
     ( 586148.0, 5263560.0,     222.3,    1450.2,       0.0);         ( 585705.8,
5263562.0,     255.8,    1402.5,       0.0);
     ( 585829.2, 5263480.3,     251.5,    1402.5,       0.0);         ( 585980.2,
5263456.7,     243.7,    1402.5,       0.0);
     ( 586089.0, 5263441.1,     233.1,    1402.5,       0.0);         ( 584227.1,
5264152.1,     268.9,     916.0,       0.0);
     ( 584491.8, 5264407.7,     261.7,     691.6,       0.0);         ( 584455.0,
5264459.6,     262.0,     691.6,       0.0);
     ( 584463.6, 5264492.1,     262.1,     691.6,       0.0);         ( 584526.4,
5264554.9,     264.6,     691.6,       0.0);
     ( 584509.1, 5264626.4,     266.8,     652.8,       0.0);         ( 584403.0,
5264739.0,     271.9,     271.9,       0.0);
     ( 584405.2, 5264845.0,     274.5,     274.5,       0.0);         ( 584465.8,
5264929.5,     274.5,     274.5,       0.0);
     ( 584489.6, 5265037.8,     277.4,     277.4,       0.0);         ( 584736.5,
5265148.2,     279.2,     279.2,       0.0);
     ( 584996.3, 5265260.8,     274.1,     274.1,       0.0);         ( 585349.2,
```

5265356.0,   264.8,   1376.2,   0.0);
     (585396.8, 5265271.6,   259.4,   1376.2,   0.0);   (585368.7,
5265146.0,   258.6,   1376.2,   0.0);
     (585373.0, 5264873.2,   249.6,   1402.5,   0.0);   (585277.8,
5264827.7,   250.1,   1376.2,   0.0);
     (585275.6, 5264754.1,   251.3,   1376.2,   0.0);   (585037.4,
5264715.1,   263.1,   1362.6,   0.0);
     (584872.9, 5264656.7,   270.0,   691.6,   0.0);   (584589.2,
5264498.6,   264.0,   691.6,   0.0);
     (585683.9, 5264775.3,   223.9,   1402.5,   0.0);   (585804.3,
5264952.1,   225.5,   1402.5,   0.0);
     (585849.7, 5265172.7,   236.7,   1402.5,   0.0);   (585995.2,
5265096.0,   224.2,   1402.5,   0.0);

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

     (586071.8, 5265030.3,   211.9,   1409.1,   0.0);   (586286.2,
5265139.8,   204.2,   1450.2,   0.0);
     (586340.9, 5265069.5,   195.7,   1450.2,   0.0);   (586040.6,
5264917.7,   207.9,   1409.1,   0.0);
     (585738.6, 5264789.4,   221.8,   1402.5,   0.0);   (586089.1,
5264786.3,   198.6,   1450.2,   0.0);
     (586129.7, 5264665.8,   193.4,   1450.2,   0.0);   (586401.9,
5264776.9,   175.3,   1450.2,   0.0);
     (586541.2, 5264847.3,   172.1,   1450.2,   0.0);   (586656.9,
5264736.2,   170.4,   1450.2,   0.0);
     (586744.5, 5264625.2,   173.5,   1450.2,   0.0);   (586785.2,
5264597.0,   174.4,   1450.2,   0.0);
     (586929.1, 5264593.9,   167.1,   1468.1,   0.0);   (586905.7,
5264672.1,   163.4,   1468.1,   0.0);
     (586844.7, 5264681.5,   170.0,   1450.2,   0.0);   (586818.1,
5264747.2,   169.5,   1450.2,   0.0);
     (586825.9, 5264809.8,   165.2,   1450.2,   0.0);   (586761.7,
5264861.4,   162.9,   1450.2,   0.0);
     (586833.7, 5264991.2,   162.5,   1450.2,   0.0);   (586782.1,
5265091.3,   166.0,   1450.2,   0.0);
     (586458.2, 5264944.3,   179.9,   1450.2,   0.0);   (586225.2,
5264834.8,   189.8,   1450.2,   0.0);
     (585339.0, 5263704.4,   259.3,   1376.2,   0.0);   (585322.5,
5263487.2,   268.9,   1376.2,   0.0);
     (585261.7, 5263498.2,   269.1,   1376.2,   0.0);   (585243.3,

```
5263547.9,     268.2,    1376.2,       0.0);
     ( 585123.7, 5263457.7,     272.3,    1376.2,       0.0);         ( 585051.9,
5263601.3,     268.1,    1376.2,       0.0);
     ( 584788.6, 5263592.1,     273.1,     989.4,       0.0);         ( 584724.2,
5263641.8,     274.8,     989.4,       0.0);
     ( 584543.8, 5263652.8,     279.2,     988.9,       0.0);         ( 584416.8,
5263610.5,     286.7,     916.0,       0.0);
     ( 584400.2, 5263719.1,     282.2,     916.0,       0.0);         ( 584457.3,
5263768.8,     278.0,     691.6,       0.0);
     ( 584451.8, 5263789.1,     277.7,     691.6,       0.0);         ( 584429.7,
5263916.1,     276.0,     691.6,       0.0);
     ( 584374.5, 5264081.7,     268.9,     691.6,       0.0);         ( 584389.2,
5264157.2,     265.1,     691.6,       0.0);
     ( 584623.0, 5264000.8,     259.9,     800.4,       0.0);         ( 584716.8,
5263921.6,     259.4,     989.4,       0.0);
     ( 584744.5, 5263767.0,     266.5,     989.4,       0.0);         ( 584803.4,
5263761.5,     264.4,     989.4,       0.0);
     ( 584840.2, 5263774.3,     263.6,     989.4,       0.0);         ( 584851.2,
5263737.5,     264.8,     989.4,       0.0);
     ( 584935.9, 5263759.6,     258.8,    1376.2,       0.0);         ( 585077.6,
5263765.1,     257.9,    1376.2,       0.0);
     ( 585256.2, 5263744.9,     259.8,    1376.2,       0.0);

↑ *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        11:09:37

                                           PAGE  24
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                            *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                              (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

Surface file: ..\archive\AERMOD_MET2528293_94248_94240_2019_2023\MET2528293_2019_2023.SFC
Met Version: 24142
Profile file: ..\archive\AERMOD_MET2528293_94248_94240_2019_2023\MET2528293_2019_2023.PFL
Surface format: FREE

Profile format: FREE

Surface station no.: 94248 Upper air station no.: 94240
Name: UNKNOWN Name: QUILLAYUTE/WSO_AIRPORT
Year: 2019 Year: 2019

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
19	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.14	0.80	1.00	0.00	0.	7.9	273.1	2.0
19	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.14	0.80	1.00	0.00	0.	7.9	273.8	2.0
19	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.14	0.80	1.00	0.00	0.	7.9	274.2	2.0
19	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.14	0.80	1.00	0.00	0.	7.9	274.8	2.0

```
 19 01 01   1 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.14   0.80
1.00    0.00    0.    7.9  274.8    2.0
 19 01 01   1 06  -16.6  0.164 -9.000 -9.000 -999.  159.     29.6  0.06   0.80
1.00    2.13  134.    7.9  274.2    2.0
 19 01 01   1 07  -10.6  0.130 -9.000 -9.000 -999.  113.     19.0  0.06   0.80
1.00    1.72  126.    7.9  274.2    2.0
 19 01 01   1 08  -10.5  0.138 -9.000 -9.000 -999.  123.     22.9  0.39   0.80
1.00    1.04  119.    7.9  274.2    2.0
 19 01 01   1 09   -4.9  0.089 -9.000 -9.000 -999.   64.     13.0  0.06   0.80
0.59    1.23  162.    7.9  274.8    2.0
 19 01 01   1 10   -6.0  0.136 -9.000 -9.000 -999.  120.     38.5  0.06   0.80
0.38    1.79  151.    7.9  275.3    2.0
 19 01 01   1 11    2.6  0.101  0.129  0.010   31.   77.    -37.1  0.06   0.80
0.29    1.14  171.    7.9  276.4    2.0
 19 01 01   1 12   46.7  0.100  0.539  0.008  123.   76.     -2.0  0.04   0.80
0.26    0.84  209.    7.9  278.1    2.0
 19 01 01   1 13   49.5  0.135  0.609  0.005  167.  119.     -4.5  0.08   0.80
0.26    1.11  291.    7.9  279.8    2.0
 19 01 01   1 14    4.9  0.149  0.285  0.005  170.  138.    -61.2  0.05   0.80
0.28    1.74  322.    7.9  279.2    2.0
 19 01 01   1 15   11.2  0.134  0.380  0.005  178.  118.    -19.7  0.05   0.80
0.34    1.45  312.    7.9  279.2    2.0
 19 01 01   1 16   -4.9  0.115 -9.000 -9.000 -999.   94.     28.7  0.08   0.80
0.48    1.42  286.    7.9  278.8    2.0
 19 01 01   1 17   -4.0  0.081 -9.000 -9.000 -999.   55.     12.0  0.08   0.80
1.00    1.03  272.    7.9  277.5    2.0
 19 01 01   1 18   -2.7  0.069 -9.000 -9.000 -999.   43.     10.9  0.07   0.80
1.00    0.82  256.    7.9  276.4    2.0
 19 01 01   1 19   -3.8  0.078 -9.000 -9.000 -999.   52.     11.2  0.06   0.80
1.00    1.06  150.    7.9  275.9    2.0
 19 01 01   1 20   -7.6  0.109 -9.000 -9.000 -999.   87.     15.6  0.06   0.80
1.00    1.50  176.    7.9  274.8    2.0
 19 01 01   1 21   -7.2  0.106 -9.000 -9.000 -999.   83.     15.3  0.06   0.80
1.00    1.43  131.    7.9  274.2    2.0
 19 01 01   1 22  -11.1  0.133 -9.000 -9.000 -999.  117.     19.6  0.06   0.80
1.00    1.76  134.    7.9  274.2    2.0
 19 01 01   1 23  -23.7  0.226 -9.000 -9.000 -999.  259.     56.4  0.39   0.80
1.00    1.65  116.    7.9  274.2    2.0
 19 01 01   1 24   -5.5  0.093 -9.000 -9.000 -999.   82.     13.2  0.06   0.80
1.00    1.25  129.    7.9  273.1    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 19 01 01 01    7.9 1 -999.  -99.00   273.2   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
585135.94	5263476.00	53.25522	(19110322)	585110.94	5263501.00	54.66562	(20070722)
585135.94	5263501.00	56.35762	(20070722)	585160.94	5263501.00	55.93342	(19110322)
585260.94	5263501.00	76.11418	(20102508)	585285.94	5263501.00	77.71197	(20102620)
585310.94	5263501.00	81.66644	(22012510)	585110.94	5263526.00	56.21781	(21021719)
585135.94	5263526.00	58.37485	(20070722)	585160.94	5263526.00	60.18205	(20070722)
585185.94	5263526.00	61.55448	(19110322)	585210.94	5263526.00	59.41793	(20120205)
585260.94	5263526.00	80.84905	(20102508)	585285.94	5263526.00	83.35484	(19052221)
585310.94	5263526.00	82.86010	(21081224)	585085.94	5263551.00	57.98595	(19052120)
585110.94	5263551.00	58.70396	(21021719)	585135.94	5263551.00	57.68286	(21021719)
585160.94	5263551.00	63.47044	(20070722)	585185.94	5263551.00	65.70185	(19110322)
585210.94	5263551.00	63.13574	(21092122)	585235.94	5263551.00	68.55716	(22012604)
585260.94	5263551.00	81.19790	(22120307)	585285.94	5263551.00	87.48606	(20102508)
585310.94	5263551.00	87.90179	(20102620)	585085.94	5263576.00	65.72660	(19052120)
585110.94	5263576.00	57.95212	(19052120)	585135.94	5263576.00	60.80607	(21021719)
585160.94	5263576.00	62.25550	(20070722)	585185.94	5263576.00	67.41121	(20070722)
585210.94	5263576.00	67.65030	(19110322)	585235.94			

```
5263576.00       66.93742  (20120205)
        585260.94   5263576.00       84.13582  (22120307)                585285.94
5263576.00       93.66515  (20102508)
        585310.94   5263576.00       95.31723  (19052221)                584785.94
5263601.00       48.55536  (23092902)
        584810.94   5263601.00       51.02637  (23092902)                584835.94
5263601.00       53.84894  (22011703)
        584860.94   5263601.00       62.85536  (22011703)                584885.94
5263601.00       65.66135  (22011703)
        584910.94   5263601.00       61.92125  (22011703)                584935.94
5263601.00       55.72200  (21041406)
        584960.94   5263601.00       54.84562  (23083102)                584985.94
5263601.00       63.94099  (19111124)
        585010.94   5263601.00       72.10800  (19111124)                585035.94
5263601.00       70.14215  (19111124)
        585060.94   5263601.00       66.84816  (19011306)                585085.94
5263601.00       68.85594  (19052120)
        585110.94   5263601.00       65.94675  (19052120)                585135.94
5263601.00       59.71013  (21021719)
        585160.94   5263601.00       62.67227  (21021719)                585185.94
5263601.00       67.84132  (20070722)
        585210.94   5263601.00       69.99430  (20070722)                585235.94
5263601.00       72.14962  (19110322)
        585260.94   5263601.00       77.20698  (19092906)                585285.94
5263601.00       99.18214  (22120307)
        585310.94   5263601.00      100.46220  (22062323)                584435.94
5263626.00       23.15262  (20030901)
        584460.94   5263626.00       23.22366  (20030901)                584760.94
5263626.00       41.76130  (23092902)
        584785.94   5263626.00       49.72280  (23092902)                584810.94
5263626.00       56.57091  (23092902)
        584835.94   5263626.00       59.68303  (23092902)                584860.94
5263626.00       62.75364  (22011703)
        584885.94   5263626.00       72.62802  (22011703)                584910.94
5263626.00       74.89049  (22011703)
        584935.94   5263626.00       71.87062  (22011703)                584960.94
5263626.00       60.90037  (22011703)
        584985.94   5263626.00       58.28641  (23083102)                585010.94
5263626.00       70.58753  (19111124)
        585035.94   5263626.00       73.26791  (19111124)                585060.94
5263626.00       72.85087  (19111124)
        585085.94   5263626.00       70.11754  (19011306)                585110.94
5263626.00       69.90312  (19052120)
        585135.94   5263626.00       65.03928  (19052120)                585160.94
5263626.00       62.63014  (21021719)
        585185.94   5263626.00       66.99592  (21021719)                585210.94
5263626.00       74.30640  (20070722)
        585235.94   5263626.00       77.45357  (19110322)                585260.94
5263626.00       80.14188  (19110322)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
```

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        585285.94   5263626.00   98.14635 (22120307)   585310.94
5263626.00   107.52282 (22062323)
        584410.94   5263651.00   24.20382 (22091423)   584435.94
5263651.00   25.24194 (22030904)
        584460.94   5263651.00   26.22521 (22030904)   584485.94
5263651.00   27.96168 (23010717)
        584510.94   5263651.00   28.64487 (23010717)   584535.94
5263651.00   26.44502 (19083121)
        584585.94   5263651.00   34.26798 (19083121)   584610.94
5263651.00   37.18012 (19083121)
        584635.94   5263651.00   39.19218 (22071706)   584660.94
5263651.00   41.13199 (22071706)
        584685.94   5263651.00   42.67947 (22071706)   584710.94
5263651.00   42.65554 (19011522)
        584735.94   5263651.00   42.13587 (19011522)   584760.94
5263651.00   41.03389 (19011522)
        584785.94   5263651.00   48.13432 (23092902)   584810.94
5263651.00   58.10329 (23092902)
        584835.94   5263651.00   65.10039 (23092902)   584860.94
5263651.00   72.04113 (23092902)
        584885.94   5263651.00   74.06211 (22011703)   584910.94
5263651.00   83.11373 (22011703)
        584935.94   5263651.00   84.44950 (22011703)   584960.94
5263651.00   79.15461 (22011703)
        584985.94   5263651.00   67.47611 (22011703)   585010.94
5263651.00   64.34008 (19111124)
        585035.94   5263651.00   72.88392 (19111124)   585060.94
5263651.00   78.20238 (19111124)
        585085.94   5263651.00   77.71566 (19111124)   585110.94

5263651.00 68.75979 (19011306)
585135.94 5263651.00 69.77661 (19052120) 585160.94
5263651.00 65.84797 (19052120)
585185.94 5263651.00 70.31627 (21021719) 585210.94
5263651.00 75.81126 (20070722)
585235.94 5263651.00 81.84421 (20070722) 585260.94
5263651.00 89.32030 (19110322)
585285.94 5263651.00 88.78535 (20120205) 585310.94
5263651.00 112.16866 (22120307)
584410.94 5263676.00 26.03847 (23061020) 584435.94
5263676.00 26.18532 (22091423)
584460.94 5263676.00 27.68356 (22030904) 584485.94
5263676.00 30.33579 (23010717)
584510.94 5263676.00 33.69396 (23010717) 584535.94
5263676.00 32.99961 (23010717)
584560.94 5263676.00 30.35868 (23010717) 584585.94
5263676.00 31.99362 (19083121)
584610.94 5263676.00 36.79966 (19083121) 584635.94
5263676.00 39.96139 (19083121)
584660.94 5263676.00 42.30615 (19083121) 584685.94
5263676.00 45.44351 (19083121)
584710.94 5263676.00 48.39657 (19083121) 584735.94
5263676.00 48.72678 (19011522)
584760.94 5263676.00 49.03715 (19011522) 584785.94
5263676.00 49.02229 (19011522)
584810.94 5263676.00 55.90755 (23092902) 584835.94
5263676.00 66.24563 (23092902)
584860.94 5263676.00 78.57931 (23092902) 584885.94
5263676.00 87.12524 (22032401)
584910.94 5263676.00 81.89113 (22032401) 584935.94
5263676.00 89.62900 (22011703)
584960.94 5263676.00 94.16603 (22011703) 584985.94
5263676.00 86.96562 (22011703)
585010.94 5263676.00 73.62738 (22011703) 585035.94
5263676.00 66.67818 (19111124)
585060.94 5263676.00 79.38018 (19111124) 585085.94
5263676.00 89.66836 (19111124)
585110.94 5263676.00 87.91949 (19111124) 585135.94
5263676.00 84.11627 (19011306)
585160.94 5263676.00 86.37468 (19052120) 585185.94
5263676.00 75.15277 (19052120)
585210.94 5263676.00 81.03747 (21021719) 585235.94
5263676.00 87.18649 (20070722)
585260.94 5263676.00 94.80938 (19110322) 585285.94
5263676.00 97.64187 (19110322)
585310.94 5263676.00 105.35686 (22120307) 585335.94
5263676.00 114.28133 (22062323)
584410.94 5263701.00 28.50419 (21122110) 584435.94
5263701.00 31.12815 (23061020)
584460.94 5263701.00 32.31405 (23061020) 584485.94

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        584510.94   5263701.00   34.98234 (23010717)   584535.94
5263701.00   38.44551 (23010717)
        584560.94   5263701.00   38.20211 (23010717)   584585.94
5263701.00   37.16742 (23010717)
        584610.94   5263701.00   35.85904 (23121519)   584635.94
5263701.00   40.34764 (19083121)
        584660.94   5263701.00   46.28534 (19083121)   584685.94
5263701.00   50.62991 (19083121)
        584710.94   5263701.00   55.07554 (19083121)   584735.94
5263701.00   58.18449 (19083121)
        584760.94   5263701.00   58.37000 (19083121)   584785.94
5263701.00   57.23210 (19011522)
        584810.94   5263701.00   58.16384 (19011522)   584835.94
5263701.00   61.76506 (23092902)
        584860.94   5263701.00   75.96970 (23092902)   584885.94
5263701.00   91.77913 (22032401)
        584910.94   5263701.00   94.29934 (22032401)   584935.94
5263701.00   92.08223 (22032401)
        584960.94   5263701.00   99.06434 (19012921)   584985.94
5263701.00   101.42450 (22011703)
        585010.94   5263701.00   95.20972 (22011703)   585035.94
5263701.00   77.79736 (22011703)
        585060.94   5263701.00   73.92800 (19111124)   585085.94
5263701.00   90.63999 (19111124)
        585110.94   5263701.00   98.43554 (19111124)   585135.94
5263701.00   105.80390 (19011306)
        585160.94   5263701.00   107.37015 (19011306)   585185.94

5263701.00 92.05803 (19052120)
585210.94 5263701.00 82.97636 (21021719) 585235.94
5263701.00 89.55001 (21021719)
585260.94 5263701.00 99.63287 (20070722) 585285.94
5263701.00 110.14062 (19110322)
585310.94 5263701.00 107.87162 (19110322) 585335.94
5263701.00 131.48231 (22120307)
584410.94 5263726.00 29.92897 (21122110) 584435.94
5263726.00 32.63292 (23061020)
584460.94 5263726.00 35.46221 (23061020) 584485.94
5263726.00 36.15142 (23061020)
584510.94 5263726.00 36.90058 (23061020) 584535.94
5263726.00 37.56244 (23061020)
584560.94 5263726.00 40.36967 (23010717) 584585.94
5263726.00 43.35953 (23010717)
584610.94 5263726.00 43.59177 (23010717) 584635.94
5263726.00 44.19339 (23121519)
584660.94 5263726.00 46.48737 (23121519) 584685.94
5263726.00 53.71645 (19083121)
584710.94 5263726.00 59.33268 (19083121) 584735.94
5263726.00 64.04035 (19083121)
584760.94 5263726.00 71.26797 (19083121) 584785.94
5263726.00 68.85397 (19083121)
584810.94 5263726.00 64.08980 (19083121) 584835.94
5263726.00 64.57645 (19011522)
584860.94 5263726.00 67.43530 (23092902) 584885.94
5263726.00 89.13225 (19011307)
584910.94 5263726.00 98.33359 (22032401) 584935.94
5263726.00 103.42766 (22032401)
584960.94 5263726.00 101.01094 (22032401) 584985.94
5263726.00 107.68529 (19012921)
585010.94 5263726.00 112.52585 (19012921) 585035.94
5263726.00 101.24582 (22011703)
585060.94 5263726.00 86.49606 (19012921) 585085.94
5263726.00 82.78033 (19111124)
585110.94 5263726.00 101.80771 (19111124) 585135.94
5263726.00 125.85232 (19111124)
585160.94 5263726.00 140.33907 (19011306) 585185.94
5263726.00 117.48756 (19011306)
585210.94 5263726.00 103.82806 (19052120) 585235.94
5263726.00 99.17497 (21021719)
585260.94 5263726.00 103.70898 (20070722) 585285.94
5263726.00 124.04681 (20070722)
584460.94 5263751.00 33.87144 (23061020) 584485.94
5263751.00 36.65195 (23061020)
584510.94 5263751.00 38.62099 (23061020) 584535.94
5263751.00 40.64245 (23061020)
584560.94 5263751.00 43.68295 (23061020) 584585.94
5263751.00 45.56991 (23061020)
584610.94 5263751.00 46.88101 (23010717) 584635.94

5263751.00   50.19225 (23010717)
        584660.94   5263751.00   57.70572 (23121519)   584685.94
5263751.00   63.21460 (23121519)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   STCK1   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
584710.94	5263751.00	60.37484	(23121519)	584735.94	5263751.00	64.16265	(19083121)
584760.94	5263751.00	77.83082	(19083121)	584785.94	5263751.00	81.17934	(19083121)
584810.94	5263751.00	76.94547	(19083121)	584835.94	5263751.00	72.75674	(19083121)
584910.94	5263751.00	94.64851	(19011307)	584935.94	5263751.00	112.58740	(19011307)
584960.94	5263751.00	121.09984	(19011307)	584985.94	5263751.00	119.57016	(19011307)
585010.94	5263751.00	123.35001	(19012921)	585035.94	5263751.00	121.06726	(19012921)
585060.94	5263751.00	116.50362	(19012921)	585085.94	5263751.00	105.77155	(19012921)
585110.94	5263751.00	107.57589	(19111124)	585135.94	5263751.00	141.93890	(19111124)
585160.94	5263751.00	164.66973	(19111124)	585185.94	5263751.00	165.55876	(19011306)
584460.94	5263776.00	31.68415	(21122110)	584485.94	5263776.00	33.42559	(21122110)
584510.94	5263776.00	36.81972	(23061020)	584535.94	5263776.00	40.48906	(23061020)
584560.94	5263776.00	45.21256	(23061020)	584585.94	5263776.00	50.17675	(23061020)
584610.94	5263776.00	52.49980	(23061020)	584635.94			

5263776.00 55.30995 (23061020)
584660.94 5263776.00 62.09019 (23121519) 584685.94
5263776.00 69.05977 (23121519)
584710.94 5263776.00 70.62727 (23121519) 584735.94
5263776.00 71.76551 (23121519)
584460.94 5263801.00 32.38282 (19120605) 584485.94
5263801.00 31.18659 (21122110)
584510.94 5263801.00 33.61868 (21122110) 584535.94
5263801.00 36.58656 (23061020)
584560.94 5263801.00 42.20875 (23061020) 584585.94
5263801.00 49.60527 (23061020)
584610.94 5263801.00 56.76003 (23061020) 584635.94
5263801.00 64.42779 (23061020)
584660.94 5263801.00 71.90720 (22051505) 584685.94
5263801.00 69.13992 (22051505)
584710.94 5263801.00 71.64322 (23121519) 584735.94
5263801.00 82.58276 (23121519)
584460.94 5263826.00 40.08651 (19120605) 584485.94
5263826.00 38.31623 (19120605)
584510.94 5263826.00 36.82428 (19120605) 584535.94
5263826.00 34.98275 (19120605)
584560.94 5263826.00 35.95597 (21122110) 584585.94
5263826.00 45.41474 (23061020)
584610.94 5263826.00 55.41108 (23061020) 584635.94
5263826.00 64.36809 (23061020)
584660.94 5263826.00 78.15986 (22051505) 584685.94
5263826.00 83.18889 (22051505)
584710.94 5263826.00 83.80792 (22051505) 584460.94
5263851.00 48.19939 (19120605)
584485.94 5263851.00 47.57804 (19120605) 584510.94
5263851.00 46.44388 (19120605)
584535.94 5263851.00 44.84122 (19120605) 584560.94
5263851.00 43.36763 (19120605)
584585.94 5263851.00 43.22702 (19120605) 584610.94
5263851.00 49.74986 (23061020)
584635.94 5263851.00 60.71534 (22051505) 584660.94
5263851.00 75.41498 (22051505)
584685.94 5263851.00 88.52037 (22051505) 584710.94
5263851.00 97.25562 (22051505)
584460.94 5263876.00 54.57584 (19120605) 584485.94
5263876.00 55.25037 (19120605)
584510.94 5263876.00 55.52919 (19120605) 584535.94
5263876.00 54.61082 (19120605)
584560.94 5263876.00 53.87216 (19120605) 584585.94
5263876.00 53.70840 (19120605)
584610.94 5263876.00 53.28305 (19120605) 584635.94
5263876.00 51.73398 (19120605)
584660.94 5263876.00 66.49745 (22051505) 584685.94
5263876.00 81.18123 (22051505)
584710.94 5263876.00 94.44306 (22051505) 584435.94

```
5263901.00       56.99635  (19120605)
        584460.94   5263901.00       59.27660  (19120605)                584485.94
5263901.00       60.85115  (19120605)
        584510.94   5263901.00       62.51423  (19120605)                584535.94
5263901.00       62.90713  (19120605)
↑ *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        11:09:37

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

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                               *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        584560.94   5263901.00       63.06824  (19120605)                584585.94
5263901.00       63.27139  (19120605)
        584610.94   5263901.00       63.05510  (19120605)                584635.94
5263901.00       61.92723  (19120605)
        584660.94   5263901.00       59.77279  (19120605)                584685.94
5263901.00       65.37290  (22051505)
        584710.94   5263901.00       79.98045  (22051505)                584435.94
5263926.00       59.79286  (19120605)
        584460.94   5263926.00       62.87330  (19120605)                584485.94
5263926.00       65.13371  (19120605)
        584510.94   5263926.00       67.21336  (19120605)                584535.94
5263926.00       68.86774  (19120605)
        584560.94   5263926.00       70.19712  (19120605)                584585.94
5263926.00       71.13507  (19120605)
        584610.94   5263926.00       71.21343  (19120605)                584635.94
5263926.00       70.46944  (19120605)
        584660.94   5263926.00       68.58041  (19011303)                584685.94
5263926.00       68.07578  (19011303)
        584710.94   5263926.00       67.36965  (19011303)                584435.94
5263951.00       60.65452  (19120605)
        584460.94   5263951.00       64.75783  (19120605)                584485.94
5263951.00       67.97447  (19120605)
        584510.94   5263951.00       69.85201  (19120605)                584535.94
```

5263951.00 72.16569 (19120605)
584560.94 5263951.00 74.62265 (19120605) 584585.94
5263951.00 76.08600 (19120605)
584610.94 5263951.00 76.64866 (19120605) 584635.94
5263951.00 76.28971 (19120605)
584660.94 5263951.00 75.20760 (19120605) 584410.94
5263976.00 53.43847 (19120605)
584435.94 5263976.00 57.13233 (19120605) 584460.94
5263976.00 60.86922 (19120605)
584485.94 5263976.00 64.58613 (19120605) 584510.94
5263976.00 68.45696 (19120605)
584535.94 5263976.00 72.50866 (19120605) 584560.94
5263976.00 75.76283 (22050124)
584585.94 5263976.00 78.57275 (22050124) 584610.94
5263976.00 79.59547 (22050124)
584635.94 5263976.00 82.76713 (22050124) 584410.94
5264001.00 48.23166 (19120605)
584435.94 5264001.00 51.94026 (19120605) 584460.94
5264001.00 55.72448 (19120605)
584485.94 5264001.00 59.72589 (19120605) 584510.94
5264001.00 64.33819 (19120605)
584535.94 5264001.00 69.39554 (22050124) 584560.94
5264001.00 76.39961 (22050124)
584585.94 5264001.00 80.79106 (22050124) 584610.94
5264001.00 87.93710 (22050124)
584410.94 5264026.00 50.46486 (20122803) 584435.94
5264026.00 50.91356 (20122803)
584460.94 5264026.00 51.10547 (20122803) 584485.94
5264026.00 55.89261 (21010817)
584510.94 5264026.00 65.98742 (21010817) 584535.94
5264026.00 73.72552 (21010817)
584560.94 5264026.00 75.81795 (21010817) 584385.94
5264051.00 54.78755 (20122803)
584410.94 5264051.00 57.07646 (20122803) 584435.94
5264051.00 59.46938 (20122803)
584460.94 5264051.00 61.62287 (20122803) 584485.94
5264051.00 64.84441 (20122803)
584510.94 5264051.00 77.49261 (20122803) 584535.94
5264051.00 82.39396 (20122803)
584385.94 5264076.00 54.02935 (20122803) 584410.94
5264076.00 57.50331 (20122803)
584435.94 5264076.00 61.75321 (20122803) 584460.94
5264076.00 66.08806 (20122803)
584485.94 5264076.00 71.59313 (20122803) 584385.94
5264101.00 47.72259 (20122803)
584410.94 5264101.00 52.09669 (20122803) 584435.94
5264101.00 57.33283 (20122803)
584460.94 5264101.00 64.95473 (20122803) 584385.94
5264126.00 60.17027 (22012304)
584410.94 5264126.00 63.55805 (22012304) 584485.94

5264426.00   90.60423 (22031405)
        584510.94   5264426.00   93.11380 (22031405)   584485.94
5264451.00   83.76565 (23120521)
        584510.94   5264451.00   85.10305 (23120521)   584535.94
5264451.00   87.45521 (23120521)
        584460.94   5264476.00   80.79521 (23120521)   584485.94
5264476.00   80.56167 (23120521)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   STCK1   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        584510.94   5264476.00   80.29110 (23120521)   584535.94
5264476.00   81.16352 (23120521)
        584560.94   5264476.00   81.80715 (23120521)   584485.94
5264501.00   79.20544 (22010905)
        584510.94   5264501.00   80.11916 (22010905)   584535.94
5264501.00   82.46719 (22010905)
        584560.94   5264501.00   83.23169 (22010905)   584585.94
5264501.00   81.66796 (22010905)
        584510.94   5264526.00   83.79298 (19012905)   584535.94
5264526.00   86.47965 (19012905)
        584560.94   5264526.00   87.10032 (19012905)   584585.94
5264526.00   85.45555 (19012905)
        584610.94   5264526.00   83.11995 (19012905)   584635.94
5264526.00   81.51119 (19012905)
        584535.94   5264551.00   80.93733 (19012905)   584560.94
5264551.00   80.85506 (19101202)
        584585.94   5264551.00   82.69933 (19101202)   584610.94
5264551.00   84.28537 (19101202)
        584635.94   5264551.00   86.71056 (19101202)   584660.94
5264551.00   84.02927 (19101202)
        584535.94   5264576.00   80.39495 (19101202)   584560.94

```
5264576.00       80.89216  (19101202)
        584585.94   5264576.00       82.50020  (19101202)                584610.94
5264576.00       87.40860  (19101202)
        584635.94   5264576.00       90.07096  (19101202)                584660.94
5264576.00       85.24444  (23031801)
        584685.94   5264576.00       66.99308  (19101202)                584710.94
5264576.00       57.10905  (23031801)
        584535.94   5264601.00       73.77820  (19101202)                584560.94
5264601.00       73.91650  (23031801)
        584585.94   5264601.00       77.15531  (23031801)                584610.94
5264601.00       92.38073  (23031801)
        584635.94   5264601.00       96.51206  (23031801)                584660.94
5264601.00       85.97280  (23031801)
        584685.94   5264601.00       65.65392  (23031801)                584710.94
5264601.00       61.87347  (22042505)
        584735.94   5264601.00       63.11082  (23122415)                584760.94
5264601.00       67.71972  (23122415)
        586785.94   5264601.00      107.44719  (21021103)                586810.94
5264601.00      103.58023  (21051205)
        586835.94   5264601.00      101.16561  (21051205)                586860.94
5264601.00       98.58045  (21051205)
        586885.94   5264601.00       95.87278  (21051205)                586910.94
5264601.00       94.13365  (22121020)
        584510.94   5264626.00       71.01952  (23031801)                584535.94
5264626.00       74.25440  (23031801)
        584560.94   5264626.00       72.15013  (23031801)                584585.94
5264626.00       71.72685  (23031801)
        584610.94   5264626.00       84.04265  (23031801)                584635.94
5264626.00       86.94543  (23031801)
        584660.94   5264626.00       75.50885  (22020907)                584685.94
5264626.00       70.64427  (22020907)
        584710.94   5264626.00       72.36143  (22020907)                584735.94
5264626.00       74.57234  (23122415)
        584760.94   5264626.00       77.50526  (23122415)                584785.94
5264626.00       80.07740  (23122415)
        584810.94   5264626.00       81.24841  (23122415)                586760.94
5264626.00      119.06534  (21021103)
        586785.94   5264626.00      114.58294  (21021103)                586810.94
5264626.00      109.88917  (21021103)
        586835.94   5264626.00      105.05972  (21021103)                586860.94
5264626.00      100.16116  (21021103)
        586885.94   5264626.00       95.25049  (21021103)                586910.94
5264626.00       91.43524  (21061104)
        584485.94   5264651.00       65.63880  (23031801)                584510.94
5264651.00       67.42623  (23031801)
        584535.94   5264651.00       65.48444  (23031801)                584560.94
5264651.00       66.22610  (22020907)
        584585.94   5264651.00       68.59770  (22020907)                584610.94
5264651.00       76.75708  (22020907)
        584635.94   5264651.00       83.32350  (22020907)                584660.94
```

5264651.00   78.12124 (22020907)
        584685.94   5264651.00   73.74478 (22020907)   584710.94
5264651.00   75.90573 (23122415)
        584735.94   5264651.00   77.32957 (23122415)   584760.94
5264651.00   77.70802 (23122415)
        584785.94   5264651.00   77.06385 (23122415)   584810.94
5264651.00   74.78201 (23122415)
        584835.94   5264651.00   71.52862 (23122415)   584860.94
5264651.00   67.64046 (23122415)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        586735.94   5264651.00   118.59063 (21021103)   586760.94
5264651.00   116.76281 (21021103)
        586785.94   5264651.00   114.40052 (21021103)   586810.94
5264651.00   111.58671 (21021103)
        586835.94   5264651.00   108.40132 (21021103)   586860.94
5264651.00   104.91941 (21021103)
        586885.94   5264651.00   101.20998 (21021103)   586910.94
5264651.00   97.33442 (21021103)
        584485.94   5264676.00   60.24345 (22020907)   584510.94
5264676.00   65.00303 (22020907)
        584535.94   5264676.00   69.32383 (22020907)   584560.94
5264676.00   70.33131 (22020907)
        584585.94   5264676.00   70.49169 (22020907)   584610.94
5264676.00   72.77538 (22020907)
        584635.94   5264676.00   77.47602 (22010907)   584660.94
5264676.00   77.14665 (22010907)
        584685.94   5264676.00   77.17846 (22010907)   584710.94
5264676.00   78.40000 (22010907)
        584735.94   5264676.00   73.84841 (22010907)   584760.94

5264676.00 71.56678 (22111423)
584785.94 5264676.00 71.09094 (22111423) 584810.94
5264676.00 68.18454 (22111423)
584835.94 5264676.00 64.70613 (22111423) 584860.94
5264676.00 63.28226 (23032107)
584885.94 5264676.00 67.19455 (23032107) 584910.94
5264676.00 72.52008 (23032107)
586135.94 5264676.00 316.50859 (21012721) 586710.94
5264676.00 120.64505 (23032106)
586735.94 5264676.00 115.75816 (21030921) 586760.94
5264676.00 112.73905 (21030921)
586785.94 5264676.00 109.27868 (21030921) 586810.94
5264676.00 106.42171 (21021103)
586835.94 5264676.00 105.21174 (21021103) 586860.94
5264676.00 103.53509 (21021103)
584460.94 5264701.00 58.43496 (22020907) 584485.94
5264701.00 60.73995 (22020907)
584510.94 5264701.00 63.42300 (22020907) 584535.94
5264701.00 65.52103 (22020907)
584560.94 5264701.00 69.80052 (22010907) 584585.94
5264701.00 73.63975 (22010907)
584610.94 5264701.00 73.88904 (22010907) 584635.94
5264701.00 76.65353 (22010907)
584660.94 5264701.00 76.40495 (22010907) 584685.94
5264701.00 75.10722 (22111423)
584710.94 5264701.00 79.40803 (22111423) 584735.94
5264701.00 77.65812 (22111423)
584760.94 5264701.00 76.03481 (22111423) 584785.94
5264701.00 71.59154 (23032107)
584810.94 5264701.00 72.36113 (23032107) 584835.94
5264701.00 71.57978 (23032107)
584860.94 5264701.00 69.08496 (23032107) 584885.94
5264701.00 69.54742 (20082905)
584910.94 5264701.00 71.08617 (20082905) 584935.94
5264701.00 72.70936 (23012121)
584960.94 5264701.00 77.56705 (23012121) 584985.94
5264701.00 108.23338 (19011304)
586135.94 5264701.00 302.01509 (19051604) 586160.94
5264701.00 289.07604 (23113016)
586185.94 5264701.00 280.71324 (21012721) 586210.94
5264701.00 267.14244 (22022521)
586685.94 5264701.00 125.59344 (23032106) 586710.94
5264701.00 122.68969 (23032106)
586735.94 5264701.00 118.88381 (23032106) 586760.94
5264701.00 114.34862 (23032106)
586785.94 5264701.00 109.24971 (23032106) 586810.94
5264701.00 104.77605 (21030921)
586835.94 5264701.00 102.34417 (21030921) 584435.94
5264726.00 55.54488 (23122415)
584460.94 5264726.00 57.32821 (23122415) 584485.94

5264726.00   58.83783 (23122415)
        584510.94   5264726.00   61.75425 (22010907)   584535.94
5264726.00   66.27218 (22010907)
        584560.94   5264726.00   69.93914 (22010907)   584585.94
5264726.00   72.66432 (22010907)
        584610.94   5264726.00   72.68543 (22010907)   584635.94
5264726.00   76.87614 (22111423)
        584660.94   5264726.00   77.90533 (22111423)   584685.94
5264726.00   79.40463 (22111423)
        584710.94   5264726.00   80.13036 (22111423)   584735.94
5264726.00   81.27189 (23032107)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        584760.94   5264726.00   82.95895 (23032107)   584785.94
5264726.00   80.52998 (23032107)
        584810.94   5264726.00   76.10923 (23032107)   584835.94
5264726.00   70.48659 (20082905)
        584860.94   5264726.00   69.00612 (21102724)   584885.94
5264726.00   71.26935 (23012121)
        584910.94   5264726.00   72.04559 (23012121)   584935.94
5264726.00   76.64570 (23010110)
        584960.94   5264726.00   92.02711 (20122724)   584985.94
5264726.00   121.26310 (20122724)
        585010.94   5264726.00   108.60739 (20122724)   585035.94
5264726.00   111.56882 (19021909)
        585060.94   5264726.00   117.07594 (19021909)   585085.94
5264726.00   135.94446 (22062306)
        586110.94   5264726.00   319.36660 (22030303)   586135.94
5264726.00   300.92393 (22030303)
        586160.94   5264726.00   279.77438 (19051604)   586185.94

5264726.00 267.27477 (22091020)
586210.94 5264726.00 258.58098 (21012721) 586235.94
5264726.00 244.99266 (21012721)
586260.94 5264726.00 238.24782 (22022521) 586685.94
5264726.00 125.86321 (22032520)
586710.94 5264726.00 121.27045 (22032520) 586735.94
5264726.00 116.63606 (22011918)
586760.94 5264726.00 113.69182 (23032106) 586785.94
5264726.00 111.12980 (23032106)
586810.94 5264726.00 107.83222 (23032106) 584410.94
5264751.00 54.03287 (23122415)
584435.94 5264751.00 54.97026 (23122415) 584460.94
5264751.00 56.78252 (22010907)
584485.94 5264751.00 58.30807 (22010907) 584510.94
5264751.00 59.88838 (22010907)
584535.94 5264751.00 61.52442 (22010907) 584560.94
5264751.00 66.16124 (22111423)
584585.94 5264751.00 71.73604 (22111423) 584610.94
5264751.00 74.38849 (22111423)
584635.94 5264751.00 76.22359 (22111423) 584660.94
5264751.00 78.08996 (23032107)
584685.94 5264751.00 82.73290 (23032107) 584710.94
5264751.00 84.31224 (23032107)
584735.94 5264751.00 85.58849 (23032107) 584760.94
5264751.00 83.15252 (23032107)
584785.94 5264751.00 76.50373 (23032107) 584810.94
5264751.00 73.66783 (23012121)
584835.94 5264751.00 75.05135 (23012121) 584860.94
5264751.00 75.91569 (19011304)
584885.94 5264751.00 76.73724 (20122724) 584910.94
5264751.00 85.31824 (20122724)
584935.94 5264751.00 94.98638 (20122724) 584960.94
5264751.00 103.06441 (20122724)
584985.94 5264751.00 117.94890 (20092124) 585010.94
5264751.00 117.04914 (20092124)
585035.94 5264751.00 115.08824 (22062306) 585060.94
5264751.00 141.98820 (22062306)
585085.94 5264751.00 157.33697 (22062306) 585110.94
5264751.00 157.94502 (22062306)
585135.94 5264751.00 157.00360 (21012010) 585160.94
5264751.00 170.77620 (21012010)
585185.94 5264751.00 185.83141 (23091607) 585210.94
5264751.00 217.52915 (22072906)
585235.94 5264751.00 229.31001 (22021417) 586110.94
5264751.00 310.12053 (21122723)
586135.94 5264751.00 292.31918 (22030303) 586160.94
5264751.00 279.09569 (22030303)
586185.94 5264751.00 259.51136 (19051604) 586210.94
5264751.00 247.35801 (22091020)
586235.94 5264751.00 237.24662 (21012721) 586260.94

5264751.00   230.61748 (21012721)
        586285.94   5264751.00   221.54587 (22022521)   586310.94
5264751.00   212.18786 (22022521)
        586335.94   5264751.00   201.17365 (22061423)   586660.94
5264751.00   126.71855 (23022405)
        586685.94   5264751.00   121.29106 (23022405)   586710.94
5264751.00   119.65607 (22032520)
        586735.94   5264751.00   117.11284 (22032520)   586760.94
5264751.00   113.65259 (22032520)
        586785.94   5264751.00   109.44165 (22032520)   586810.94
5264751.00   105.85995 (22011918)
        584410.94   5264776.00   50.16861 (23122415)   584435.94
5264776.00   52.04886 (22010907)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   STCK1   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        584460.94   5264776.00   53.97326 (22010907)   584485.94
5264776.00   56.38637 (22111423)
        584510.94   5264776.00   59.65278 (22111423)   584535.94
5264776.00   62.37142 (22111423)
        584560.94   5264776.00   65.29503 (22111423)   584585.94
5264776.00   68.52118 (22111423)
        584610.94   5264776.00   74.23783 (23032107)   584635.94
5264776.00   78.56658 (23032107)
        584660.94   5264776.00   81.77597 (23032107)   584685.94
5264776.00   82.60765 (23032107)
        584710.94   5264776.00   82.08358 (23032107)   584735.94
5264776.00   76.81224 (23032107)
        584760.94   5264776.00   78.05812 (19011304)   584785.94
5264776.00   82.96444 (19011304)
        584810.94   5264776.00   84.27852 (19011304)   584835.94

5264776.00 84.12861 (19011304)
584860.94 5264776.00 86.75158 (20122724) 584885.94
5264776.00 86.68799 (20122724)
584910.94 5264776.00 91.89890 (23010110) 584935.94
5264776.00 102.70119 (20092124)
584960.94 5264776.00 117.39229 (20092124) 584985.94
5264776.00 117.15363 (23012420)
585010.94 5264776.00 128.60328 (22062306) 585035.94
5264776.00 143.77041 (22062306)
585060.94 5264776.00 147.83015 (22062306) 585085.94
5264776.00 135.30239 (19012116)
585110.94 5264776.00 153.72150 (21012010) 585135.94
5264776.00 154.75583 (21012010)
585160.94 5264776.00 162.80269 (23091607) 585185.94
5264776.00 174.85430 (22072906)
585210.94 5264776.00 205.30791 (19041807) 585235.94
5264776.00 234.10934 (22021417)
585260.94 5264776.00 244.64337 (19021309) 585685.94
5264776.00 578.02876 (22012109)
586110.94 5264776.00 298.14718 (23021407) 586135.94
5264776.00 285.34498 (21122723)
586160.94 5264776.00 269.60992 (21122723) 586185.94
5264776.00 259.52533 (22030303)
586210.94 5264776.00 241.08041 (19051604) 586235.94
5264776.00 228.88191 (22091020)
586260.94 5264776.00 220.56379 (23113016) 586285.94
5264776.00 215.83306 (21012721)
586310.94 5264776.00 205.07770 (22022521) 586335.94
5264776.00 200.16124 (22022521)
586360.94 5264776.00 190.61388 (22061423) 586385.94
5264776.00 179.69940 (22061423)
586635.94 5264776.00 130.05004 (22122524) 586660.94
5264776.00 123.76477 (22122524)
586685.94 5264776.00 121.23778 (23022405) 586710.94
5264776.00 118.06296 (23022405)
586735.94 5264776.00 113.73280 (23022405) 586760.94
5264776.00 110.70907 (22032520)
586785.94 5264776.00 109.01973 (22032520) 586810.94
5264776.00 106.47589 (22032520)
584410.94 5264801.00 46.42393 (22111423) 584435.94
5264801.00 51.09954 (22111423)
584460.94 5264801.00 54.87458 (22111423) 584485.94
5264801.00 55.33265 (22111423)
584510.94 5264801.00 55.83168 (22111423) 584535.94
5264801.00 58.92791 (23032107)
584560.94 5264801.00 64.85362 (23032107) 584585.94
5264801.00 70.45945 (23032107)
584610.94 5264801.00 74.41410 (23032107) 584635.94
5264801.00 75.20487 (23032107)
584660.94 5264801.00 74.48800 (23032107) 584685.94

5264801.00 71.74382 (23032107)
584710.94 5264801.00 78.82128 (19011304) 584735.94
5264801.00 86.58455 (19011304)
584760.94 5264801.00 92.17906 (19011304) 584785.94
5264801.00 90.19585 (19011304)
584810.94 5264801.00 90.15923 (20122724) 584835.94
5264801.00 88.79773 (20122724)
584860.94 5264801.00 85.56787 (20122724) 584885.94
5264801.00 85.88634 (19021909)
584910.94 5264801.00 100.03984 (20092124) 584935.94
5264801.00 110.00367 (20092124)
584960.94 5264801.00 118.06228 (22062306) 584985.94
5264801.00 139.03825 (22062306)
585010.94 5264801.00 145.95825 (22062306) 585035.94
5264801.00 138.19628 (22062306)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)
- -
585060.94 5264801.00 130.99444 (21012010) 585085.94
5264801.00 142.56163 (21012010)
585110.94 5264801.00 141.95777 (23091607) 585135.94
5264801.00 151.95066 (23091607)
585160.94 5264801.00 154.03735 (22072906) 585185.94
5264801.00 186.08045 (19041807)
585210.94 5264801.00 206.36576 (19041807) 585235.94
5264801.00 210.20929 (19101308)
585260.94 5264801.00 246.45249 (22122915) 585710.94
5264801.00 560.42096 (20021801)
585735.94 5264801.00 548.97568 (19010423) 585760.94
5264801.00 537.04918 (23030905)
586135.94 5264801.00 275.17696 (19120517) 586160.94

5264801.00 263.76306 (21122723)
586185.94 5264801.00 250.70744 (21122723) 586210.94
5264801.00 241.93490 (22030303)
586235.94 5264801.00 224.32681 (19051604) 586260.94
5264801.00 212.06405 (19051604)
586285.94 5264801.00 206.40213 (22091020) 586310.94
5264801.00 201.11827 (21012721)
586335.94 5264801.00 193.58674 (21012721) 586360.94
5264801.00 187.80625 (22022521)
586385.94 5264801.00 180.55494 (22022521) 586410.94
5264801.00 172.41006 (22061423)
586435.94 5264801.00 161.06797 (19111803) 586610.94
5264801.00 131.33347 (22011622)
586635.94 5264801.00 127.58419 (22011622) 586660.94
5264801.00 125.00092 (22122524)
586685.94 5264801.00 121.04241 (22122524) 586710.94
5264801.00 115.74306 (22122524)
586735.94 5264801.00 112.59282 (23022405) 586760.94
5264801.00 110.21299 (23022405)
586785.94 5264801.00 106.77234 (23022405) 586810.94
5264801.00 102.57110 (22032520)
584410.94 5264826.00 46.89619 (22111423) 584435.94
5264826.00 48.68667 (22111423)
584460.94 5264826.00 49.47700 (23032107) 584485.94
5264826.00 52.49862 (23032107)
584510.94 5264826.00 55.88272 (23032107) 584535.94
5264826.00 59.96438 (23032107)
584560.94 5264826.00 63.09864 (23032107) 584585.94
5264826.00 64.48998 (23032107)
584610.94 5264826.00 63.96868 (23032107) 584635.94
5264826.00 63.41712 (19011424)
584660.94 5264826.00 65.26225 (23012121) 584685.94
5264826.00 71.75447 (19011304)
584710.94 5264826.00 80.80374 (19011304) 584735.94
5264826.00 89.27550 (19011304)
584760.94 5264826.00 92.62591 (20122724) 584785.94
5264826.00 93.88712 (20122724)
584810.94 5264826.00 90.84425 (20122724) 584835.94
5264826.00 84.30935 (20092124)
584860.94 5264826.00 88.67743 (20092124) 584885.94
5264826.00 93.84114 (20092124)
584910.94 5264826.00 96.53651 (23012420) 584935.94
5264826.00 118.52206 (22062306)
584960.94 5264826.00 137.46288 (22062306) 584985.94
5264826.00 143.01070 (22062306)
585010.94 5264826.00 139.64490 (19012116) 585035.94
5264826.00 136.74100 (21012010)
585060.94 5264826.00 136.34769 (21012010) 585085.94
5264826.00 135.15677 (23091607)
585110.94 5264826.00 143.20368 (22072906) 585135.94

5264826.00   142.23407 (19041807)
        585160.94   5264826.00   175.94141 (19041807)   585185.94
5264826.00   186.42241 (19041807)
        585210.94   5264826.00   187.80662 (19101308)   585235.94
5264826.00   213.57004 (19101308)
        585260.94   5264826.00   292.21563 (22122915)   585735.94
5264826.00   512.11669 (19010423)
        585760.94   5264826.00   499.29491 (23030905)   585785.94
5264826.00   490.17810 (20022217)
        585810.94   5264826.00   464.80263 (23123120)   586210.94
5264826.00   233.92629 (21122723)
        586235.94   5264826.00   226.08150 (22030303)   586260.94
5264826.00   210.58665 (21120505)
        586285.94   5264826.00   200.11148 (19051604)   586310.94
5264826.00   193.88609 (22091020)
        586335.94   5264826.00   186.84652 (23113016)   586360.94
5264826.00   183.36290 (21012721)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        586385.94   5264826.00   175.47591 (22022521)   586410.94
5264826.00   171.42670 (22022521)
        586435.94   5264826.00   163.98445 (22061423)   586460.94
5264826.00   156.02873 (22061423)
        586485.94   5264826.00   148.21456 (19111803)   586585.94
5264826.00   130.31727 (19120722)
        586610.94   5264826.00   123.28192 (22011622)   586635.94
5264826.00   123.48220 (22011622)
        586660.94   5264826.00   121.85709 (22011622)   586685.94
5264826.00   118.62990 (22011622)
        586710.94   5264826.00   116.30164 (22122524)   586735.94

5264826.00 113.01432 (22122524)
586760.94 5264826.00 108.52295 (22122524) 586785.94
5264826.00 104.82364 (23022405)
584410.94 5264851.00 45.41141 (23032107) 584435.94
5264851.00 48.29284 (23032107)
584460.94 5264851.00 50.14237 (23032107) 584485.94
5264851.00 51.17650 (23032107)
584510.94 5264851.00 52.82567 (23032107) 584535.94
5264851.00 54.16015 (23032107)
584560.94 5264851.00 55.23973 (20082905) 584585.94
5264851.00 57.37285 (19011424)
584610.94 5264851.00 60.06577 (23012121) 584635.94
5264851.00 60.90498 (19011304)
584660.94 5264851.00 61.74364 (19011304) 584685.94
5264851.00 64.01741 (20122724)
584710.94 5264851.00 75.57734 (20122724) 584735.94
5264851.00 82.86930 (20122724)
584760.94 5264851.00 87.09514 (20122724) 584785.94
5264851.00 82.95051 (20122724)
584810.94 5264851.00 92.17514 (20092124) 584835.94
5264851.00 97.04678 (20092124)
584860.94 5264851.00 95.64085 (23012420) 584885.94
5264851.00 103.91601 (22062306)
584910.94 5264851.00 118.97797 (22062306) 584935.94
5264851.00 127.25893 (22062306)
584960.94 5264851.00 126.48095 (22062306) 584985.94
5264851.00 124.39123 (19012116)
585010.94 5264851.00 134.15888 (21012010) 585035.94
5264851.00 136.57044 (19051006)
585060.94 5264851.00 143.77598 (23091607) 585085.94
5264851.00 144.64214 (22072906)
585110.94 5264851.00 142.00796 (19041807) 585135.94
5264851.00 168.61056 (19041807)
585160.94 5264851.00 173.71102 (19041807) 585185.94
5264851.00 169.91663 (19101308)
585210.94 5264851.00 192.57639 (19101308) 585235.94
5264851.00 260.25084 (22122915)
585260.94 5264851.00 308.80731 (22122915) 585285.94
5264851.00 318.70043 (23122110)
585310.94 5264851.00 323.75102 (23122110) 585735.94
5264851.00 483.57318 (19010423)
585760.94 5264851.00 468.77791 (23030905) 585785.94
5264851.00 459.99906 (20022217)
585810.94 5264851.00 435.00804 (23123120) 585835.94
5264851.00 430.09146 (23012321)
585860.94 5264851.00 416.18044 (23031820) 586260.94
5264851.00 211.75204 (22030303)
586285.94 5264851.00 198.14487 (21120505) 586310.94
5264851.00 188.89173 (19051604)
586335.94 5264851.00 181.99415 (22091020) 586360.94

5264851.00   175.83379 (23113016)
        586385.94   5264851.00   172.91296 (21012721)   586410.94
5264851.00   165.34594 (21012721)
        586435.94   5264851.00   161.98477 (22022521)   586460.94
5264851.00   156.21255 (22022521)
        586485.94   5264851.00   149.99124 (22061423)   586510.94
5264851.00   141.36546 (22061423)
        586535.94   5264851.00   136.67984 (19111803)   586560.94
5264851.00   131.22039 (19111803)
        586585.94   5264851.00   128.68906 (19120722)   586610.94
5264851.00   125.51599 (19120722)
        586635.94   5264851.00   120.49906 (19120722)   586660.94
5264851.00   114.71273 (22011622)
        586685.94   5264851.00   114.89020 (22011622)   586710.94
5264851.00   113.48954 (22011622)
        586735.94   5264851.00   110.69329 (22011622)   586760.94
5264851.00   108.56374 (22122524)
        584435.94   5264876.00   46.62413 (23032107)   584460.94
5264876.00   46.01615 (23032107)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        584485.94   5264876.00   46.91561 (20082905)   584510.94
5264876.00   48.29515 (20082905)
        584535.94   5264876.00   51.35991 (23012121)   584560.94
5264876.00   55.16506 (23012121)
        584585.94   5264876.00   57.96030 (19011304)   584610.94
5264876.00   59.09576 (19011304)
        584635.94   5264876.00   58.17052 (20122724)   584660.94
5264876.00   59.68775 (20122724)
        584685.94   5264876.00   62.33776 (23010110)   584710.94

5264876.00 66.97347 (23010110)
584735.94 5264876.00 71.30756 (23010110) 584760.94
5264876.00 80.71092 (20092124)
584785.94 5264876.00 88.40686 (20092124) 584810.94
5264876.00 90.68136 (20092124)
584835.94 5264876.00 93.94707 (23012420) 584860.94
5264876.00 109.37997 (22062306)
584885.94 5264876.00 119.46106 (22062306) 584910.94
5264876.00 120.51854 (22062306)
584935.94 5264876.00 119.14214 (19012116) 584960.94
5264876.00 117.46077 (21012010)
584985.94 5264876.00 124.50775 (21012010) 585010.94
5264876.00 121.48146 (23091607)
585035.94 5264876.00 132.56645 (23091607) 585060.94
5264876.00 140.53982 (22072906)
585085.94 5264876.00 145.20572 (19041807) 585110.94
5264876.00 170.65067 (19041807)
585135.94 5264876.00 168.75957 (19041807) 585160.94
5264876.00 164.08694 (19101308)
585185.94 5264876.00 176.39326 (19101308) 585210.94
5264876.00 233.22721 (22122915)
585235.94 5264876.00 276.67647 (22122915) 585260.94
5264876.00 262.79294 (22122915)
585285.94 5264876.00 284.80543 (23122110) 585310.94
5264876.00 278.79938 (22111903)
585335.94 5264876.00 279.02158 (19050406) 585360.94
5264876.00 287.10458 (19113009)
585760.94 5264876.00 445.87840 (23121701) 585785.94
5264876.00 436.69579 (22120509)
585810.94 5264876.00 421.61870 (19122509) 585835.94
5264876.00 409.52598 (20032121)
585860.94 5264876.00 395.45109 (21030222) 585885.94
5264876.00 380.22572 (23012821)
585910.94 5264876.00 374.50817 (23022124) 585935.94
5264876.00 360.26937 (23020819)
586335.94 5264876.00 178.39363 (19051604) 586360.94
5264876.00 170.76613 (22091020)
586385.94 5264876.00 165.83201 (22091020) 586410.94
5264876.00 162.49041 (21012721)
586435.94 5264876.00 158.07958 (21012721) 586460.94
5264876.00 152.47399 (22022521)
586485.94 5264876.00 149.08965 (22022521) 586510.94
5264876.00 143.12429 (22061423)
586535.94 5264876.00 137.17182 (22061423) 586560.94
5264876.00 129.72155 (19111803)
586585.94 5264876.00 126.32285 (19111803) 586610.94
5264876.00 121.06427 (19120722)
586635.94 5264876.00 119.73893 (19120722) 586660.94
5264876.00 116.56123 (19120722)
586685.94 5264876.00 111.82781 (19120722) 586710.94

5264876.00   107.10912 (22011622)
        586735.94   5264876.00   107.26938 (22011622)   586760.94
5264876.00   106.05532 (22011622)
        584460.94   5264901.00   43.59006 (21102724)   584485.94
5264901.00   45.48196 (23012121)
        584510.94   5264901.00   48.65441 (23012121)   584535.94
5264901.00   51.77431 (19011304)
        584560.94   5264901.00   56.75302 (19011304)   584585.94
5264901.00   57.97927 (20122724)
        584610.94   5264901.00   59.46232 (20122724)   584635.94
5264901.00   59.76401 (23010110)
        584660.94   5264901.00   61.79025 (23010110)   584685.94
5264901.00   62.39329 (23010110)
        584710.94   5264901.00   64.80407 (19021909)   584735.94
5264901.00   75.01403 (20092124)
        584760.94   5264901.00   78.50589 (20092124)   584785.94
5264901.00   80.71122 (23012420)
        584810.94   5264901.00   92.86419 (22062306)   584835.94
5264901.00   106.95758 (22062306)
        584860.94   5264901.00   114.53910 (22062306)   584885.94
5264901.00   111.38117 (19012116)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   STCK1   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        584910.94   5264901.00   109.00068 (19012116)   584935.94
5264901.00   114.41856 (21012010)
        584960.94   5264901.00   115.76386 (21012010)   584985.94
5264901.00   119.11366 (23091607)
        585010.94   5264901.00   119.62818 (22072906)   585035.94
5264901.00   125.37676 (22072906)
        585060.94   5264901.00   138.01370 (19041807)   585085.94

5264901.00 160.00951 (19041807)
585110.94 5264901.00 163.71210 (22021417) 585135.94
5264901.00 169.57514 (19101308)
585160.94 5264901.00 176.38937 (19101308) 585185.94
5264901.00 205.48900 (22122915)
585210.94 5264901.00 236.49355 (22122915) 585235.94
5264901.00 234.65362 (22122915)
585260.94 5264901.00 234.12592 (23122110) 585285.94
5264901.00 235.79587 (21051106)
585310.94 5264901.00 239.10891 (19050406) 585335.94
5264901.00 249.60510 (21030908)
585360.94 5264901.00 265.22635 (19072006) 585785.94
5264901.00 423.36389 (22120509)
585810.94 5264901.00 415.12410 (19122509) 585835.94
5264901.00 402.06605 (20032121)
585860.94 5264901.00 376.97031 (22121302) 585885.94
5264901.00 362.79160 (23031820)
585910.94 5264901.00 352.84540 (23012821) 585935.94
5264901.00 347.55764 (23020819)
585960.94 5264901.00 337.75160 (22031104) 585985.94
5264901.00 325.93529 (23020119)
586385.94 5264901.00 160.21496 (22091020) 586410.94
5264901.00 157.41829 (22091020)
586435.94 5264901.00 152.45977 (23113016) 586460.94
5264901.00 150.48001 (21012721)
586485.94 5264901.00 143.24885 (21012721) 586510.94
5264901.00 141.68472 (22022521)
586535.94 5264901.00 136.98880 (22022521) 586560.94
5264901.00 132.10529 (22061423)
586585.94 5264901.00 125.50654 (22061423) 586610.94
5264901.00 120.72568 (19111803)
586635.94 5264901.00 117.01160 (19111803) 586660.94
5264901.00 113.28636 (19120722)
586685.94 5264901.00 111.72461 (19120722) 586710.94
5264901.00 108.58666 (19120722)
586735.94 5264901.00 104.12677 (19120722) 586760.94
5264901.00 100.32406 (22011622)
584485.94 5264926.00 45.30188 (23012121) 584510.94
5264926.00 47.48892 (19011304)
584535.94 5264926.00 51.23757 (20122724) 584560.94
5264926.00 57.03214 (20122724)
584585.94 5264926.00 58.46260 (20122724) 584610.94
5264926.00 59.55532 (23010110)
584635.94 5264926.00 60.31533 (23010110) 584660.94
5264926.00 59.54329 (23010110)
584685.94 5264926.00 64.83195 (19021909) 584710.94
5264926.00 68.44483 (19021909)
584735.94 5264926.00 72.16827 (23012420) 584760.94
5264926.00 79.01671 (22062306)
584785.94 5264926.00 93.22019 (22062306) 584810.94

```
5264926.00      101.67161  (22062306)
        584835.94   5264926.00      102.76643  (22062306)                584860.94
5264926.00      100.77755  (19012116)
        584885.94   5264926.00      101.49726  (21012010)                584910.94
5264926.00      109.61547  (21012010)
        584935.94   5264926.00      106.84327  (21012010)                584960.94
5264926.00      112.00343  (23091607)
        584985.94   5264926.00      114.94443  (22072906)                585010.94
5264926.00      117.58372  (22072906)
        585035.94   5264926.00      130.49146  (19041807)                585060.94
5264926.00      147.85786  (19041807)
        585085.94   5264926.00      146.31565  (19041807)                585110.94
5264926.00      154.04397  (19101308)
        585135.94   5264926.00      171.70292  (19101308)                585160.94
5264926.00      203.85032  (22122915)
        585185.94   5264926.00      214.95162  (22122915)                585210.94
5264926.00      204.14371  (22122915)
        585235.94   5264926.00      195.44351  (19051806)                585260.94
5264926.00      198.18433  (21051106)
        585285.94   5264926.00      198.50875  (21051106)                585310.94
5264926.00      210.29188  (21030908)
        585335.94   5264926.00      223.09755  (22021717)                585360.94
5264926.00      243.53037  (19072006)
```



```
                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        585810.94   5264926.00      415.32693  (20022217)                585835.94
5264926.00      401.57521  (23123120)
        585860.94   5264926.00      370.88304  (23012321)                585885.94
5264926.00      348.11885  (23031820)
        585910.94   5264926.00      342.09103  (23012821)                585935.94
```

5264926.00 335.31377 (23022124)
585960.94 5264926.00 319.46142 (22031104) 585985.94
5264926.00 310.37790 (23030701)
586010.94 5264926.00 306.96274 (23121409) 586035.94
5264926.00 296.16769 (23121409)
586435.94 5264926.00 149.28616 (22091020) 586460.94
5264926.00 144.66722 (23113016)
586485.94 5264926.00 142.74128 (21012721) 586510.94
5264926.00 137.97528 (21012721)
586535.94 5264926.00 134.17259 (22022521) 586560.94
5264926.00 131.30596 (22022521)
586585.94 5264926.00 126.41323 (22061423) 586610.94
5264926.00 121.86432 (22061423)
586635.94 5264926.00 114.93342 (22061423) 586660.94
5264926.00 112.51522 (19111803)
586685.94 5264926.00 108.62001 (19111803) 586710.94
5264926.00 106.23839 (19120722)
586735.94 5264926.00 104.52211 (19120722) 586760.94
5264926.00 101.45295 (19120722)
586785.94 5264926.00 97.25140 (19120722) 584485.94
5264951.00 44.39342 (20122724)
584510.94 5264951.00 48.36018 (23010110) 584535.94
5264951.00 52.36866 (23010110)
584560.94 5264951.00 55.89690 (23010110) 584585.94
5264951.00 57.49324 (23010110)
584610.94 5264951.00 57.28274 (23010110) 584635.94
5264951.00 61.22628 (19021909)
584660.94 5264951.00 64.33328 (19021909) 584685.94
5264951.00 63.96296 (19021909)
584710.94 5264951.00 67.23570 (21062401) 584735.94
5264951.00 82.20573 (22062306)
584760.94 5264951.00 92.53867 (22062306) 584785.94
5264951.00 96.81888 (22062306)
584810.94 5264951.00 93.31183 (22062306) 584835.94
5264951.00 88.15842 (19012116)
584860.94 5264951.00 96.58847 (21012010) 584885.94
5264951.00 102.72255 (21012010)
584910.94 5264951.00 99.43360 (19040407) 584935.94
5264951.00 107.13083 (23091607)
584960.94 5264951.00 108.48517 (22072906) 584985.94
5264951.00 104.13799 (22072906)
585010.94 5264951.00 123.74769 (19041807) 585035.94
5264951.00 136.22325 (19041807)
585060.94 5264951.00 132.53788 (19041807) 585085.94
5264951.00 134.09168 (19101308)
585110.94 5264951.00 146.96392 (19101308) 585135.94
5264951.00 179.74647 (22122915)
585160.94 5264951.00 203.15762 (22122915) 585185.94
5264951.00 193.68248 (22122915)
585210.94 5264951.00 184.48643 (19051806) 585235.94

5264951.00   164.95239 (21051106)
        585260.94   5264951.00   175.15195 (21051106)   585285.94
5264951.00   175.70260 (19091007)
        585310.94   5264951.00   189.13817 (22080606)   585335.94
5264951.00   215.26303 (19072006)
        585360.94   5264951.00   215.98823 (23071906)   585810.94
5264951.00   414.77675 (20022217)
        585835.94   5264951.00   396.88163 (23123120)   585860.94
5264951.00   374.30317 (23012321)
        585885.94   5264951.00   341.17726 (21030222)   585910.94
5264951.00   331.34739 (20122224)
        585935.94   5264951.00   327.13880 (23021719)   585960.94
5264951.00   313.87827 (23020819)
        585985.94   5264951.00   302.28955 (22031104)   586010.94
5264951.00   291.21092 (23020119)
        586035.94   5264951.00   290.65530 (23121409)   586060.94
5264951.00   265.17209 (23121409)
        586085.94   5264951.00   229.17916 (20031724)   586485.94
5264951.00   137.16326 (22091020)
        586510.94   5264951.00   135.01287 (21012721)   586535.94
5264951.00   132.34443 (21012721)
        586560.94   5264951.00   126.68831 (22022521)   586585.94
5264951.00   125.37101 (22022521)
        586610.94   5264951.00   121.47909 (22022521)   586635.94
5264951.00   117.55834 (22061423)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        586660.94   5264951.00   112.41398 (22061423)   586685.94
5264951.00   107.51996 (19111803)
        586710.94   5264951.00   105.01829 (19111803)   586735.94

5264951.00 101.04777 (19111803)
586760.94 5264951.00 99.84221 (19120722) 586785.94
5264951.00 98.02630 (19120722)
586810.94 5264951.00 95.04303 (19120722) 584485.94
5264976.00 47.57707 (23010110)
584510.94 5264976.00 50.77625 (23010110) 584535.94
5264976.00 52.63070 (23010110)
584560.94 5264976.00 53.22672 (23010110) 584585.94
5264976.00 56.56088 (19021909)
584610.94 5264976.00 60.44093 (19021909) 584635.94
5264976.00 61.54465 (19021909)
584660.94 5264976.00 62.58001 (21062401) 584685.94
5264976.00 69.56994 (22062306)
584710.94 5264976.00 81.39036 (22062306) 584735.94
5264976.00 88.69219 (22062306)
584760.94 5264976.00 89.40986 (22062306) 584785.94
5264976.00 83.76458 (19012116)
584810.94 5264976.00 84.16984 (21012010) 584835.94
5264976.00 92.64574 (21012010)
584860.94 5264976.00 93.97047 (21012010) 584885.94
5264976.00 94.03348 (23091607)
584910.94 5264976.00 99.11971 (23091607) 584935.94
5264976.00 104.33231 (22072906)
584960.94 5264976.00 98.86641 (19041807) 584985.94
5264976.00 118.90532 (19041807)
585010.94 5264976.00 127.71769 (19041807) 585035.94
5264976.00 121.23201 (19041807)
585060.94 5264976.00 117.23369 (19101308) 585085.94
5264976.00 127.21600 (19101308)
585110.94 5264976.00 152.27506 (22122915) 585135.94
5264976.00 179.59776 (22122915)
585160.94 5264976.00 181.00430 (22122915) 585185.94
5264976.00 174.66223 (19051806)
585210.94 5264976.00 155.87892 (19051806) 585235.94
5264976.00 160.92309 (21051106)
585260.94 5264976.00 160.43594 (19091007) 585285.94
5264976.00 166.89072 (19121510)
585310.94 5264976.00 183.61083 (22032108) 585335.94
5264976.00 197.46546 (23071906)
585360.94 5264976.00 210.82388 (22111709) 585810.94
5264976.00 410.84604 (20022217)
585835.94 5264976.00 390.20741 (19122509) 585860.94
5264976.00 376.87103 (20032121)
585885.94 5264976.00 338.49230 (22121302) 585910.94
5264976.00 330.60084 (23031820)
585935.94 5264976.00 328.79140 (23012821) 585960.94
5264976.00 312.24605 (23022124)
585985.94 5264976.00 293.88888 (22031104) 586010.94
5264976.00 281.58267 (23030701)
586035.94 5264976.00 276.71895 (23020119) 586060.94

5264976.00   268.61790 (23121409)
        586085.94   5264976.00   233.91229 (23121409)   586110.94
5264976.00   212.83905 (20012009)
        586135.94   5264976.00   213.12969 (22031108)   586535.94
5264976.00   127.66615 (23113016)
        586560.94   5264976.00   126.49985 (21012721)   586585.94
5264976.00   121.69406 (21012721)
        586610.94   5264976.00   119.31257 (22022521)   586635.94
5264976.00   116.85561 (22022521)
        586660.94   5264976.00   112.76676 (22061423)   586685.94
5264976.00   109.22839 (22061423)
        586710.94   5264976.00   103.73364 (22061423)   586735.94
5264976.00   100.92258 (19111803)
        586760.94   5264976.00   98.18101 (19111803)   586785.94
5264976.00   94.73343 (19120722)
        586810.94   5264976.00   94.01964 (19120722)   584485.94
5265001.00   47.18466 (23010110)
        584510.94   5265001.00   48.21088 (23010110)   584535.94
5265001.00   51.48199 (19021909)
        584560.94   5265001.00   55.80417 (19021909)   584585.94
5265001.00   57.61646 (19021909)
        584610.94   5265001.00   57.41491 (21120711)   584635.94
5265001.00   64.97688 (21120711)
        584660.94   5265001.00   72.77069 (22062306)   584685.94
5265001.00   76.82615 (22062306)
        584710.94   5265001.00   79.96922 (22062306)   584735.94
5265001.00   77.94183 (22062306)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        584760.94   5265001.00   73.14991 (19012116)   584785.94

5265001.00 80.33729 (21012010)
584810.94 5265001.00 86.59952 (21012010) 584835.94
5265001.00 85.26784 (21012010)
584860.94 5265001.00 84.42881 (23091607) 584885.94
5265001.00 86.96261 (23091607)
584910.94 5265001.00 95.20648 (22072906) 584935.94
5265001.00 96.98900 (19041807)
584960.94 5265001.00 115.67026 (19041807) 584985.94
5265001.00 121.69490 (19041807)
585010.94 5265001.00 113.10142 (19041807) 585035.94
5265001.00 111.69270 (19101308)
585060.94 5265001.00 115.04222 (19101308) 585085.94
5265001.00 133.51533 (22122915)
585110.94 5265001.00 150.43072 (22122915) 585135.94
5265001.00 153.06048 (22122915)
585160.94 5265001.00 160.82901 (19051806) 585185.94
5265001.00 150.68315 (19051806)
585210.94 5265001.00 147.56042 (21051106) 585235.94
5265001.00 143.63815 (19091007)
585260.94 5265001.00 155.45433 (19121510) 585285.94
5265001.00 163.87701 (22032108)
585310.94 5265001.00 165.81651 (22032108) 585335.94
5265001.00 182.58853 (23071906)
585360.94 5265001.00 198.45605 (22111709) 585835.94
5265001.00 388.06094 (19122509)
585860.94 5265001.00 376.31787 (20032121) 585885.94
5265001.00 343.71059 (23012321)
585910.94 5265001.00 331.75398 (23031820) 585935.94
5265001.00 329.01505 (23012821)
585960.94 5265001.00 313.59185 (23022124) 585985.94
5265001.00 291.36932 (23020819)
586010.94 5265001.00 277.72049 (22031104) 586035.94
5265001.00 264.70935 (20021805)
586060.94 5265001.00 262.72869 (23121409) 586085.94
5265001.00 244.10120 (23121409)
586110.94 5265001.00 207.95306 (20031724) 586135.94
5265001.00 201.28115 (20012009)
586160.94 5265001.00 200.32988 (22031108) 586185.94
5265001.00 194.48647 (23022403)
586585.94 5265001.00 120.55533 (21012721) 586610.94
5265001.00 117.45047 (21012721)
586635.94 5265001.00 113.23577 (22022521) 586660.94
5265001.00 112.01209 (22022521)
586685.94 5265001.00 108.73923 (22022521) 586710.94
5265001.00 105.53055 (22061423)
586735.94 5265001.00 101.45767 (22061423) 586760.94
5265001.00 96.46633 (19111803)
586785.94 5265001.00 94.82276 (19111803) 586810.94
5265001.00 91.92971 (19111803)
584510.94 5265026.00 49.75618 (19021909) 584535.94

```
5265026.00       52.30237  (19021909)
        584560.94   5265026.00       53.03346  (21120711)                584585.94
5265026.00       60.55059  (21120711)
        584610.94   5265026.00       67.02143  (21120711)                584635.94
5265026.00       73.20443  (22062306)
        584660.94   5265026.00       76.15201  (22062306)                584685.94
5265026.00       73.83306  (21120711)
        584710.94   5265026.00       70.57730  (21120711)                584735.94
5265026.00       67.00578  (21012010)
        584760.94   5265026.00       74.85754  (21012010)                584785.94
5265026.00       77.27621  (21012010)
        584810.94   5265026.00       73.55463  (21012010)                584835.94
5265026.00       73.41236  (23091607)
        584860.94   5265026.00       80.84220  (22072906)                584885.94
5265026.00       83.82076  (22072906)
        584910.94   5265026.00       94.30924  (19041807)                584935.94
5265026.00      110.93283  (19041807)
        584960.94   5265026.00      115.92634  (19041807)                584985.94
5265026.00      107.23478  (19041807)
        585010.94   5265026.00      106.10289  (19101308)                585035.94
5265026.00      110.92404  (19101308)
        585060.94   5265026.00      118.81046  (22122915)                585085.94
5265026.00      136.98262  (22122915)
        585110.94   5265026.00      134.43721  (22122915)                585135.94
5265026.00      145.09413  (19051806)
        585160.94   5265026.00      139.80982  (19051806)                585185.94
5265026.00      134.96538  (23052506)
        585210.94   5265026.00      133.22758  (23052506)                585235.94
5265026.00      139.21334  (19121510)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        11:09:37

                                 PAGE  42
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - -
        585260.94   5265026.00      143.36006  (22032108)                585285.94
5265026.00      158.87740  (22032108)
        585310.94   5265026.00      167.51333  (23071906)                585335.94
5265026.00      183.02706  (21061606)
        585360.94   5265026.00      179.17696  (22100908)                585835.94
5265026.00      378.46326  (19122509)
        585860.94   5265026.00      369.95431  (23123120)                585885.94
5265026.00      350.45747  (23012321)
        585910.94   5265026.00      332.05919  (21030222)                585935.94
5265026.00      322.29503  (20122224)
        585960.94   5265026.00      306.44065  (23021719)                585985.94
5265026.00      287.63562  (23020819)
        586010.94   5265026.00      271.41689  (22031104)                586035.94
5265026.00      257.30004  (23030701)
        586060.94   5265026.00      252.39875  (23020119)                586085.94
5265026.00      246.61738  (23121409)
        586110.94   5265026.00      218.04194  (23121409)                586135.94
5265026.00      193.60721  (20031724)
        586160.94   5265026.00      191.51848  (22031108)                586185.94
5265026.00      187.67661  (22031108)
        586210.94   5265026.00      183.76288  (23022403)                586235.94
5265026.00      179.13869  (21010818)
        586660.94   5265026.00      108.29975  (21012721)                586685.94
5265026.00      107.04709  (22022521)
        586710.94   5265026.00      104.91981  (22022521)                586735.94
5265026.00      101.44880  (22061423)
        586760.94   5265026.00       98.65813  (22061423)                586785.94
5265026.00       94.23874  (22061423)
        586810.94   5265026.00       91.09346  (19111803)                584535.94
5265051.00       56.29502  (21120711)
        584560.94   5265051.00       62.90069  (21120711)                584585.94
5265051.00       68.17671  (21120711)
        584610.94   5265051.00       71.52357  (21120711)                584635.94
5265051.00       72.45421  (21120711)
        584660.94   5265051.00       70.69216  (21120711)                584685.94
5265051.00       66.26718  (21120711)
        584710.94   5265051.00       66.77138  (21012010)                584735.94
5265051.00       71.49568  (21012010)
        584760.94   5265051.00       70.46060  (21012010)                584785.94
5265051.00       63.57993  (21012010)
        584810.94   5265051.00       65.39001  (23071306)                584835.94
5265051.00       64.51681  (23071306)
        584860.94   5265051.00       70.53487  (22072906)                584885.94
5265051.00       92.06556  (19041807)
        584910.94   5265051.00      106.19792  (19041807)                584935.94
5265051.00      110.31336  (19041807)
        584960.94   5265051.00      100.92061  (19041807)                584985.94
5265051.00      100.41641  (19101308)
        585010.94   5265051.00      104.68468  (19101308)                585035.94
```

5265051.00   113.67326 (22122915)
        585060.94   5265051.00   132.11999 (22122915)   585085.94
5265051.00   125.64854 (22122915)
        585110.94   5265051.00   134.58449 (19051806)   585135.94
5265051.00   130.81517 (19051806)
        585160.94   5265051.00   119.79251 (23052506)   585185.94
5265051.00   126.32411 (23052506)
        585210.94   5265051.00   121.79559 (19091007)   585235.94
5265051.00   131.25771 (19121510)
        585260.94   5265051.00   145.67912 (22032108)   585285.94
5265051.00   144.51263 (23071906)
        585310.94   5265051.00   157.41533 (21061606)   585335.94
5265051.00   176.57600 (21061606)
        585360.94   5265051.00   175.43342 (19110509)   585835.94
5265051.00   361.10691 (20022217)
        585860.94   5265051.00   354.85344 (23123120)   585885.94
5265051.00   347.20232 (23012321)
        585910.94   5265051.00   328.57098 (21030222)   585935.94
5265051.00   316.21758 (23031820)
        585960.94   5265051.00   299.68428 (23012821)   585985.94
5265051.00   282.41067 (23022124)
        586010.94   5265051.00   265.54693 (23020819)   586035.94
5265051.00   256.27098 (22031104)
        586135.94   5265051.00   192.92616 (23121409)   586160.94
5265051.00   181.91435 (20012009)
        586185.94   5265051.00   182.16762 (22031108)   586210.94
5265051.00   176.54699 (21022008)
        586235.94   5265051.00   173.35314 (23022403)   586260.94
5265051.00   169.36316 (21121624)
        586285.94   5265051.00   166.22373 (21011518)   586710.94
5265051.00   102.03913 (22022521)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)

```
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        586735.94   5265051.00      100.90733  (22022521)                586760.94
5265051.00       98.11760  (22022521)
        586785.94   5265051.00       95.44741  (22061423)                584585.94
5265076.00       70.51073  (21120711)
        584610.94   5265076.00       70.05726  (21120711)                584635.94
5265076.00       67.08602  (21120711)
        584660.94   5265076.00       61.75090  (21120711)                584685.94
5265076.00       64.77204  (21012010)
        584710.94   5265076.00       67.81244  (21012010)                584735.94
5265076.00       65.28473  (21012010)
        584760.94   5265076.00       60.58872  (23071306)                584785.94
5265076.00       61.42410  (23071306)
        584810.94   5265076.00       57.32553  (19103108)                584835.94
5265076.00       59.59263  (19041807)
        584860.94   5265076.00       82.80786  (19041807)                584885.94
5265076.00       98.96555  (19041807)
        584910.94   5265076.00      102.39765  (19041807)                584935.94
5265076.00       94.26816  (19041807)
        584960.94   5265076.00       95.06223  (19101308)                584985.94
5265076.00       98.88592  (23121411)
        585010.94   5265076.00      102.79677  (22122915)                585035.94
5265076.00      122.26506  (22122915)
        585060.94   5265076.00      124.35205  (22122915)                585085.94
5265076.00      126.61334  (19051806)
        585110.94   5265076.00      125.63156  (19051806)                585135.94
5265076.00      108.31179  (23052506)
        585160.94   5265076.00      117.64375  (23052506)                585185.94
5265076.00      107.75908  (22052106)
        585210.94   5265076.00      117.60766  (19121510)                585235.94
5265076.00      128.36162  (22032108)
        585260.94   5265076.00      133.37687  (22032108)                585285.94
5265076.00      139.80732  (21071806)
        585310.94   5265076.00      161.65730  (21061606)                585335.94
5265076.00      162.52995  (22100908)
        585360.94   5265076.00      165.28199  (19110509)                585835.94
5265076.00      345.10517  (20022217)
        585860.94   5265076.00      334.80703  (23123120)                585885.94
5265076.00      335.10517  (20032121)
        585910.94   5265076.00      323.07101  (22121302)                585935.94
5265076.00      310.96355  (23031820)
        585960.94   5265076.00      296.05475  (23012821)                585985.94
5265076.00      282.19404  (23022124)
        586010.94   5265076.00      273.36439  (23020819)                586185.94
5265076.00      173.51397  (20012009)
        586210.94   5265076.00      172.83114  (22031108)                586235.94
5265076.00      167.10919  (23022403)
        586260.94   5265076.00      164.42858  (21010818)                586285.94
```

```
5265076.00      161.24378  (21121624)
        586310.94   5265076.00      158.06118  (21011518)                586760.94
5265076.00       96.77380  (22022521)
        586785.94   5265076.00       94.91419  (22022521)                584635.94
5265101.00       57.16973  (21120711)
        584660.94   5265101.00       61.00640  (21012010)                584685.94
5265101.00       61.61208  (21012010)
        584710.94   5265101.00       57.79434  (21012010)                584735.94
5265101.00       57.55328  (23071306)
        584760.94   5265101.00       58.07464  (23071306)                584785.94
5265101.00       54.66614  (19103108)
        584810.94   5265101.00       57.04141  (19041807)                584835.94
5265101.00       71.64119  (19041807)
        584860.94   5265101.00       87.18139  (19041807)                584885.94
5265101.00       91.15902  (19041807)
        584910.94   5265101.00       83.75885  (19041807)                584935.94
5265101.00       88.31132  (23121411)
        584960.94   5265101.00       96.43833  (23121411)                584985.94
5265101.00       98.78602  (23121411)
        585010.94   5265101.00      109.60565  (22122915)                585035.94
5265101.00      115.62367  (22122915)
        585060.94   5265101.00      119.72919  (19051806)                585085.94
5265101.00      122.56870  (19051806)
        585110.94   5265101.00      106.78347  (19051806)                585135.94
5265101.00      111.54447  (23052506)
        585160.94   5265101.00      104.05984  (23052506)                585185.94
5265101.00      105.10794  (19121510)
        585210.94   5265101.00      111.36863  (22032108)                585235.94
5265101.00      126.32708  (22032108)
        585260.94   5265101.00      128.12068  (21071806)                585285.94
5265101.00      133.98445  (21061606)
        585310.94   5265101.00      156.03355  (21061606)                585335.94
5265101.00      161.46828  (19110509)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        11:09:37

                                 PAGE  44
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
585360.94	5265101.00	176.23452	(23041018)	585835.94	5265101.00	328.12823	(20022217)
585860.94	5265101.00	319.22846	(19122509)	585885.94	5265101.00	319.98040	(20032121)
585910.94	5265101.00	316.65486	(23012321)	585935.94	5265101.00	306.95495	(21030222)
585960.94	5265101.00	295.52692	(20122224)	586210.94	5265101.00	166.24637	(22031108)
586235.94	5265101.00	163.74380	(22031108)	586260.94	5265101.00	160.04999	(23022403)
586285.94	5265101.00	156.93967	(21010818)	586310.94	5265101.00	153.74121	(21121624)
584710.94	5265126.00	53.68816	(23071306)	584735.94	5265126.00	52.68484	(23071306)
584760.94	5265126.00	49.95843	(19020109)	584785.94	5265126.00	57.22838	(19041807)
584810.94	5265126.00	70.03824	(19041807)	584835.94	5265126.00	78.98882	(19041807)
584860.94	5265126.00	82.78100	(19041807)	584885.94	5265126.00	75.54195	(19041807)
584910.94	5265126.00	86.25656	(23121411)	584935.94	5265126.00	94.10415	(23121411)
584960.94	5265126.00	96.53060	(23121411)	584985.94	5265126.00	99.69508	(23042207)
585010.94	5265126.00	106.25542	(22122915)	585035.94	5265126.00	112.22048	(19051806)
585060.94	5265126.00	116.41075	(19051806)	585085.94	5265126.00	105.13934	(19051806)
585110.94	5265126.00	104.74395	(23052506)	585135.94	5265126.00	103.17080	(23052506)
585160.94	5265126.00	98.27726	(22052106)	585185.94	5265126.00	102.02931	(19121510)
585210.94	5265126.00	116.88030	(22032108)	585235.94	5265126.00	114.40739	(21071806)
585260.94	5265126.00	124.70515	(21071806)	585285.94	5265126.00	138.66659	(21061606)
585310.94	5265126.00	144.37140	(22100908)	585335.94	5265126.00	153.62305	(19110509)
585360.94	5265126.00	183.89253	(23041018)	585860.94	5265126.00	307.41517	(19122509)
585885.94	5265126.00	306.18612	(23123120)	585910.94	5265126.00	306.73770	(23012321)
585935.94	5265126.00	298.95806	(21030222)	586260.94	5265126.00	155.83663	(21022008)
586285.94	5265126.00	153.46139	(23022403)	584760.94			

5265151.00   55.37612 (19041807)
        584785.94   5265151.00   67.24685 (19041807)   584810.94
5265151.00   76.38395 (19041807)
        584835.94   5265151.00   78.59958 (19041807)   584860.94
5265151.00   73.31507 (23121411)
        584885.94   5265151.00   84.38914 (23121411)   584910.94
5265151.00   91.91729 (23121411)
        584935.94   5265151.00   94.39419 (23121411)   584960.94
5265151.00   93.00742 (23042207)
        584985.94   5265151.00   98.84580 (23042207)   585010.94
5265151.00   102.81608 (19051806)
        585035.94   5265151.00   110.07153 (19051806)   585060.94
5265151.00   102.50812 (19051806)
        585085.94   5265151.00   99.48269 (23042507)   585110.94
5265151.00   101.14136 (23042507)
        585135.94   5265151.00   92.01352 (22052106)   585160.94
5265151.00   96.69141 (19121510)
        585185.94   5265151.00   106.01913 (22032108)   585210.94
5265151.00   112.20920 (22032108)
        585235.94   5265151.00   117.42091 (21071806)   585260.94
5265151.00   122.56913 (21061606)
        585285.94   5265151.00   133.88806 (21061606)   585310.94
5265151.00   139.58537 (19110509)
        585335.94   5265151.00   159.46497 (23041018)   585360.94
5265151.00   183.48414 (23041018)
        585860.94   5265151.00   295.59760 (19122509)   585885.94
5265151.00   293.95037 (23123120)
        584810.94   5265176.00   72.27302 (19041807)   584835.94
5265176.00   72.03265 (23121411)
        584860.94   5265176.00   82.62733 (23121411)   584885.94
5265176.00   89.86246 (23121411)
        584910.94   5265176.00   92.37788 (23121411)   584935.94
5265176.00   89.58207 (23042207)
        584960.94   5265176.00   94.29811 (23042207)   584985.94
5265176.00   92.39931 (19051806)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
585010.94	5265176.00	101.56279	(19051806)	585035.94	5265176.00	98.06958	(19051806)
585060.94	5265176.00	95.15348	(23042507)	585085.94	5265176.00	99.69312	(23042507)
585110.94	5265176.00	91.96462	(23042507)	585135.94	5265176.00	88.45380	(19121510)
585160.94	5265176.00	93.05628	(22032108)	585185.94	5265176.00	107.14666	(22032108)
585210.94	5265176.00	106.69456	(21071806)	585235.94	5265176.00	112.14653	(21071806)
585260.94	5265176.00	124.32779	(21061606)	585285.94	5265176.00	125.15035	(21120710)
585310.94	5265176.00	131.58361	(19110509)	585335.94	5265176.00	166.03453	(23041018)
585360.94	5265176.00	175.29559	(23041018)	584860.94	5265201.00	87.91893	(23121411)
584885.94	5265201.00	90.45953	(23121411)	584910.94	5265201.00	88.65714	(22122915)
584935.94	5265201.00	92.89997	(23042207)	584960.94	5265201.00	88.86483	(19051806)
584985.94	5265201.00	94.26189	(19051806)	585010.94	5265201.00	91.96708	(19051806)
585035.94	5265201.00	90.56957	(23042507)	585060.94	5265201.00	97.53257	(23042507)
585085.94	5265201.00	93.08093	(23042507)	585110.94	5265201.00	83.42450	(22052106)
585135.94	5265201.00	88.55723	(19121510)	585160.94	5265201.00	98.95077	(22032108)
585185.94	5265201.00	98.66485	(22032108)	585210.94	5265201.00	106.55614	(21071806)
585235.94	5265201.00	108.87997	(21061606)	585260.94	5265201.00	117.02688	(21061606)
585285.94	5265201.00	114.67382	(19110509)	585310.94	5265201.00	129.41322	(23041018)
585335.94	5265201.00	164.92004	(23041018)	585360.94	5265201.00	160.96678	(23041018)
584935.94	5265226.00	89.74661	(19051806)	584960.94	5265226.00	93.26835	(19051806)
584985.94	5265226.00	88.53680	(19051806)	585010.94	5265226.00	85.83167	(23042507)
585035.94	5265226.00	94.82418	(23042507)	585060.94	5265226.00	93.35168	(23042507)
585085.94	5265226.00	81.41738	(23042507)	585110.94			

```
5265226.00       82.16047  (19121510)
        585135.94   5265226.00       89.29461  (22032108)                585160.94
5265226.00       95.65151  (22032108)
        585185.94   5265226.00       99.18405  (21071806)                585210.94
5265226.00      100.59521  (21071806)
        585235.94   5265226.00      107.78170  (21061606)                585260.94
5265226.00      108.66293  (21120710)
        585285.94   5265226.00      107.18133  (19110509)                585310.94
5265226.00      133.50694  (23041018)
        585335.94   5265226.00      155.60400  (23041018)                585360.94
5265226.00      145.75557  (19012610)
        585385.94   5265226.00      149.58244  (23101508)                584985.94
5265251.00       81.15170  (23042507)
        585010.94   5265251.00       91.68211  (23042507)                585035.94
5265251.00       92.88765  (23042507)
        585060.94   5265251.00       83.85059  (23042507)                585085.94
5265251.00       76.21860  (19121510)
        585110.94   5265251.00       78.11525  (22032108)                585135.94
5265251.00       91.61572  (22032108)
        585160.94   5265251.00       89.56145  (21071806)                585185.94
5265251.00       98.01482  (21071806)
        585210.94   5265251.00      100.26374  (21061606)                585235.94
5265251.00      103.81297  (21061606)
        585260.94   5265251.00      100.43839  (21120710)                585285.94
5265251.00       96.67708  (23041018)
        585310.94   5265251.00      126.44735  (23041018)                585335.94
5265251.00      140.19388  (23041018)
        585360.94   5265251.00      133.38622  (19012610)                585385.94
5265251.00      149.48084  (23101508)
        585060.94   5265276.00       72.27382  (22052106)                585085.94
5265276.00       74.51144  (19121510)
        585110.94   5265276.00       84.23044  (22032108)                585135.94
5265276.00       86.76361  (22032108)
        585160.94   5265276.00       93.04413  (21071806)                585185.94
5265276.00       91.87212  (21071806)
        585210.94   5265276.00      100.79134  (21061606)                585235.94
5265276.00      100.34537  (21120710)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        11:09:37

                                  PAGE  46
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
```

***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
585260.94	5265276.00	93.27535	(19110509)	585285.94	5265276.00	105.19153	(23041018)
585310.94	5265276.00	121.54574	(23041018)	585335.94	5265276.00	125.85941	(19012610)
585360.94	5265276.00	126.29220	(23101508)	585385.94	5265276.00	147.11571	(23101508)
585160.94	5265301.00	90.97190	(21071806)	585185.94	5265301.00	92.91764	(21061606)
585210.94	5265301.00	95.37516	(21061606)	585235.94	5265301.00	92.94415	(21120710)
585260.94	5265301.00	87.46739	(23041018)	585285.94	5265301.00	111.13093	(23041018)
585310.94	5265301.00	117.22581	(23041018)	585335.94	5265301.00	114.99866	(19012610)
585360.94	5265301.00	125.24276	(23101508)	585260.94	5265326.00	95.66770	(23041018)
585285.94	5265326.00	112.40033	(23041018)	585310.94	5265326.00	115.02551	(19012610)
585335.94	5265326.00	104.62756	(19012610)	585360.94	5265326.00	122.54648	(23101508)
585335.94	5265351.00	107.11814	(23101508)	585790.94	5264633.24	895.17491	(21030222)
585315.41	5264503.55	330.33754	(23032107)	585317.33	5264461.28	323.16570	(22010907)
585320.21	5264412.29	360.89184	(19012905)	585271.22	5264634.20	276.48381	(22062306)
585191.48	5264625.55	204.69150	(20122724)	585271.22	5264300.85	257.01892	(19122519)
585302.92	5264189.41	227.37104	(19011303)	585333.66	5264187.49	280.62195	(22051505)
585259.69	5264192.29	256.10846	(22050124)	585339.43	5264124.09	350.30155	(23121519)
585338.47	5264100.07	294.65860	(19083121)	585338.47	5264071.25	359.47050	(19011307)
585338.47	5264032.82	358.23513	(19012921)	585143.45	5264107.76	206.08724	(22051505)
585049.31	5264147.14	189.23961	(22050124)	585113.67	5264304.69	164.40274	(23021108)
585013.76	5264314.30	162.53280	(20022103)	584962.85	5264173.08	165.94866	(20122803)
585044.50	5264478.57	104.27744	(19101202)	584941.71			

```
5264435.34       90.08086  (23120521)
        584885.03   5264351.76      125.97474  (20022103)                584881.19
5264224.00      171.77086  (22012304)
        585157.86   5264427.66      165.53978  (22010905)                585180.92
5264461.28      169.96102  (19101202)
        585185.72   5264517.00      172.94812  (22010907)                585146.33
5264516.04      160.59447  (22020907)
        585145.37   5264471.85      162.19488  (19101202)                584791.85
5264277.79      109.15442  (23021108)
        584762.07   5264282.60      101.44085  (23021108)                584775.52
5264409.40      112.12183  (22031405)
        584823.55   5264507.39       71.91086  (19101202)                586471.91
5264419.03      198.51924  (19120718)
        586328.54   5264386.58      256.13060  (19120718)                586250.65
5264308.69      402.14219  (21121602)
        586222.33   5264214.88      372.83890  (22060624)                586116.13
5264256.77      454.38888  (22120510)
        586145.63   5264129.92      229.38900  (21112016)                586227.05
5264154.70      233.74085  (19073122)
        586277.20   5264156.47      308.23041  (22112317)                586443.00
5264229.04      248.31039  (20022520)
        586532.09   5264238.48      196.97390  (20020609)                586517.93
5264327.58      196.33823  (19010117)
        586573.98   5264265.62      172.14326  (21120707)                586073.06
5264240.25      503.75225  (23061024)
        586406.42   5264050.26      358.03862  (23012317)                586413.55
5263859.27      314.77199  (19120806)
        585601.22   5263903.31      699.79884  (20030619)                585951.44
5263678.90      602.71699  (23021717)
        585755.84   5263742.59      302.70724  (22062324)                585592.83
5263716.51      221.26009  (22072801)
        585513.59   5263704.98      189.00123  (19092903)                585494.53
5263669.87      159.73349  (23052123)
        585699.66   5263594.63      211.36664  (21103108)                585900.79
5263561.03      257.65369  (23121210)
        585826.56   5263669.37      259.35036  (22050119)                585489.01
5263606.17      113.17429  (23091322)
        585525.12   5263590.62      117.59316  (20052804)                585482.99
5263564.54      102.71504  (23091322)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        11:09:37

                                 PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
586148.00	5263560.02	349.28779	(22022408)	585705.80	5263562.02	195.89192	(21103108)
585829.18	5263480.26	209.62744	(20051006)	585980.16	5263456.69	377.09234	(21041722)
586089.00	5263441.14	366.75640	(22122523)	584227.11	5264152.09	59.20653	(19122519)
584491.79	5264407.68	93.49807	(22031405)	584454.98	5264459.64	83.39841	(23120521)
584463.64	5264492.12	75.13588	(23120521)	584526.43	5264554.91	79.41566	(19012905)
584509.11	5264626.36	70.58647	(23031801)	584403.02	5264738.95	53.93688	(23122415)
584405.18	5264845.05	44.27820	(22111423)	584465.81	5264929.49	44.09675	(23012121)
584489.62	5265037.75	48.48957	(19021909)	584736.46	5265148.17	47.78589	(23070906)
584996.28	5265260.76	88.81854	(23042507)	585349.21	5265356.03	118.43714	(23101508)
585396.84	5265271.59	148.83218	(23101508)	585368.69	5265146.01	185.41086	(23041018)
585373.02	5264873.19	295.72800	(19072006)	585277.75	5264827.72	327.77128	(22122915)
585275.59	5264754.11	276.61513	(19021309)	585037.42	5264715.13	105.44975	(23010110)
584872.86	5264656.67	61.16205	(23122415)	584589.22	5264498.62	81.53636	(22010905)
585683.88	5264775.35	577.80051	(21030521)	585804.34	5264952.12	418.47368	(20022217)
585849.70	5265172.70	352.02171	(20022217)	585995.19	5265096.05	281.37350	(23022124)
586071.84	5265030.34	250.36990	(23121409)	586286.17	5265139.85	151.58327	(23022403)
586340.92	5265069.45	152.61005	(20020607)	586040.56	5264917.71	287.87212	(23121409)
585738.63	5264789.43	566.08464	(23010703)	586089.05	5264786.30	304.90388	(20020607)
586129.73	5264665.84	329.12668	(21012721)	586401.93	5264776.91	173.03938	(19111803)
586541.16	5264847.31	135.86061	(19111803)	586656.92			

```
5264736.24      127.33877  (22032520)
        586744.53   5264625.17      121.83966  (21021103)                586785.20
5264597.01      106.70166  (21051205)
        586929.13   5264593.88       95.33166  (22121020)                586905.66
5264672.10       99.72205  (21021103)
        586844.65   5264681.49      103.29939  (21021103)                586818.06
5264747.19      105.49932  (23032106)
        586825.88   5264809.77      100.89581  (23022405)                586761.74
5264861.39      106.98371  (22011622)
        586833.70   5264991.23       91.09756  (19120722)                586782.07
5265091.35       94.02462  (22022521)
        586458.25   5264944.30      143.07811  (22091020)                586225.15
5264834.80      224.56978  (22030303)
        585339.01   5263704.39      137.18479  (22120307)                585322.45
5263487.18       94.55430  (22012510)
        585261.70   5263498.23       75.74246  (19052221)                585243.30
5263547.93       73.64755  (22012604)
        585123.65   5263457.73       51.66152  (19110322)                585051.86
5263601.31       67.34715  (19011306)
        584788.63   5263592.11       47.80585  (23092902)                584724.21
5263641.81       39.79503  (19011522)
        584543.81   5263652.85       27.31406  (19083121)                584416.80
5263610.51       21.43979  (20030901)
        584400.24   5263719.12       29.42249  (21122110)                584457.30
5263768.82       31.97193  (21122110)
        584451.78   5263789.07       29.67781  (19120605)                584429.69
5263916.08       58.00730  (19120605)
        584374.47   5264081.74       50.78272  (20122803)                584389.19
5264157.21       75.50322  (22012304)
        584622.97   5264000.75       93.32712  (22050124)                584716.84
5263921.60       69.47127  (22051505)
        584744.45   5263766.98       66.60807  (23121519)                584803.36
5263761.45       81.78086  (19083121)
        584840.17   5263774.34       84.96368  (19083121)                584851.22
5263737.52       67.08101  (19011522)
        584935.89   5263759.61      116.55022  (19011307)                585077.63
5263765.14      136.15876  (19012921)
        585256.18   5263744.89      115.18270  (21021719)

 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        11:09:37

                                  PAGE  48
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
585135.94	5263476.00	4.38389b (21122924)	585110.94	5263501.00	3.78689b (20102424)
585135.94	5263501.00	4.19080b (20102424)	585160.94	5263501.00	4.89268b (21122924)
585260.94	5263501.00	11.39728m (23060424)	585285.94	5263501.00	10.52437m (23060424)
585310.94	5263501.00	10.24140 (20101424)	585110.94	5263526.00	3.65756b (20102424)
585135.94	5263526.00	4.10913b (20102424)	585160.94	5263526.00	4.62580b (20102424)
585185.94	5263526.00	5.54775b (21122924)	585210.94	5263526.00	6.62726m (23060424)
585260.94	5263526.00	11.73765m (23060424)	585285.94	5263526.00	11.90981m (23060424)
585310.94	5263526.00	11.17640 (20101424)	585085.94	5263551.00	4.99179 (22012424)
585110.94	5263551.00	4.31242 (22012424)	585135.94	5263551.00	3.97818b (20102424)
585160.94	5263551.00	4.53389b (20102424)	585185.94	5263551.00	5.21629b (21122924)
585210.94	5263551.00	6.21177b (21122924)	585235.94	5263551.00	8.40232m (23060424)
585260.94	5263551.00	11.57189m (23060424)	585285.94	5263551.00	12.98722m (23060424)
585310.94	5263551.00	11.99228 (20101424)	585085.94	5263576.00	5.69737 (22012424)
585110.94	5263576.00	5.06152 (22012424)	585135.94	5263576.00	4.30799 (22012424)
585160.94	5263576.00	4.34394b (20102424)	585185.94	5263576.00	4.97936b (20102424)
585210.94	5263576.00	5.85269b (21122924)	585235.94	5263576.00	6.98450b (21122924)
585260.94	5263576.00	10.78774m (23060424)	585285.94	5263576.00	13.49405m (23060424)
585310.94	5263576.00	13.49299m (23060424)	584785.94	5263601.00	3.28642c (21123024)
584810.94	5263601.00	3.78108c (21123024)	584835.94	5263601.00	4.24550c (21123024)
584860.94	5263601.00	4.66399c (21123024)	584885.94		

```
5263601.00        4.95792c (21123024)
        584910.94   5263601.00        5.11273c (21123024)                584935.94
5263601.00        5.18539c (21123024)
        584960.94   5263601.00        5.05359c (21123024)                584985.94
5263601.00        4.81062c (21123024)
        585010.94   5263601.00        5.41104  (22012424)                585035.94
5263601.00        5.86963  (22012424)
        585060.94   5263601.00        6.19720  (22012424)                585085.94
5263601.00        6.23369  (22012424)
        585110.94   5263601.00        5.78126  (22012424)                585135.94
5263601.00        5.07829  (22012424)
        585160.94   5263601.00        4.30712  (22012424)                585185.94
5263601.00        4.78651b (20102424)
        585210.94   5263601.00        5.46329b (21122924)                585235.94
5263601.00        6.65454b (21122924)
        585260.94   5263601.00        9.38082m (23060424)                585285.94
5263601.00       13.21207m (23060424)
        585310.94   5263601.00       14.77747m (23060424)                584435.94
5263626.00        1.17459c (22120124)
        584460.94   5263626.00        1.12419c (22120124)                584760.94
5263626.00        2.77695  (22012724)
        584785.94   5263626.00        3.00266  (22012724)                584810.94
5263626.00        3.51915c (21123024)
        584835.94   5263626.00        4.05862c (21123024)                584860.94
5263626.00        4.61470c (21123024)
        584885.94   5263626.00        5.06304c (21123024)                584910.94
5263626.00        5.36155c (21123024)
        584935.94   5263626.00        5.56569c (21123024)                584960.94
5263626.00        5.56136c (21123024)
        584985.94   5263626.00        5.41046c (21123024)                585010.94
5263626.00        5.14992c (21123024)
        585035.94   5263626.00        5.66105  (22012424)                585060.94
5263626.00        6.20612  (22012424)
        585085.94   5263626.00        6.54722  (22012424)                585110.94
5263626.00        6.37004  (22012424)
        585135.94   5263626.00        5.81355  (22012424)                585160.94
5263626.00        5.09834  (22012424)
        585185.94   5263626.00        4.57028b (20102424)                585210.94
5263626.00        5.33142b (20102424)
        585235.94   5263626.00        6.23756b (21122924)                585260.94
5263626.00        7.66711b (21122924)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                      ***        11:09:37

                                 PAGE  49
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                             *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
```

VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
585285.94	5263626.00	12.07039m	(23060424)	585310.94	5263626.00	15.26754m	(23060424)
584410.94	5263651.00	1.44724c	(22120124)	584435.94	5263651.00	1.39802c	(22120124)
584460.94	5263651.00	1.34720c	(22120124)	584485.94	5263651.00	1.32199c	(22120124)
584510.94	5263651.00	1.43251	(21050224)	584535.94	5263651.00	1.71140	(21050224)
584585.94	5263651.00	2.33054	(21050224)	584610.94	5263651.00	2.61410	(21050224)
584635.94	5263651.00	2.84657	(21050224)	584660.94	5263651.00	3.00213	(21050224)
584685.94	5263651.00	3.18180	(21050224)	584710.94	5263651.00	3.12784	(21050224)
584735.94	5263651.00	2.92123	(21050224)	584760.94	5263651.00	2.71214	(21050224)
584785.94	5263651.00	3.04409	(22012724)	584810.94	5263651.00	3.31986	(22012724)
584835.94	5263651.00	3.75423c	(21123024)	584860.94	5263651.00	4.42360c	(21123024)
584885.94	5263651.00	5.04468c	(21123024)	584910.94	5263651.00	5.48251c	(21123024)
584935.94	5263651.00	5.77763c	(21123024)	584960.94	5263651.00	5.94700c	(21123024)
584985.94	5263651.00	5.95601c	(21123024)	585010.94	5263651.00	5.79527c	(21123024)
585035.94	5263651.00	5.38259c	(21123024)	585060.94	5263651.00	6.05763	(22012424)
585085.94	5263651.00	6.64443	(22012424)	585110.94	5263651.00	6.74081	(22012424)
585135.94	5263651.00	6.45114	(22012424)	585160.94	5263651.00	5.94831	(22012424)
585185.94	5263651.00	5.36405	(22012424)	585210.94	5263651.00	5.19342b	(20102424)
585235.94	5263651.00	6.01400b	(20102424)	585260.94	5263651.00	7.23899b	(21122924)
585285.94	5263651.00	10.17235m	(23060424)	585310.94			

```
5263651.00       14.54947m (23060424)
        584410.94   5263676.00        1.66071c (22120124)                584435.94
5263676.00        1.63048c (22120124)
        584460.94   5263676.00        1.59453c (22120124)                584485.94
5263676.00        1.56207c (22120124)
        584510.94   5263676.00        1.54585c (22120124)                584535.94
5263676.00        1.45625c (22120124)
        584560.94   5263676.00        1.66909  (21050224)                584585.94
5263676.00        2.06165  (21050224)
        584610.94   5263676.00        2.42463  (21050224)                584635.94
5263676.00        2.72171  (21050224)
        584660.94   5263676.00        2.99173  (21050224)                584685.94
5263676.00        3.31570  (21050224)
        584710.94   5263676.00        3.62659  (21050224)                584735.94
5263676.00        3.66455  (21050224)
        584760.94   5263676.00        3.47695  (21050224)                584785.94
5263676.00        3.30106  (21050224)
        584810.94   5263676.00        3.34518  (22012724)                584835.94
5263676.00        3.62814  (22012724)
        584860.94   5263676.00        4.09858c (21123024)                584885.94
5263676.00        4.82623c (21123024)
        584910.94   5263676.00        5.35628c (21123024)                584935.94
5263676.00        5.80880c (21123024)
        584960.94   5263676.00        6.20446c (21123024)                584985.94
5263676.00        6.35503c (21123024)
        585010.94   5263676.00        6.35139c (21123024)                585035.94
5263676.00        6.07472c (21123024)
        585060.94   5263676.00        5.80973  (22012424)                585085.94
5263676.00        6.70721  (22012424)
        585110.94   5263676.00        7.31297  (22012424)                585135.94
5263676.00        7.60010  (22012424)
        585160.94   5263676.00        7.42787  (22012424)                585185.94
5263676.00        6.54793  (22012424)
        585210.94   5263676.00        5.77088  (22012424)                585235.94
5263676.00        5.92752b (20102424)
        585260.94   5263676.00        7.04480b (20102424)                585285.94
5263676.00        8.51173m (22062324)
        585310.94   5263676.00       12.86793m (23060424)                585335.94
5263676.00       16.44338m (23060424)
        584410.94   5263701.00        1.87519c (22120124)                584435.94
5263701.00        1.88985c (22120124)
        584460.94   5263701.00        1.87053c (22120124)                584485.94
5263701.00        1.81611c (22120124)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        11:09:37

                                  PAGE  50
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
```

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
584510.94	5263701.00	1.81229c	(22120124)	584535.94	5263701.00	1.77625c	(22120124)
584560.94	5263701.00	1.67621c	(22120124)	584585.94	5263701.00	1.71115	(21050224)
584610.94	5263701.00	2.12943	(21050224)	584635.94	5263701.00	2.56739	(21050224)
584660.94	5263701.00	3.00470	(21050224)	584685.94	5263701.00	3.38140	(21050224)
584710.94	5263701.00	3.77750	(21050224)	584735.94	5263701.00	4.11365	(21050224)
584760.94	5263701.00	4.29932	(21050224)	584785.94	5263701.00	4.15397	(21050224)
584810.94	5263701.00	3.99899	(21050224)	584835.94	5263701.00	3.63517	(21050224)
584860.94	5263701.00	3.97967	(22012724)	584885.94	5263701.00	4.40277c	(21123024)
584910.94	5263701.00	5.02981c	(21123024)	584935.94	5263701.00	5.66525c	(21123024)
584960.94	5263701.00	6.21374c	(21123024)	584985.94	5263701.00	6.58318c	(21123024)
585010.94	5263701.00	6.78941c	(21123024)	585035.94	5263701.00	6.70512c	(21123024)
585060.94	5263701.00	6.53192c	(21123024)	585085.94	5263701.00	6.42665	(22012424)
585110.94	5263701.00	7.29640	(22012424)	585135.94	5263701.00	8.26706	(22012424)
585160.94	5263701.00	8.74581	(22012424)	585185.94	5263701.00	7.84026	(22012424)
585210.94	5263701.00	6.97396	(22012424)	585235.94	5263701.00	6.07825	(22012424)
585260.94	5263701.00	6.81451b	(20102424)	585285.94	5263701.00	8.23677b	(20102424)
585310.94	5263701.00	11.23760m	(23060424)	585335.94	5263701.00	16.26898m	(23060424)
584410.94	5263726.00	2.08135c	(22120124)	584435.94			

```
5263726.00        2.12558c (22120124)
        584460.94   5263726.00        2.12185c (22120124)                584485.94
5263726.00        2.07815c (22120124)
        584510.94   5263726.00        2.04395c (22120124)                584535.94
5263726.00        2.01588c (22120124)
        584560.94   5263726.00        1.98261c (22120124)                584585.94
5263726.00        1.92520c (22120124)
        584610.94   5263726.00        1.89905c (23121524)                584635.94
5263726.00        2.17432  (21050224)
        584660.94   5263726.00        2.72296  (21050224)                584685.94
5263726.00        3.32753  (21050224)
        584710.94   5263726.00        3.77323  (21050224)                584735.94
5263726.00        4.19521  (21050224)
        584760.94   5263726.00        4.76403  (21050224)                584785.94
5263726.00        4.83347  (21050224)
        584810.94   5263726.00        4.76003  (21050224)                584835.94
5263726.00        4.54449  (21050224)
        584860.94   5263726.00        4.27681  (21050224)                584885.94
5263726.00        4.36715  (22012724)
        584910.94   5263726.00        4.61349  (22012724)                584935.94
5263726.00        5.27090c (21123024)
        584960.94   5263726.00        5.94599c (21123024)                584985.94
5263726.00        6.58982c (21123024)
        585010.94   5263726.00        7.05914c (21123024)                585035.94
5263726.00        7.18540c (21123024)
        585060.94   5263726.00        7.21390c (21123024)                585085.94
5263726.00        7.05811c (21123024)
        585110.94   5263726.00        7.06824  (22012424)                585135.94
5263726.00        8.52706  (22012424)
        585160.94   5263726.00        9.67579  (22012424)                585185.94
5263726.00        9.44009  (22012424)
        585210.94   5263726.00        8.58151  (22012424)                585235.94
5263726.00        7.65459  (22012424)
        585260.94   5263726.00        6.66605b (20102424)                585285.94
5263726.00        8.33877b (20102424)
        584460.94   5263751.00        2.32291c (22120124)                584485.94
5263751.00        2.30972c (22120124)
        584510.94   5263751.00        2.28181c (22120124)                584535.94
5263751.00        2.26056c (22120124)
        584560.94   5263751.00        2.26474c (22120124)                584585.94
5263751.00        2.25211c (22120124)
        584610.94   5263751.00        2.18043c (22120124)                584635.94
5263751.00        2.20722c (23121524)
        584660.94   5263751.00        2.64961c (23121524)                584685.94
5263751.00        2.96260  (21050224)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                      ***       11:09:37
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
584710.94	5263751.00	3.46424	(21050224)	584735.94	5263751.00	3.97184	(21050224)
584760.94	5263751.00	4.84942	(21050224)	584785.94	5263751.00	5.22454	(21050224)
584810.94	5263751.00	5.22104	(21050224)	584835.94	5263751.00	5.20414	(21050224)
584910.94	5263751.00	4.61123	(21050224)	584935.94	5263751.00	4.99901	(22012724)
584960.94	5263751.00	5.64847c	(21123024)	584985.94	5263751.00	6.39578c	(21123024)
585010.94	5263751.00	7.10374c	(21123024)	585035.94	5263751.00	7.49029c	(21123024)
585060.94	5263751.00	7.81287c	(21123024)	585085.94	5263751.00	7.97225c	(21123024)
585110.94	5263751.00	8.05487c	(21123024)	585135.94	5263751.00	8.65001	(22012424)
585160.94	5263751.00	10.11338	(22012424)	585185.94	5263751.00	10.79415	(22012424)
584460.94	5263776.00	2.45884c	(22120124)	584485.94	5263776.00	2.48610c	(22120124)
584510.94	5263776.00	2.49749c	(22120124)	584535.94	5263776.00	2.49839c	(22120124)
584560.94	5263776.00	2.51975c	(22120124)	584585.94	5263776.00	2.54467c	(22120124)
584610.94	5263776.00	2.52513c	(22120124)	584635.94	5263776.00	2.51990c	(22120124)
584660.94	5263776.00	2.85162c	(23121524)	584685.94	5263776.00	3.17009c	(23121524)
584710.94	5263776.00	3.24206c	(23121524)	584735.94	5263776.00	3.50057	(21050224)
584460.94	5263801.00	2.51066c	(22120124)	584485.94	5263801.00	2.58354c	(22120124)
584510.94	5263801.00	2.65064c	(22120124)	584535.94			

```
5263801.00        2.69439c (22120124)
        584560.94   5263801.00        2.73562c (22120124)                584585.94
5263801.00        2.80132c (22120124)
        584610.94   5263801.00        2.85219c (22120124)                584635.94
5263801.00        2.90810c (22120124)
        584660.94   5263801.00        3.02323  (22051524)                584685.94
5263801.00        2.97334c (23121524)
        584710.94   5263801.00        3.29002c (23121524)                584735.94
5263801.00        3.79062c (23121524)
        584460.94   5263826.00        2.46584c (22120124)                584485.94
5263826.00        2.58298c (22120124)
        584510.94   5263826.00        2.70283c (22120124)                584535.94
5263826.00        2.80356c (22120124)
        584560.94   5263826.00        2.88599c (22120124)                584585.94
5263826.00        3.02147c (22120124)
        584610.94   5263826.00        3.13105c (22120124)                584635.94
5263826.00        3.20389c (22120124)
        584660.94   5263826.00        3.29866c (22120124)                584685.94
5263826.00        3.49667  (22051524)
        584710.94   5263826.00        3.52403  (22051524)                584460.94
5263851.00        2.33359c (22120124)
        584485.94   5263851.00        2.50744c (22120124)                584510.94
5263851.00        2.66961c (22120124)
        584535.94   5263851.00        2.81689c (22120124)                584560.94
5263851.00        2.96449c (22120124)
        584585.94   5263851.00        3.15858c (22120124)                584610.94
5263851.00        3.33532c (22120124)
        584635.94   5263851.00        3.45599c (22120124)                584660.94
5263851.00        3.57677c (22120124)
        584685.94   5263851.00        3.72174  (22051524)                584710.94
5263851.00        4.08869  (22051524)
        584460.94   5263876.00        2.39016c (19120624)                584485.94
5263876.00        2.42049c (19120624)
        584510.94   5263876.00        2.51456c (22120124)                584535.94
5263876.00        2.70518c (22120124)
        584560.94   5263876.00        2.90759c (22120124)                584585.94
5263876.00        3.13781c (22120124)
        584610.94   5263876.00        3.37415c (22120124)                584635.94
5263876.00        3.57220c (22120124)
        584660.94   5263876.00        3.74720c (22120124)                584685.94
5263876.00        3.87983c (22120124)
        584710.94   5263876.00        3.97422  (22051524)                584435.94
5263901.00        2.49479c (19120624)
        584460.94   5263901.00        2.59497c (19120624)                584485.94
5263901.00        2.66445c (19120624)
        584510.94   5263901.00        2.73810c (19120624)                584535.94
5263901.00        2.75630c (19120624)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
584560.94	5263901.00	2.76467c	(19120624)	584585.94	5263901.00	2.97129c	(22120124)
584610.94	5263901.00	3.24537c	(22120124)	584635.94	5263901.00	3.51246c	(22120124)
584660.94	5263901.00	3.75409c	(22120124)	584685.94	5263901.00	3.93800c	(22120124)
584710.94	5263901.00	4.10156c	(22120124)	584435.94	5263926.00	2.61724c	(19120624)
584460.94	5263926.00	2.75228c	(19120624)	584485.94	5263926.00	2.85156c	(19120624)
584510.94	5263926.00	2.94318c	(19120624)	584535.94	5263926.00	3.01647c	(19120624)
584560.94	5263926.00	3.07591c	(19120624)	584585.94	5263926.00	3.11887c	(19120624)
584610.94	5263926.00	3.12470c	(19120624)	584635.94	5263926.00	3.28591c	(22120124)
584660.94	5263926.00	3.58000c	(22120124)	584685.94	5263926.00	3.82147c	(22120124)
584710.94	5263926.00	4.06365c	(22120124)	584435.94	5263951.00	2.65601c	(19120624)
584460.94	5263951.00	2.83589c	(19120624)	584485.94	5263951.00	2.97710c	(19120624)
584510.94	5263951.00	3.05939c	(19120624)	584535.94	5263951.00	3.16130c	(19120624)
584560.94	5263951.00	3.27044c	(19120624)	584585.94	5263951.00	3.37735c	(22012224)
584610.94	5263951.00	3.49696c	(22012224)	584635.94	5263951.00	3.59371c	(22012224)
584660.94	5263951.00	3.60062c	(22012224)	584410.94	5263976.00	2.58763c	(21010824)
584435.94	5263976.00	2.74065c	(21010824)	584460.94			

```
5263976.00        2.89306c (21010824)
        584485.94   5263976.00        3.04278c (21010824)               584510.94
5263976.00        3.22126c (21010824)
        584535.94   5263976.00        3.54022c (21010824)               584560.94
5263976.00        3.69807c (21010824)
        584585.94   5263976.00        3.74971c (21010824)               584610.94
5263976.00        3.83737c (22012224)
        584635.94   5263976.00        4.09396c (22012224)               584410.94
5264001.00        2.79696c (20122824)
        584435.94   5264001.00        2.71205c (20122824)               584460.94
5264001.00        2.89680c (21010824)
        584485.94   5264001.00        3.10982c (21010824)               584510.94
5264001.00        3.42489c (21010824)
        584535.94   5264001.00        3.85873c (21010824)               584560.94
5264001.00        4.06478c (21010824)
        584585.94   5264001.00        4.15809c (21010824)               584610.94
5264001.00        4.35925c (21010824)
        584410.94   5264026.00        3.79366c (20122824)               584435.94
5264026.00        3.77697c (20122824)
        584460.94   5264026.00        3.74545c (20122824)               584485.94
5264026.00        3.75808c (20122824)
        584510.94   5264026.00        4.15094c (20122824)               584535.94
5264026.00        4.35374c (20122824)
        584560.94   5264026.00        4.17093c (21010824)               584385.94
5264051.00        4.49356c (20122824)
        584410.94   5264051.00        4.59103c (20122824)               584435.94
5264051.00        4.69546c (20122824)
        584460.94   5264051.00        4.78298c (20122824)               584485.94
5264051.00        4.94706c (20122824)
        584510.94   5264051.00        5.77597c (20122824)               584535.94
5264051.00        6.06921c (20122824)
        584385.94   5264076.00        4.86020c (20122824)               584410.94
5264076.00        5.04553c (20122824)
        584435.94   5264076.00        5.28282c (20122824)               584460.94
5264076.00        5.52122c (20122824)
        584485.94   5264076.00        5.83763c (20122824)               584385.94
5264101.00        4.81942c (20122824)
        584410.94   5264101.00        5.09385c (20122824)               584435.94
5264101.00        5.42246c (20122824)
        584460.94   5264101.00        5.91345c (20122824)               584385.94
5264126.00        4.88193c (22012324)
        584410.94   5264126.00        5.08836c (22012324)               584485.94
5264426.00        4.33863c (22031424)
        584510.94   5264426.00        4.45923c (22031424)               584485.94
5264451.00        4.48056  (22012424)
        584510.94   5264451.00        4.64165  (22012424)               584535.94
5264451.00        4.84879  (22012424)
        584460.94   5264476.00        4.92264  (22012424)               584485.94
5264476.00        5.04958  (22012424)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
```

Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***   11/04/25
*** AERMET - VERSION 24142 ***   ***
***   11:09:37

PAGE 53

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   STCK1   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
584510.94	5264476.00	5.18238	(22012424)	584535.94	5264476.00	5.36813	(22012424)
584560.94	5264476.00	5.55389	(22012424)	584485.94	5264501.00	5.32402	(22012424)
584510.94	5264501.00	5.40505	(22012424)	584535.94	5264501.00	5.54370	(22012424)
584560.94	5264501.00	5.62330	(22012424)	584585.94	5264501.00	5.61257	(22012424)
584510.94	5264526.00	5.18597	(22012424)	584535.94	5264526.00	5.28118	(22012424)
584560.94	5264526.00	5.31339	(22012424)	584585.94	5264526.00	5.27575	(22012424)
584610.94	5264526.00	5.21549	(22012424)	584635.94	5264526.00	5.17772	(22012424)
584535.94	5264551.00	4.65801	(22012424)	584560.94	5264551.00	4.64682	(22012424)
584585.94	5264551.00	4.61421	(22012424)	584610.94	5264551.00	4.57276	(22012424)
584635.94	5264551.00	4.55531	(22012424)	584660.94	5264551.00	4.39391	(22012424)
584535.94	5264576.00	3.85679	(22012424)	584560.94	5264576.00	3.79701	(22012424)
584585.94	5264576.00	3.76765	(22012424)	584610.94	5264576.00	3.86743	(23031824)
584635.94	5264576.00	4.26057	(23031824)	584660.94	5264576.00	4.16708	(23031824)
584685.94	5264576.00	3.87588	(19022324)	584710.94	5264576.00	3.91846	(19022324)
584535.94	5264601.00	3.49814	(23031824)	584560.94			

```
5264601.00        3.58388  (23031824)
        584585.94   5264601.00        3.81758  (23031824)                584610.94
5264601.00        4.65708  (23031824)
        584635.94   5264601.00        4.98447  (23031824)                584660.94
5264601.00        4.73994  (19022324)
        584685.94   5264601.00        4.57189  (19022324)                584710.94
5264601.00        4.69228  (19022324)
        584735.94   5264601.00        4.82613  (19022324)                584760.94
5264601.00        5.13506  (22122224)
        586785.94   5264601.00        9.57133c (20021224)                586810.94
5264601.00        9.35842c (20021224)
        586835.94   5264601.00        9.14030c (20021224)                586860.94
5264601.00        8.91876c (20021224)
        586885.94   5264601.00        8.69655c (20021224)                586910.94
5264601.00        8.47442c (20021224)
        584510.94   5264626.00        3.60854  (19022324)                584535.94
5264626.00        3.88770  (19022324)
        584560.94   5264626.00        4.07227  (19022324)                584585.94
5264626.00        4.30237  (19022324)
        584610.94   5264626.00        4.81491  (19022324)                584635.94
5264626.00        5.14484  (19022324)
        584660.94   5264626.00        5.09681  (19022324)                584685.94
5264626.00        5.00228  (19022324)
        584710.94   5264626.00        5.15825  (19022324)                584735.94
5264626.00        5.40678  (22122224)
        584760.94   5264626.00        5.77435  (22122224)                584785.94
5264626.00        6.17947  (22122224)
        584810.94   5264626.00        6.59538  (22122224)                586760.94
5264626.00        9.02058c (20021224)
        586785.94   5264626.00        8.89899c (20021224)                586810.94
5264626.00        8.76390c (20021224)
        586835.94   5264626.00        8.61778c (20021224)                586860.94
5264626.00        8.46294c (20021224)
        586885.94   5264626.00        8.30154c (20021224)                586910.94
5264626.00        8.13514c (20021224)
        584485.94   5264651.00        3.80714  (19022324)                584510.94
5264651.00        4.05607  (19022324)
        584535.94   5264651.00        4.25936  (19022324)                584560.94
5264651.00        4.44393  (19022324)
        584585.94   5264651.00        4.58506  (19022324)                584610.94
5264651.00        4.93360  (19022324)
        584635.94   5264651.00        5.23382  (19022324)                584660.94
5264651.00        5.15667  (19022324)
        584685.94   5264651.00        5.23093  (22122224)                584710.94
5264651.00        5.58564  (22122224)
        584735.94   5264651.00        5.94790  (22122224)                584760.94
5264651.00        6.32719  (22122224)
        584785.94   5264651.00        6.72613  (22122224)                584810.94
5264651.00        7.12730  (22122224)
        584835.94   5264651.00        7.54750  (22122224)                584860.94
```

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   STCK1   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        586735.94   5264651.00   8.13563c (20021224)   586760.94
5264651.00   8.11716c (20021224)
        586785.94   5264651.00   8.07779c (20021224)   586810.94
5264651.00   8.01990c (20021224)
        586835.94   5264651.00   7.94592c (20021224)   586860.94
5264651.00   7.85817c (20021224)
        586885.94   5264651.00   7.75888c (20021224)   586910.94
5264651.00   7.64987c (20021224)
        584485.94   5264676.00   3.99833 (19022324)   584510.94
5264676.00   4.20961 (19022324)
        584535.94   5264676.00   4.41203 (19022324)   584560.94
5264676.00   4.53319 (19022324)
        584585.94   5264676.00   4.61870 (19022324)   584610.94
5264676.00   4.79118 (19022324)
        584635.94   5264676.00   5.04037 (22122224)   584660.94
5264676.00   5.34728 (22122224)
        584685.94   5264676.00   5.67553 (22122224)   584710.94
5264676.00   6.02791 (22122224)
        584735.94   5264676.00   6.37855 (22122224)   584760.94
5264676.00   6.74376 (22122224)
        584785.94   5264676.00   7.11218 (22122224)   584810.94
5264676.00   7.47645 (22122224)
        584835.94   5264676.00   7.84023 (22122224)   584860.94
5264676.00   8.19670 (22122224)
        584885.94   5264676.00   8.55598 (22122224)   584910.94
5264676.00   9.20450 (19021924)
        586135.94   5264676.00   25.27238b (22061424)   586710.94

```
5264676.00        7.75287  (23090624)
        586735.94   5264676.00        7.33743c (22100524)                586760.94
5264676.00        7.12092c (20021224)
        586785.94   5264676.00        7.15692c (20021224)                586810.94
5264676.00        7.17152c (20021224)
        586835.94   5264676.00        7.16665c (20021224)                586860.94
5264676.00        7.14406c (20021224)
        584460.94   5264701.00        3.82608  (19022324)                584485.94
5264701.00        3.96075  (19022324)
        584510.94   5264701.00        4.12014  (19022324)                584535.94
5264701.00        4.27261  (19022324)
        584560.94   5264701.00        4.52862  (22122224)                584585.94
5264701.00        4.80361  (22122224)
        584610.94   5264701.00        5.09033  (22122224)                584635.94
5264701.00        5.39375  (22122224)
        584660.94   5264701.00        5.70329  (22122224)                584685.94
5264701.00        6.02230  (22122224)
        584710.94   5264701.00        6.35171  (22122224)                584735.94
5264701.00        6.67050  (22122224)
        584760.94   5264701.00        6.99319  (22122224)                584785.94
5264701.00        7.33432  (19021924)
        584810.94   5264701.00        7.75257  (19021924)                584835.94
5264701.00        8.17288  (19021924)
        584860.94   5264701.00        8.59594  (19021924)                584885.94
5264701.00        9.12226  (19021924)
        584910.94   5264701.00        9.70440  (19021924)                584935.94
5264701.00       10.23573  (19021924)
        584960.94   5264701.00       10.92376  (19021924)                584985.94
5264701.00       12.40789  (19021924)
        586135.94   5264701.00       27.94806c (23112024)                586160.94
5264701.00       22.99068c (23112024)
        586185.94   5264701.00       24.15077b (22061424)                586210.94
5264701.00       25.64848b (22061424)
        586685.94   5264701.00        8.87016  (23090624)                586710.94
5264701.00        8.37458  (23090624)
        586735.94   5264701.00        7.87814  (23090624)                586760.94
5264701.00        7.38886  (23090624)
        586785.94   5264701.00        6.91362  (23090624)                586810.94
5264701.00        6.62187c (22100524)
        586835.94   5264701.00        6.34930c (22100524)                584435.94
5264726.00        3.63270  (22122224)
        584460.94   5264726.00        3.84645  (22122224)                584485.94
5264726.00        4.07606  (22122224)
        584510.94   5264726.00        4.31897  (22122224)                584535.94
5264726.00        4.57468  (22122224)
        584560.94   5264726.00        4.84015  (22122224)                584585.94
5264726.00        5.11414  (22122224)
        584610.94   5264726.00        5.39094  (22122224)                584635.94
5264726.00        5.67498  (22122224)
        584660.94   5264726.00        5.95859  (22122224)                584685.94
```

```
5264726.00        6.31010  (19021924)
        584710.94   5264726.00        6.76796  (19021924)                584735.94
5264726.00        7.18598  (19021924)
↑ *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        11:09:37

                                          PAGE  55
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                       *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL       ***
                                          INCLUDING SOURCE(S):     STCK1       ,

                                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        584760.94   5264726.00        7.60190  (19021924)                584785.94
5264726.00        7.96922  (19021924)
        584810.94   5264726.00        8.32813  (19021924)                584835.94
5264726.00        8.67585  (19021924)
        584860.94   5264726.00        9.07387  (19021924)                584885.94
5264726.00        9.51927  (19021924)
        584910.94   5264726.00        9.97385  (19021924)                584935.94
5264726.00       10.47276  (19021924)
        584960.94   5264726.00       11.45768  (19021924)                584985.94
5264726.00       12.81746  (19021924)
        585010.94   5264726.00       13.48092  (19021624)                585035.94
5264726.00       14.15531  (19021624)
        585060.94   5264726.00       18.16382  (19020624)                585085.94
5264726.00       22.44701  (19020624)
        586110.94   5264726.00       32.25045c (23112024)                586135.94
5264726.00       29.82852c (23112024)
        586160.94   5264726.00       26.16350c (23112024)                586185.94
5264726.00       21.94027c (23112024)
        586210.94   5264726.00       20.98194b (22061424)                586235.94
5264726.00       22.74052b (22061424)
        586260.94   5264726.00       23.52319b (22061424)                586685.94
5264726.00        9.10496  (23090624)
        586710.94   5264726.00        8.73537  (23090624)                586735.94
5264726.00        8.33339  (23090624)
        586760.94   5264726.00        7.90977  (23090624)                586785.94
```

```
5264726.00        7.47501  (23090624)
        586810.94   5264726.00        7.03933  (23090624)                584410.94
5264751.00        3.69912  (22122224)
        584435.94   5264751.00        3.91302  (22122224)                584460.94
5264751.00        4.13189  (22122224)
        584485.94   5264751.00        4.35666  (22122224)                584510.94
5264751.00        4.59264  (22122224)
        584535.94   5264751.00        4.83838  (22122224)                584560.94
5264751.00        5.08773  (22122224)
        584585.94   5264751.00        5.34291  (22122224)                584610.94
5264751.00        5.61729  (19021924)
        584635.94   5264751.00        6.02705  (19021924)                584660.94
5264751.00        6.43817  (19021924)
        584685.94   5264751.00        6.84204  (19021924)                584710.94
5264751.00        7.25768  (19021924)
        584735.94   5264751.00        7.67022  (19021924)                584760.94
5264751.00        8.05344  (19021924)
        584785.94   5264751.00        8.39061  (19021924)                584810.94
5264751.00        8.72370  (19021924)
        584835.94   5264751.00        9.07628  (19021924)                584860.94
5264751.00        9.45187  (19021924)
        584885.94   5264751.00        9.83525  (19021924)                584910.94
5264751.00       10.43072  (19021924)
        584935.94   5264751.00       11.12998  (19021924)                584960.94
5264751.00       12.07931  (19021624)
        584985.94   5264751.00       14.33917  (19021624)                585010.94
5264751.00       16.81541  (19020624)
        585035.94   5264751.00       19.43891  (19020624)                585060.94
5264751.00       22.30135  (19020624)
        585085.94   5264751.00       23.67143  (19020624)                585110.94
5264751.00       25.07078m (22110224)
        585135.94   5264751.00       28.24405  (20110224)                585160.94
5264751.00       30.72284  (20110224)
        585185.94   5264751.00       31.25722  (20110224)                585210.94
5264751.00       35.38613c (19011524)
        585235.94   5264751.00       38.13450c (19011524)                586110.94
5264751.00       29.82694c (23112024)
        586135.94   5264751.00       29.49497c (23112024)                586160.94
5264751.00       27.56522c (23112024)
        586185.94   5264751.00       24.52194c (23112024)                586210.94
5264751.00       20.91163c (23112024)
        586235.94   5264751.00       18.23696b (22061424)                586260.94
5264751.00       20.11609b (22061424)
        586285.94   5264751.00       21.21596b (22061424)                586310.94
5264751.00       21.50378b (22061424)
        586335.94   5264751.00       21.04559b (22061424)                586660.94
5264751.00        9.03895  (23090624)
        586685.94   5264751.00        8.91440  (23090624)                586710.94
5264751.00        8.72103  (23090624)
        586735.94   5264751.00        8.46870  (23090624)                586760.94
```

5264751.00 8.16699 (23090624)
586785.94 5264751.00 7.82942 (23090624) 586810.94
5264751.00 7.46683 (23090624)
584410.94 5264776.00 3.94206 (22122224) 584435.94
5264776.00 4.15660 (22122224)

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
584460.94	5264776.00	4.37378	(22122224)	584485.94	5264776.00	4.58537	(22122224)
584510.94	5264776.00	4.80461	(22122224)	584535.94	5264776.00	5.02596	(22122224)
584560.94	5264776.00	5.29160	(19021924)	584585.94	5264776.00	5.70383	(19021924)
584610.94	5264776.00	6.09071	(19021924)	584635.94	5264776.00	6.46125	(19021924)
584660.94	5264776.00	6.84072	(19021924)	584685.94	5264776.00	7.21048	(19021924)
584710.94	5264776.00	7.59513	(19021924)	584735.94	5264776.00	7.96396	(19021924)
584760.94	5264776.00	8.33403	(19021924)	584785.94	5264776.00	8.67875	(19021924)
584810.94	5264776.00	9.00879	(19021924)	584835.94	5264776.00	9.37414	(19021924)
584860.94	5264776.00	9.76456	(19021924)	584885.94	5264776.00	10.11719	(19021924)
584910.94	5264776.00	10.64360	(19021924)	584935.94	5264776.00	12.52405	(19021624)
584960.94	5264776.00	15.50561	(19020624)	584985.94	5264776.00	19.07631	(19020624)
585010.94	5264776.00	20.87183	(19020624)	585035.94			

5264776.00 21.83232 (19020624)
585060.94 5264776.00 21.72749 (19020624) 585085.94
5264776.00 23.80449 (20110224)
585110.94 5264776.00 27.21937 (20110224) 585135.94
5264776.00 28.21603 (20110224)
585160.94 5264776.00 27.23511 (20110224) 585185.94
5264776.00 29.33369c (19011524)
585210.94 5264776.00 31.58387c (19011524) 585235.94
5264776.00 37.05695m (21100524)
585260.94 5264776.00 44.72717m (21100524) 585685.94
5264776.00 150.08213 (19122524)
586110.94 5264776.00 25.91671c (23112024) 586135.94
5264776.00 27.27591c (23112024)
586160.94 5264776.00 27.10091c (23112024) 586185.94
5264776.00 25.55523c (23112024)
586210.94 5264776.00 23.01459c (23112024) 586235.94
5264776.00 19.91770c (23112024)
586260.94 5264776.00 16.66077c (23112024) 586285.94
5264776.00 17.77251b (22061424)
586310.94 5264776.00 19.06789b (22061424) 586335.94
5264776.00 19.68430b (22061424)
586360.94 5264776.00 19.63569b (22061424) 586385.94
5264776.00 19.00196b (22061424)
586635.94 5264776.00 8.05169 (23090624) 586660.94
5264776.00 8.21983 (23090624)
586685.94 5264776.00 8.30051 (23090624) 586710.94
5264776.00 8.29980 (23090624)
586735.94 5264776.00 8.22476 (23090624) 586760.94
5264776.00 8.08310 (23090624)
586785.94 5264776.00 7.88450 (23090624) 586810.94
5264776.00 7.63933 (23090624)
584410.94 5264801.00 4.14555 (22122224) 584435.94
5264801.00 4.34769 (22122224)
584460.94 5264801.00 4.54872 (22122224) 584485.94
5264801.00 4.73986 (22122224)
584510.94 5264801.00 4.96061 (19021924) 584535.94
5264801.00 5.29748 (19021924)
584560.94 5264801.00 5.65818 (19021924) 584585.94
5264801.00 6.03380 (19021924)
584610.94 5264801.00 6.40243 (19021924) 584635.94
5264801.00 6.74088 (19021924)
584660.94 5264801.00 7.08626 (19021924) 584685.94
5264801.00 7.43328 (19021924)
584710.94 5264801.00 7.79892 (19021924) 584735.94
5264801.00 8.16410 (19021924)
584760.94 5264801.00 8.54965 (19021924) 584785.94
5264801.00 8.89896 (19021924)
584810.94 5264801.00 9.22823 (19021924) 584835.94
5264801.00 9.51933 (19021924)
584860.94 5264801.00 9.76509 (19021924) 584885.94

5264801.00   10.55034 (19021624)
        584910.94   5264801.00   12.54596 (19020624)   584935.94
5264801.00   16.55699 (19020624)
        584960.94   5264801.00   20.07149 (19020624)   584985.94
5264801.00   22.21169 (19020624)
        585010.94   5264801.00   22.09431 (19020624)   585035.94
5264801.00   21.30843m (22110224)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   STCK1   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        585060.94   5264801.00   23.50588 (20110224)   585085.94
5264801.00   25.24165 (20110224)
        585110.94   5264801.00   26.01743 (20110224)   585135.94
5264801.00   24.98838c (19011524)
        585160.94   5264801.00   26.25604c (19011524)   585185.94
5264801.00   27.13173b (22120924)
        585210.94   5264801.00   31.87112m (21100524)   585235.94
5264801.00   38.51894m (21100524)
        585260.94   5264801.00   45.61102 (19110724)   585710.94
5264801.00   132.83573 (19122524)
        585735.94   5264801.00   126.18856 (21033124)   585760.94
5264801.00   125.66213 (21033124)
        586135.94   5264801.00   23.82066c (23112024)   586160.94
5264801.00   25.06622c (23112024)
        586185.94   5264801.00   25.00598c (23112024)   586210.94
5264801.00   23.76321c (23112024)
        586235.94   5264801.00   21.63178c (23112024)   586260.94
5264801.00   18.96619c (23112024)
        586285.94   5264801.00   16.09836c (23112024)   586310.94
5264801.00   15.69508b (22061424)
        586335.94   5264801.00   17.09581b (22061424)   586360.94

5264801.00   17.94026b (22061424)
        586385.94   5264801.00   18.20678b (22061424)   586410.94
5264801.00   17.93319b (22061424)
        586435.94   5264801.00   17.20066b (22061424)   586610.94
5264801.00   9.08828 (19111824)
        586635.94   5264801.00   8.52843 (19111824)   586660.94
5264801.00   7.95263 (19111824)
        586685.94   5264801.00   7.37497 (19111824)   586710.94
5264801.00   7.52160 (23090624)
        586735.94   5264801.00   7.61955 (23090624)   586760.94
5264801.00   7.64475 (23090624)
        586785.94   5264801.00   7.60295 (23090624)   586810.94
5264801.00   7.50111 (23090624)
        584410.94   5264826.00   4.29835 (22122224)   584435.94
5264826.00   4.47593 (22122224)
        584460.94   5264826.00   4.69362 (19021924)   584485.94
5264826.00   4.95499 (19021924)
        584510.94   5264826.00   5.24501 (19021924)   584535.94
5264826.00   5.57252 (19021924)
        584560.94   5264826.00   5.90693 (19021924)   584585.94
5264826.00   6.23215 (19021924)
        584610.94   5264826.00   6.54876 (19021924)   584635.94
5264826.00   6.82990 (19021924)
        584660.94   5264826.00   7.10767 (19021924)   584685.94
5264826.00   7.43976 (19021924)
        584710.94   5264826.00   7.85515 (19021924)   584735.94
5264826.00   8.28780 (19021924)
        584760.94   5264826.00   8.68351 (19021924)   584785.94
5264826.00   9.02234 (19021924)
        584810.94   5264826.00   9.33664 (19021624)   584835.94
5264826.00   10.21206 (19021624)
        584860.94   5264826.00   10.61360 (19021624)   584885.94
5264826.00   13.26040 (19020624)
        584910.94   5264826.00   16.12233 (19020624)   584935.94
5264826.00   18.82030 (19020624)
        584960.94   5264826.00   21.24168 (19020624)   584985.94
5264826.00   21.81583 (19020624)
        585010.94   5264826.00   22.75286m (22110224)   585035.94
5264826.00   23.86782 (20110224)
        585060.94   5264826.00   24.13735 (20110224)   585085.94
5264826.00   23.64505 (20110224)
        585110.94   5264826.00   23.36838c (19011524)   585135.94
5264826.00   24.27052c (19011524)
        585160.94   5264826.00   25.17151b (22120924)   585185.94
5264826.00   28.24185m (21100524)
        585210.94   5264826.00   33.82137m (21100524)   585235.94
5264826.00   39.01543 (22011224)
        585260.94   5264826.00   50.45271 (19110724)   585735.94
5264826.00   115.66959 (21033124)
        585760.94   5264826.00   117.48754 (21033124)   585785.94

5264826.00   92.66745 (21033124)
        585810.94   5264826.00   93.11869c (22121324)   586210.94
5264826.00   23.16176c (23112024)
        586235.94   5264826.00   22.15938c (23112024)   586260.94
5264826.00   20.36296c (23112024)
        586285.94   5264826.00   18.06084c (23112024)   586310.94
5264826.00   15.53188c (23112024)
        586335.94   5264826.00   13.86282b (22061424)   586360.94
5264826.00   15.30380b (22061424)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        586385.94   5264826.00   16.29721b (22061424)   586410.94
5264826.00   16.79831b (22061424)
        586435.94   5264826.00   16.81443b (22061424)   586460.94
5264826.00   16.39414b (22061424)
        586485.94   5264826.00   15.61370b (22061424)   586585.94
5264826.00   10.66980b (22061424)
        586610.94   5264826.00   9.35879b (22061424)   586635.94
5264826.00   8.84715 (19111824)
        586660.94   5264826.00   8.38241 (19111824)   586685.94
5264826.00   7.88968 (19111824)
        586710.94   5264826.00   7.38288 (19111824)   586735.94
5264826.00   6.87344 (19111824)
        586760.94   5264826.00   6.90544 (23090624)   586785.94
5264826.00   7.01157 (23090624)
        584410.94   5264851.00   4.42938 (19021924)   584435.94
5264851.00   4.67592 (19021924)
        584460.94   5264851.00   4.91751 (19021924)   584485.94
5264851.00   5.16117 (19021924)
        584510.94   5264851.00   5.44315 (19021924)   584535.94

```
5264851.00        5.74346  (19021924)
        584560.94   5264851.00        6.04511  (19021924)                584585.94
5264851.00        6.32270  (19021924)
        584610.94   5264851.00        6.56045  (19021924)                584635.94
5264851.00        6.74536  (19021924)
        584660.94   5264851.00        6.94714  (19021924)                584685.94
5264851.00        7.23094  (19021924)
        584710.94   5264851.00        7.74742  (19021924)                584735.94
5264851.00        8.25053  (19021924)
        584760.94   5264851.00        8.61990  (19021924)                584785.94
5264851.00        9.57269  (19021624)
        584810.94   5264851.00       10.51203  (19021624)                584835.94
5264851.00       12.44033  (19020624)
        584860.94   5264851.00       14.95065  (19020624)                584885.94
5264851.00       17.38675  (19020624)
        584910.94   5264851.00       18.03202  (19020624)                584935.94
5264851.00       18.67668  (19020624)
        584960.94   5264851.00       19.36452m (22110224)                584985.94
5264851.00       21.28409  (20110224)
        585010.94   5264851.00       23.17623  (20110224)                585035.94
5264851.00       23.97615  (20110224)
        585060.94   5264851.00       22.75127  (20110224)                585085.94
5264851.00       22.96838c (19011524)
        585110.94   5264851.00       23.06787c (19011524)                585135.94
5264851.00       23.76279b (22120924)
        585160.94   5264851.00       26.38359m (21100524)                585185.94
5264851.00       30.16384m (21100524)
        585210.94   5264851.00       34.76259  (22011224)                585235.94
5264851.00       43.92665  (19110724)
        585260.94   5264851.00       52.91171  (19110724)                585285.94
5264851.00       62.05136m (23050624)
        585310.94   5264851.00       69.67728m (23050624)                585735.94
5264851.00      107.41998  (21033124)
        585760.94   5264851.00      110.90192  (21033124)                585785.94
5264851.00       91.20531  (21033124)
        585810.94   5264851.00       84.66117c (22121324)                585835.94
5264851.00       89.40639c (22121324)
        585860.94   5264851.00       81.15023c (22121324)                586260.94
5264851.00       20.71796c (23112024)
        586285.94   5264851.00       19.19797c (23112024)                586310.94
5264851.00       17.20372c (23112024)
        586335.94   5264851.00       14.96975c (23112024)                586360.94
5264851.00       12.69600c (23112024)
        586385.94   5264851.00       13.68703b (22061424)                586410.94
5264851.00       14.76811b (22061424)
        586435.94   5264851.00       15.43820b (22061424)                586460.94
5264851.00       15.68174b (22061424)
        586485.94   5264851.00       15.52152b (22061424)                586510.94
5264851.00       15.00925b (22061424)
        586535.94   5264851.00       14.21413b (22061424)                586560.94
```

5264851.00   13.21256b (22061424)
        586585.94   5264851.00   12.07970b (22061424)   586610.94
5264851.00   10.88308b (22061424)
        586635.94   5264851.00   9.67905b (22061424)   586660.94
5264851.00   8.54979 (19111824)
        586685.94   5264851.00   8.17434 (19111824)   586710.94
5264851.00   7.76181 (19111824)
        586735.94   5264851.00   7.32551 (19111824)   586760.94
5264851.00   6.87668 (19111824)
        584435.94   5264876.00   4.86179 (19021924)   584460.94
5264876.00   5.07162 (19021924)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        584485.94   5264876.00   5.30150 (19021924)   584510.94
5264876.00   5.56016 (19021924)
        584535.94   5264876.00   5.83782 (19021924)   584560.94
5264876.00   6.09272 (19021924)
        584585.94   5264876.00   6.31608 (19021924)   584610.94
5264876.00   6.50507 (19021924)
        584635.94   5264876.00   6.67766 (19021924)   584660.94
5264876.00   6.87859 (19021924)
        584685.94   5264876.00   7.09260 (19021924)   584710.94
5264876.00   7.45370 (19021924)
        584735.94   5264876.00   7.90817 (19021624)   584760.94
5264876.00   9.29346 (19021624)
        584785.94   5264876.00   10.66810 (19020624)   584810.94
5264876.00   13.25529 (19020624)
        584835.94   5264876.00   15.80174 (19020624)   584860.94
5264876.00   17.64419 (19020624)
        584885.94   5264876.00   18.40072 (19020624)   584910.94

5264876.00 18.07662 (19020624)
584935.94 5264876.00 19.03442m (22110224) 584960.94
5264876.00 20.42213 (20110224)
584985.94 5264876.00 21.51458 (20110224) 585010.94
5264876.00 21.53720 (20110224)
585035.94 5264876.00 20.50353 (20110224) 585060.94
5264876.00 22.05137c (19011524)
585085.94 5264876.00 23.14204c (19011524) 585110.94
5264876.00 24.15182b (22120924)
585135.94 5264876.00 26.58027m (21100524) 585160.94
5264876.00 28.73942m (21100524)
585185.94 5264876.00 31.48846 (22011224) 585210.94
5264876.00 38.59469 (19110724)
585235.94 5264876.00 45.76045 (19110724) 585260.94
5264876.00 50.04105m (23050624)
585285.94 5264876.00 59.47709m (23050624) 585310.94
5264876.00 59.90897m (23050624)
585335.94 5264876.00 71.21667c (22111924) 585360.94
5264876.00 82.58256 (20092124)
585760.94 5264876.00 105.31189 (21033124) 585785.94
5264876.00 90.33160 (21033124)
585810.94 5264876.00 77.84613c (22121324) 585835.94
5264876.00 84.75435c (22121324)
585860.94 5264876.00 79.51040c (22121324) 585885.94
5264876.00 67.85758c (20022524)
585910.94 5264876.00 59.07329c (20022524) 585935.94
5264876.00 45.48241c (20022524)
586335.94 5264876.00 16.39491c (23112024) 586360.94
5264876.00 14.41788c (23112024)
586385.94 5264876.00 12.37029c (23112024) 586410.94
5264876.00 12.23573b (22061424)
586435.94 5264876.00 13.35930b (22061424) 586460.94
5264876.00 14.14465b (22061424)
586485.94 5264876.00 14.56185b (22061424) 586510.94
5264876.00 14.61403b (22061424)
586535.94 5264876.00 14.33199b (22061424) 586560.94
5264876.00 13.76595b (22061424)
586585.94 5264876.00 12.97717b (22061424) 586610.94
5264876.00 12.03031b (22061424)
586635.94 5264876.00 10.98706b (22061424) 586660.94
5264876.00 9.90144b (22061424)
586685.94 5264876.00 8.81864b (22061424) 586710.94
5264876.00 7.91793 (19111824)
586735.94 5264876.00 7.58096 (19111824) 586760.94
5264876.00 7.21273 (19111824)
584460.94 5264901.00 5.16520 (19021924) 584485.94
5264901.00 5.37641 (19021924)
584510.94 5264901.00 5.59965 (19021924) 584535.94
5264901.00 5.85133 (19021924)
584560.94 5264901.00 6.10990 (19021924) 584585.94

```
5264901.00        6.32429  (19021924)
        584610.94   5264901.00        6.50886  (19021924)                584635.94
5264901.00        6.68586  (19021924)
        584660.94   5264901.00        6.83936  (19021924)                584685.94
5264901.00        6.94253  (19021924)
        584710.94   5264901.00        7.57087  (19021624)                584735.94
5264901.00        8.62592  (19020624)
        584760.94   5264901.00       10.74180  (19020624)                584785.94
5264901.00       12.89511  (19020624)
        584810.94   5264901.00       14.85509  (19020624)                584835.94
5264901.00       16.37693  (19020624)
        584860.94   5264901.00       17.16723  (19020624)                584885.94
5264901.00       17.02323m (22110224)
```



```
                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        584910.94   5264901.00       18.04241  (20110224)                584935.94
5264901.00       19.60984  (20110224)
        584960.94   5264901.00       20.08745  (20110224)                584985.94
5264901.00       19.56870  (20110224)
        585010.94   5264901.00       18.76286c (19011524)                585035.94
5264901.00       19.94847c (19011524)
        585060.94   5264901.00       20.52004c (19011524)                585085.94
5264901.00       22.27717b (22120924)
        585110.94   5264901.00       26.62616m (21100524)                585135.94
5264901.00       29.46382m (21100524)
        585160.94   5264901.00       30.85955  (22011224)                585185.94
5264901.00       33.97198  (22011224)
        585210.94   5264901.00       37.35293  (19110724)                585235.94
5264901.00       41.25000  (22060924)
        585260.94   5264901.00       48.00665m (23050624)                585285.94
```

5264901.00 50.73433m (23050624)
585310.94 5264901.00 57.77017c (22111924) 585335.94
5264901.00 65.89645 (20092124)
585360.94 5264901.00 78.36389 (20092124) 585785.94
5264901.00 90.24881 (21033124)
585810.94 5264901.00 75.15287c (21010924) 585835.94
5264901.00 81.51994c (22121324)
585860.94 5264901.00 77.58226c (22121324) 585885.94
5264901.00 65.78254c (22121324)
585910.94 5264901.00 59.11972c (20022524) 585935.94
5264901.00 47.97529c (20022524)
585960.94 5264901.00 38.30354 (23030724) 585985.94
5264901.00 37.15623 (23030724)
586385.94 5264901.00 13.88001c (23112024) 586410.94
5264901.00 12.03506c (23112024)
586435.94 5264901.00 10.93869b (22061424) 586460.94
5264901.00 12.07054b (22061424)
586485.94 5264901.00 12.92886b (22061424) 586510.94
5264901.00 13.47446b (22061424)
586535.94 5264901.00 13.69600b (22061424) 586560.94
5264901.00 13.60769b (22061424)
586585.94 5264901.00 13.24336b (22061424) 586610.94
5264901.00 12.65011b (22061424)
586635.94 5264901.00 11.88146b (22061424) 586660.94
5264901.00 10.99147b (22061424)
586685.94 5264901.00 10.03076b (22061424) 586710.94
5264901.00 9.04384b (22061424)
586735.94 5264901.00 8.06701b (22061424) 586760.94
5264901.00 7.35831 (19111824)
584485.94 5264926.00 5.37860 (19021924) 584510.94
5264926.00 5.58353 (19021924)
584535.94 5264926.00 5.82739 (19021924) 584560.94
5264926.00 6.11287 (19021924)
584585.94 5264926.00 6.32157 (19021924) 584610.94
5264926.00 6.47594 (19021924)
584635.94 5264926.00 6.58348 (19021924) 584660.94
5264926.00 6.90616 (19021624)
584685.94 5264926.00 7.37265 (19021624) 584710.94
5264926.00 8.82255 (19020624)
584735.94 5264926.00 10.99310 (19020624) 584760.94
5264926.00 12.73554 (19020624)
584785.94 5264926.00 14.16399 (19020624) 584810.94
5264926.00 14.82918 (19020624)
584835.94 5264926.00 14.64815 (19020624) 584860.94
5264926.00 15.76178m (22110224)
584885.94 5264926.00 17.62413 (20110224) 584910.94
5264926.00 18.67256 (20110224)
584935.94 5264926.00 18.75424 (20110224) 584960.94
5264926.00 17.80050 (20110224)
584985.94 5264926.00 17.67877c (19011524) 585010.94

5264926.00   18.73172c (19011524)
        585035.94   5264926.00   18.13127b (22120924)   585060.94
5264926.00   20.19616b (22120924)
        585085.94   5264926.00   22.98283m (21100524)   585110.94
5264926.00   26.35647m (21100524)
        585135.94   5264926.00   29.59958 (22011224)   585160.94
5264926.00   33.23633 (22011224)
        585185.94   5264926.00   33.31345 (19110724)   585210.94
5264926.00   33.27928 (22060924)
        585235.94   5264926.00   36.58255m (23050624)   585260.94
5264926.00   40.90442m (23050624)
        585285.94   5264926.00   42.21960c (22111924)   585310.94
5264926.00   50.38202c (20112024)
        585335.94   5264926.00   65.15619 (20092124)   585360.94
5264926.00   68.77663 (20092124)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        585810.94   5264926.00   73.96607c (21010924)   585835.94
5264926.00   78.59890c (22121324)
        585860.94   5264926.00   76.14128c (22121324)   585885.94
5264926.00   66.18492c (22121324)
        585910.94   5264926.00   58.80252c (20022524)   585935.94
5264926.00   50.19334c (20022524)
        585960.94   5264926.00   38.13833c (20022524)   585985.94
5264926.00   35.98234 (23030724)
        586010.94   5264926.00   35.08007c (22032224)   586035.94
5264926.00   36.24109c (22032224)
        586435.94   5264926.00   11.69557c (23112024)   586460.94
5264926.00   10.22846 (23021024)
        586485.94   5264926.00   10.89818b (22061424)   586510.94

5264926.00 11.79645b (22061424)
586535.94 5264926.00 12.43276b (22061424) 586560.94
5264926.00 12.78621b (22061424)
586585.94 5264926.00 12.85775b (22061424) 586610.94
5264926.00 12.66775b (22061424)
586635.94 5264926.00 12.25045b (22061424) 586660.94
5264926.00 11.64830b (22061424)
586685.94 5264926.00 10.90735b (22061424) 586710.94
5264926.00 10.07388b (22061424)
586735.94 5264926.00 9.18989b (22061424) 586760.94
5264926.00 8.29109b (22061424)
586785.94 5264926.00 7.40672b (22061424) 584485.94
5264951.00 5.35399 (19021924)
584510.94 5264951.00 5.56656 (19021924) 584535.94
5264951.00 5.78536 (19021924)
584560.94 5264951.00 6.03044 (19021924) 584585.94
5264951.00 6.19127 (19021924)
584610.94 5264951.00 6.45735 (19021624) 584635.94
5264951.00 6.93821 (19021624)
584660.94 5264951.00 7.72958 (19020624) 584685.94
5264951.00 9.17572 (19020624)
584710.94 5264951.00 10.95981 (19020624) 584735.94
5264951.00 12.59830 (19020624)
584760.94 5264951.00 13.51896 (19020624) 584785.94
5264951.00 13.72503 (19020624)
584810.94 5264951.00 13.42748m (22110224) 584835.94
5264951.00 15.05384 (20110224)
584860.94 5264951.00 16.57777 (20110224) 584885.94
5264951.00 17.52029 (20110224)
584910.94 5264951.00 17.40745 (20110224) 584935.94
5264951.00 16.37778 (20110224)
584960.94 5264951.00 16.59228c (19011524) 584985.94
5264951.00 16.98826c (19011524)
585010.94 5264951.00 16.93332b (22120924) 585035.94
5264951.00 18.30394b (22120924)
585060.94 5264951.00 20.29001m (21100524) 585085.94
5264951.00 22.71062m (21100524)
585110.94 5264951.00 25.32940 (22011224) 585135.94
5264951.00 29.56916 (22011224)
585160.94 5264951.00 31.24199 (22011224) 585185.94
5264951.00 30.03940 (22060924)
585210.94 5264951.00 32.22534 (22060924) 585235.94
5264951.00 33.76475m (23050624)
585260.94 5264951.00 34.24384c (20112024) 585285.94
5264951.00 40.75027c (20112024)
585310.94 5264951.00 50.63024 (20092124) 585335.94
5264951.00 61.35502 (20092124)
585360.94 5264951.00 55.30321 (20092124) 585810.94
5264951.00 73.05698 (21033124)
585835.94 5264951.00 75.15037c (22121324) 585860.94

5264951.00   76.13293c (22121324)
        585885.94   5264951.00   66.95763c (22121324)   585910.94
5264951.00   58.48203c (20022524)
        585935.94   5264951.00   52.61944c (20022524)   585960.94
5264951.00   41.17318c (20022524)
        585985.94   5264951.00   34.13265 (23030724)   586010.94
5264951.00   33.21168 (23030724)
        586035.94   5264951.00   33.88717c (22032224)   586060.94
5264951.00   33.79918c (22032224)
        586085.94   5264951.00   31.77784c (22032224)   586485.94
5264951.00   9.83582c (23112024)
        586510.94   5264951.00   9.83618b (22061424)   586535.94
5264951.00   10.74879b (22061424)
        586560.94   5264951.00   11.44538b (22061424)   586585.94
5264951.00   11.89810b (22061424)
        586610.94   5264951.00   12.09911b (22061424)   586635.94
5264951.00   12.05744b (22061424)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        586660.94   5264951.00   11.79550b (22061424)   586685.94
5264951.00   11.34574b (22061424)
        586710.94   5264951.00   10.74723b (22061424)   586735.94
5264951.00   10.03989b (22061424)
        586760.94   5264951.00   9.26170b (22061424)   586785.94
5264951.00   8.44750b (22061424)
        586810.94   5264951.00   7.62681b (22061424)   584485.94
5264976.00   5.29373 (19021924)
        584510.94   5264976.00   5.50355 (19021924)   584535.94
5264976.00   5.66998 (19021924)
        584560.94   5264976.00   5.81844 (19021624)   584585.94

```
5264976.00        6.32750  (19021624)
        584610.94   5264976.00        6.80307  (19020624)                584635.94
5264976.00        8.25686  (19020624)
        584660.94   5264976.00        9.67331  (19020624)                584685.94
5264976.00       10.68205  (19020624)
        584710.94   5264976.00       11.82900  (19020624)                584735.94
5264976.00       12.45002  (19020624)
        584760.94   5264976.00       12.30321  (19020624)                584785.94
5264976.00       13.22992  (20110224)
        584810.94   5264976.00       14.77217  (20110224)                584835.94
5264976.00       15.76040  (20110224)
        584860.94   5264976.00       16.17441  (20110224)                584885.94
5264976.00       15.90274  (20110224)
        584910.94   5264976.00       14.85580  (20110224)                584935.94
5264976.00       15.85039c (19011524)
        584960.94   5264976.00       15.96309c (19011524)                584985.94
5264976.00       15.96981b (22120924)
        585010.94   5264976.00       17.15366b (22120924)                585035.94
5264976.00       18.90470m (21100524)
        585060.94   5264976.00       19.71798m (21100524)                585085.94
5264976.00       22.09524  (22011224)
        585110.94   5264976.00       25.66991  (22011224)                585135.94
5264976.00       27.86452  (22011224)
        585160.94   5264976.00       27.36471  (22011224)                585185.94
5264976.00       29.37353  (22060924)
        585210.94   5264976.00       30.69069m (23050624)                585235.94
5264976.00       29.64910m (23050624)
        585260.94   5264976.00       35.05844c (20112024)                585285.94
5264976.00       40.32071c (20112024)
        585310.94   5264976.00       49.22241  (20092124)                585335.94
5264976.00       53.07164  (20092124)
        585360.94   5264976.00       43.99713c (20112024)                585810.94
5264976.00       75.49476  (21033124)
        585835.94   5264976.00       71.43209c (22121324)                585860.94
5264976.00       75.69678c (22121324)
        585885.94   5264976.00       68.20356c (22121324)                585910.94
5264976.00       58.95867c (22121324)
        585935.94   5264976.00       54.82422c (20022524)                585960.94
5264976.00       44.67790c (20022524)
        585985.94   5264976.00       33.28055c (20022524)                586010.94
5264976.00       32.53865  (23030724)
        586035.94   5264976.00       31.17307c (22032224)                586060.94
5264976.00       32.18694c (22032224)
        586085.94   5264976.00       31.30384c (22032224)                586110.94
5264976.00       28.90246c (22032224)
        586135.94   5264976.00       25.53586c (22032224)                586535.94
5264976.00        8.97366  (23021024)
        586560.94   5264976.00        9.78455b (22061424)                586585.94
5264976.00       10.51640b (22061424)
        586610.94   5264976.00       11.04198b (22061424)                586635.94
```

5264976.00   11.34588b (22061424)
        586660.94   5264976.00   11.42769b (22061424)   586685.94
5264976.00   11.30067b (22061424)
        586710.94   5264976.00   10.98926b (22061424)   586735.94
5264976.00   10.52384b (22061424)
        586760.94   5264976.00   9.93757b (22061424)   586785.94
5264976.00   9.26529b (22061424)
        586810.94   5264976.00   8.53931b (22061424)   584485.94
5265001.00   5.13483 (19021924)
        584510.94   5265001.00   5.26757 (19021924)   584535.94
5265001.00   5.64817 (19021624)
        584560.94   5265001.00   6.09549 (19021624)   584585.94
5265001.00   7.10017 (19020624)
        584610.94   5265001.00   8.43449 (19020624)   584635.94
5265001.00   9.74410 (19020624)
        584660.94   5265001.00   10.67741 (19020624)   584685.94
5265001.00   10.51977 (19020624)
        584710.94   5265001.00   10.62974 (19020624)   584735.94
5265001.00   11.14746 (20110224)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                             *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        584760.94   5265001.00   12.81363 (20110224)   584785.94
5265001.00   13.96148 (20110224)
        584810.94   5265001.00   14.73241 (20110224)   584835.94
5265001.00   14.87996 (20110224)
        584860.94   5265001.00   14.46837 (20110224)   584885.94
5265001.00   13.49781c (19011524)
        584910.94   5265001.00   14.61704c (19011524)   584935.94
5265001.00   14.80208c (19011524)
        584960.94   5265001.00   15.29165b (22120924)   584985.94

5265001.00 16.23546b (22120924)
585010.94 5265001.00 17.60971m (21100524) 585035.94
5265001.00 18.75503m (21100524)
585060.94 5265001.00 20.00257 (22011224) 585085.94
5265001.00 23.12414 (22011224)
585110.94 5265001.00 24.23527 (22011224) 585135.94
5265001.00 23.81533 (22011224)
585160.94 5265001.00 25.06845 (22060924) 585185.94
5265001.00 26.91436m (23050624)
585210.94 5265001.00 27.18536m (23050624) 585235.94
5265001.00 30.32441c (20112024)
585260.94 5265001.00 35.37321c (20112024) 585285.94
5265001.00 40.09705c (20112024)
585310.94 5265001.00 45.90531 (20092124) 585335.94
5265001.00 42.68909c (20112024)
585360.94 5265001.00 36.61585c (20112024) 585835.94
5265001.00 67.19356c (22121324)
585860.94 5265001.00 73.90833c (22121324) 585885.94
5265001.00 69.49303c (22121324)
585910.94 5265001.00 61.56022c (22121324) 585935.94
5265001.00 56.08924c (20022524)
585960.94 5265001.00 47.80498c (20022524) 585985.94
5265001.00 36.49213c (20022524)
586010.94 5265001.00 31.27994 (23030724) 586035.94
5265001.00 30.13525 (23030724)
586060.94 5265001.00 30.19187c (22032224) 586085.94
5265001.00 30.32630c (22032224)
586110.94 5265001.00 28.80405c (22032224) 586135.94
5265001.00 26.22966c (22032224)
586160.94 5265001.00 23.01235c (22032224) 586185.94
5265001.00 19.43709c (22032224)
586585.94 5265001.00 8.90036b (22061424) 586610.94
5265001.00 9.64926b (22061424)
586635.94 5265001.00 10.22533b (22061424) 586660.94
5265001.00 10.60821b (22061424)
586685.94 5265001.00 10.79138b (22061424) 586710.94
5265001.00 10.78046b (22061424)
586735.94 5265001.00 10.59136b (22061424) 586760.94
5265001.00 10.24710b (22061424)
586785.94 5265001.00 9.77575b (22061424) 586810.94
5265001.00 9.20707b (22061424)
584510.94 5265026.00 5.18892 (19021624) 584535.94
5265026.00 5.75668 (19020624)
584560.94 5265026.00 7.02534 (19020624) 584585.94
5265026.00 7.87244 (19020624)
584610.94 5265026.00 8.94991 (19020624) 584635.94
5265026.00 10.27727 (19020624)
584660.94 5265026.00 10.17308 (19020624) 584685.94
5265026.00 9.43890 (20110224)
584710.94 5265026.00 10.95200 (20110224) 584735.94

5265026.00   12.21008 (20110224)
        584760.94   5265026.00   13.05461 (20110224)   584785.94
5265026.00   13.40848 (20110224)
        584810.94   5265026.00   13.27720 (20110224)   584835.94
5265026.00   12.82326 (20110224)
        584860.94   5265026.00   12.66536c (19011524)   584885.94
5265026.00   13.34751c (19011524)
        584910.94   5265026.00   13.24311c (19011524)   584935.94
5265026.00   14.43986b (22120924)
        584960.94   5265026.00   15.37854b (22120924)   584985.94
5265026.00   16.81380m (21100524)
        585010.94   5265026.00   17.63189m (21100524)   585035.94
5265026.00   18.98642 (22011224)
        585060.94   5265026.00   21.08868 (22011224)   585085.94
5265026.00   22.37628 (22011224)
        585110.94   5265026.00   21.56901 (22011224)   585135.94
5265026.00   20.90514 (22060924)
        585160.94   5265026.00   22.60224 (19031324)   585185.94
5265026.00   23.81902m (23050624)
        585210.94   5265026.00   26.01990c (20112024)   585235.94
5265026.00   30.49496c (20112024)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        585260.94   5265026.00   35.19969c (20112024)   585285.94
5265026.00   39.89913 (20092124)
        585310.94   5265026.00   40.22174 (20092124)   585335.94
5265026.00   36.84020c (20112024)
        585360.94   5265026.00   30.24660c (20112024)   585835.94
5265026.00   64.89347c (21010924)
        585860.94   5265026.00   70.53172c (22121324)   585885.94

```
5265026.00       69.85640c (22121324)
        585910.94   5265026.00       63.36657c (22121324)                585935.94
5265026.00       55.97366c (20022524)
        585960.94   5265026.00       49.31670c (20022524)                585985.94
5265026.00       39.06466c (20022524)
        586010.94   5265026.00       29.51645  (23030724)                586035.94
5265026.00       29.58819  (23030724)
        586060.94   5265026.00       28.00513c (22032224)                586085.94
5265026.00       29.06707c (22032224)
        586110.94   5265026.00       28.25789c (22032224)                586135.94
5265026.00       26.41729c (22032224)
        586160.94   5265026.00       23.83969c (22032224)                586185.94
5265026.00       20.76781c (22032224)
        586210.94   5265026.00       18.49175c (20021224)                586235.94
5265026.00       18.65919c (20021224)
        586660.94   5265026.00        9.45234b (22061424)                586685.94
5265026.00        9.89432b (22061424)
        586710.94   5265026.00       10.15890b (22061424)                586735.94
5265026.00       10.24530b (22061424)
        586760.94   5265026.00       10.16279b (22061424)                586785.94
5265026.00        9.92814b (22061424)
        586810.94   5265026.00        9.56363b (22061424)                584535.94
5265051.00        6.78123  (19020624)
        584560.94   5265051.00        7.61645  (19020624)                584585.94
5265051.00        8.03954  (19020624)
        584610.94   5265051.00        8.56209  (19020624)                584635.94
5265051.00        9.18499  (19020624)
        584660.94   5265051.00        9.68503  (20110224)                584685.94
5265051.00       10.94645  (20110224)
        584710.94   5265051.00       11.91866  (20110224)                584735.94
5265051.00       12.43859  (20110224)
        584760.94   5265051.00       12.45074  (20110224)                584785.94
5265051.00       11.96533  (20110224)
        584810.94   5265051.00       11.13088  (20110224)                584835.94
5265051.00       10.67484c (19011524)
        584860.94   5265051.00       11.86740c (19011524)                584885.94
5265051.00       12.34692b (22120924)
        584910.94   5265051.00       13.53914b (22120924)                584935.94
5265051.00       14.56065b (22120924)
        584960.94   5265051.00       15.86263m (21100524)                584985.94
5265051.00       16.52823m (21100524)
        585010.94   5265051.00       17.77543  (22011224)                585035.94
5265051.00       20.15786  (22011224)
        585060.94   5265051.00       21.50453  (22011224)                585085.94
5265051.00       20.28163  (22011224)
        585110.94   5265051.00       18.57556  (22060924)                585135.94
5265051.00       20.38016  (19031324)
        585160.94   5265051.00       20.76288  (19031324)                585185.94
5265051.00       21.76507c (20112024)
        585210.94   5265051.00       25.85345c (20112024)                585235.94
```

5265051.00   30.14599c (20112024)
        585260.94   5265051.00   34.29887c (20112024)   585285.94
5265051.00   36.51257c (20112024)
        585310.94   5265051.00   35.57992c (20112024)   585335.94
5265051.00   31.33622c (20112024)
        585360.94   5265051.00   29.34898 (19123024)   585835.94
5265051.00   61.66916c (21010924)
        585860.94   5265051.00   65.80667c (22121324)   585885.94
5265051.00   68.60359c (22121324)
        585910.94   5265051.00   64.06921c (22121324)   585935.94
5265051.00   55.06471c (22121324)
        585960.94   5265051.00   49.51603c (20022524)   585985.94
5265051.00   41.01595c (20022524)
        586010.94   5265051.00   31.86070c (20022524)   586035.94
5265051.00   28.75062 (23030724)
        586135.94   5265051.00   26.29917c (22032224)   586160.94
5265051.00   24.26942c (22032224)
        586185.94   5265051.00   21.69216c (22032224)   586210.94
5265051.00   18.77286c (22032224)
        586235.94   5265051.00   17.66509c (20021224)   586260.94
5265051.00   17.64621c (20021224)
        586285.94   5265051.00   16.82880c (20021224)   586710.94
5265051.00   9.20956b (22061424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   STCK1   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
        586735.94   5265051.00   9.53748b (22061424)   586760.94
5265051.00   9.70438b (22061424)
        586785.94   5265051.00   9.71370b (22061424)   584585.94
5265076.00   7.75541 (19020624)
        584610.94   5265076.00   8.20806 (20110224)   584635.94

```
5265076.00        9.58184  (20110224)
        584660.94   5265076.00       10.68165  (20110224)                584685.94
5265076.00       11.46097  (20110224)
        584710.94   5265076.00       11.81690  (20110224)                584735.94
5265076.00       11.69522  (20110224)
        584760.94   5265076.00       11.09769  (20110224)                584785.94
5265076.00       10.06534  (20110224)
        584810.94   5265076.00        9.69305c (19011524)                584835.94
5265076.00        9.57438c (19011524)
        584860.94   5265076.00       10.93115b (22120924)                584885.94
5265076.00       12.44043b (22120924)
        584910.94   5265076.00       13.31146b (22120924)                584935.94
5265076.00       14.38038m (21100524)
        584960.94   5265076.00       15.50593m (21100524)                584985.94
5265076.00       16.41575  (22011224)
        585010.94   5265076.00       18.62179  (22011224)                585035.94
5265076.00       20.09085  (22011224)
        585060.94   5265076.00       19.84786  (22011224)                585085.94
5265076.00       17.35262  (22011224)
        585110.94   5265076.00       18.89014  (19031324)                585135.94
5265076.00       19.35910  (19031324)
        585160.94   5265076.00       18.22683c (20112324)                585185.94
5265076.00       21.75374c (20112024)
        585210.94   5265076.00       25.51296c (20112024)                585235.94
5265076.00       29.62086c (20112024)
        585260.94   5265076.00       32.57875c (20112024)                585285.94
5265076.00       32.77278c (20112024)
        585310.94   5265076.00       30.80155c (20112024)                585335.94
5265076.00       26.80079  (19123024)
        585360.94   5265076.00       29.95173c (23101424)                585835.94
5265076.00       58.19796c (21010924)
        585860.94   5265076.00       60.68200c (22121324)                585885.94
5265076.00       65.77305c (22121324)
        585910.94   5265076.00       63.84626c (22121324)                585935.94
5265076.00       56.18340c (22121324)
        585960.94   5265076.00       49.98917c (20022524)                585985.94
5265076.00       43.59052c (20022524)
        586010.94   5265076.00       35.29122c (20022524)                586185.94
5265076.00       22.29492c (22032224)
        586210.94   5265076.00       19.78963c (22032224)                586235.94
5265076.00       17.02470c (22032224)
        586260.94   5265076.00       16.89362c (20021224)                586285.94
5265076.00       16.71699c (20021224)
        586310.94   5265076.00       15.83570c (20021224)                586760.94
5265076.00        8.93286b (22061424)
        586785.94   5265076.00        9.16526b (22061424)                584635.94
5265101.00       10.32517  (20110224)
        584660.94   5265101.00       10.83761  (20110224)                584685.94
5265101.00       10.95840  (20110224)
        584710.94   5265101.00       10.70983  (20110224)                584735.94
```

5265101.00   9.99311 (20110224)
        584760.94   5265101.00   9.13133 (20110224)   584785.94
5265101.00   9.24139c (19011524)
        584810.94   5265101.00   8.88272c (19011524)   584835.94
5265101.00   9.59032b (22120924)
        584860.94   5265101.00   10.91285b (22120924)   584885.94
5265101.00   11.81897b (22120924)
        584910.94   5265101.00   12.54131m (21100524)   584935.94
5265101.00   13.82897m (21100524)
        584960.94   5265101.00   14.76962 (22011224)   584985.94
5265101.00   16.96038 (22011224)
        585010.94   5265101.00   18.49745 (22011224)   585035.94
5265101.00   18.64419 (22011224)
        585060.94   5265101.00   17.14378 (22011224)   585085.94
5265101.00   17.92421 (19031324)
        585110.94   5265101.00   18.37462 (19031324)   585135.94
5265101.00   17.53771 (19031324)
        585160.94   5265101.00   18.90688c (20112024)   585185.94
5265101.00   22.05450c (20112024)
        585210.94   5265101.00   25.84855c (20112024)   585235.94
5265101.00   29.23579c (20112024)
        585260.94   5265101.00   30.50022c (20112024)   585285.94
5265101.00   28.66124c (20112024)
        585310.94   5265101.00   26.46758c (20112024)   585335.94
5265101.00   26.62479 (19123024)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                             *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        585360.94   5265101.00   30.80483c (20120324)   585835.94
5265101.00   56.66626 (21033124)
        585860.94   5265101.00   55.92461c (22121324)   585885.94

```
5265101.00       61.79896c (22121324)
        585910.94   5265101.00       62.33632c (22121324)                585935.94
5265101.00       57.17626c (22121324)
        585960.94   5265101.00       50.55712c (20022524)                586210.94
5265101.00       20.54093c (22032224)
        586235.94   5265101.00       18.11177c (22032224)                586260.94
5265101.00       15.79043c (20021224)
        586285.94   5265101.00       16.17061c (20021224)                586310.94
5265101.00       15.87368c (20021224)
        584710.94   5265126.00        9.02454  (20110224)                584735.94
5265126.00        8.15826c (19011524)
        584760.94   5265126.00        8.50402c (19011524)                584785.94
5265126.00        8.44906b (22120924)
        584810.94   5265126.00        9.24429b (22120924)                584835.94
5265126.00        9.99046b (22120924)
        584860.94   5265126.00       10.76630b (22120924)                584885.94
5265126.00       11.62694m (21100524)
        584910.94   5265126.00       12.16495m (21100524)                584935.94
5265126.00       13.53503  (22011224)
        584960.94   5265126.00       15.42683  (22011224)                584985.94
5265126.00       16.92748  (22011224)
        585010.94   5265126.00       17.43534  (22011224)                585035.94
5265126.00       16.39991  (22011224)
        585060.94   5265126.00       16.54514  (19031324)                585085.94
5265126.00       17.45384  (19031324)
        585110.94   5265126.00       16.81220  (19031324)                585135.94
5265126.00       16.99073c (20112024)
        585160.94   5265126.00       19.70782c (20112024)                585185.94
5265126.00       22.78494c (20112024)
        585210.94   5265126.00       26.20786c (20112024)                585235.94
5265126.00       28.35900c (20112024)
        585260.94   5265126.00       28.00044c (20112024)                585285.94
5265126.00       25.20727c (20112024)
        585310.94   5265126.00       23.49206  (19123024)                585335.94
5265126.00       27.18525c (23101424)
        585360.94   5265126.00       31.18455c (20120324)                585860.94
5265126.00       51.47517c (22121324)
        585885.94   5265126.00       57.82197c (22121324)                585910.94
5265126.00       59.97335c (22121324)
        585935.94   5265126.00       56.87675c (22121324)                586260.94
5265126.00       16.67797c (22032224)
        586285.94   5265126.00       15.32576c (20021224)                584760.94
5265151.00        8.00141b (22120924)
        584785.94   5265151.00        8.75158b (22120924)                584810.94
5265151.00        9.61705b (22120924)
        584835.94   5265151.00       10.37119b (22120924)                584860.94
5265151.00       11.10585m (21100524)
        584885.94   5265151.00       11.60999m (21100524)                584910.94
5265151.00       12.75411  (22011224)
        584935.94   5265151.00       14.35618  (22011224)                584960.94
```

```
5265151.00       15.42361  (22011224)
        584985.94   5265151.00       15.84948  (22011224)                585010.94
5265151.00       15.33246  (22011224)
        585035.94   5265151.00       15.24427  (19031324)                585060.94
5265151.00       16.34573  (19031324)
        585085.94   5265151.00       16.24699  (19031324)                585110.94
5265151.00       15.75792c (20112324)
        585135.94   5265151.00       17.44164c (20112024)                585160.94
5265151.00       20.29019c (20112024)
        585185.94   5265151.00       23.59504c (20112024)                585210.94
5265151.00       26.13973c (20112024)
        585235.94   5265151.00       26.77763c (20112024)                585260.94
5265151.00       25.00510c (20112024)
        585285.94   5265151.00       21.81814c (20112024)                585310.94
5265151.00       23.22981  (19123024)
        585335.94   5265151.00       27.54661c (20120324)                585360.94
5265151.00       30.47015c (20120324)
        585860.94   5265151.00       49.05077c (21010924)                585885.94
5265151.00       54.10058c (22121324)
        584810.94   5265176.00        9.44312b (22120924)                584835.94
5265176.00       10.12573c (20012824)
        584860.94   5265176.00       11.35712m (21100524)                584885.94
5265176.00       12.42771  (22011224)
        584910.94   5265176.00       13.98947  (22011224)                584935.94
5265176.00       14.98951  (22011224)
        584960.94   5265176.00       14.94741  (22011224)                584985.94
5265176.00       14.09766  (22011224)
```



```
                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        585010.94   5265176.00       13.81360  (19031324)                585035.94
```

```
5265176.00       15.11783  (19031324)
        585060.94   5265176.00       15.33341  (19031324)                585085.94
5265176.00       14.36601  (19031324)
        585110.94   5265176.00       15.86514c (20112024)                585135.94
5265176.00       17.88067c (20112024)
        585160.94   5265176.00       20.98617c (20112024)                585185.94
5265176.00       23.91078c (20112024)
        585210.94   5265176.00       25.14252c (20112024)                585235.94
5265176.00       24.34856c (20112024)
        585260.94   5265176.00       21.77140c (20112024)                585285.94
5265176.00       20.10097  (19123024)
        585310.94   5265176.00       22.78233c (23101424)                585335.94
5265176.00       27.34625c (20120324)
        585360.94   5265176.00       28.66397c (20120324)                584860.94
5265201.00       12.33207  (22011224)
        584885.94   5265201.00       13.83657  (22011224)                584910.94
5265201.00       15.00547  (22011224)
        584935.94   5265201.00       15.14698  (22011224)                584960.94
5265201.00       13.86204  (22011224)
        584985.94   5265201.00       12.63074  (19031324)                585010.94
5265201.00       13.82433  (19031324)
        585035.94   5265201.00       14.40706  (19031324)                585060.94
5265201.00       13.76513  (19031324)
        585085.94   5265201.00       13.90687c (20112324)                585110.94
5265201.00       16.07765c (20112024)
        585135.94   5265201.00       19.03833c (20112024)                585160.94
5265201.00       21.57214c (20112024)
        585185.94   5265201.00       23.47936c (20112024)                585210.94
5265201.00       23.31402c (20112024)
        585235.94   5265201.00       21.36054c (20112024)                585260.94
5265201.00       18.65874c (22021424)
        585285.94   5265201.00       19.77091  (19123024)                585310.94
5265201.00       22.08035c (23101424)
        585335.94   5265201.00       26.02665c (20120324)                585360.94
5265201.00       26.07077c (20120324)
        584935.94   5265226.00       14.03731  (22011224)                584960.94
5265226.00       12.04932  (19031324)
        584985.94   5265226.00       12.91185  (19031324)                585010.94
5265226.00       13.45189  (19031324)
        585035.94   5265226.00       13.22828  (19031324)                585060.94
5265226.00       12.73758c (20112324)
        585085.94   5265226.00       14.20692c (20112024)                585110.94
5265226.00       16.60867c (20112024)
        585135.94   5265226.00       19.60046c (20112024)                585160.94
5265226.00       21.56340c (20112024)
        585185.94   5265226.00       22.36405c (20112024)                585210.94
5265226.00       21.16351c (20112024)
        585235.94   5265226.00       18.32452c (20112024)                585260.94
5265226.00       17.25958  (19123024)
        585285.94   5265226.00       18.80588  (19123024)                585310.94
```

```
5265226.00       20.65401c (23101424)
        585335.94   5265226.00       23.50016c (20120324)                585360.94
5265226.00       22.84202c (20120324)
        585385.94   5265226.00       28.62444  (21112024)                584985.94
5265251.00       12.82219  (19031324)
        585010.94   5265251.00       12.70054  (19031324)                585035.94
5265251.00       11.82856c (20112324)
        585060.94   5265251.00       12.76697c (20112024)                585085.94
5265251.00       14.80328c (20112024)
        585110.94   5265251.00       17.42375c (20112024)                585135.94
5265251.00       20.10313c (20112024)
        585160.94   5265251.00       21.58753c (20112024)                585185.94
5265251.00       20.77964c (20112024)
        585210.94   5265251.00       18.84931c (20112024)                585235.94
5265251.00       16.63756c (22021424)
        585260.94   5265251.00       17.18032  (19123024)                585285.94
5265251.00       17.42342c (23101424)
        585310.94   5265251.00       18.08790c (23101424)                585335.94
5265251.00       20.50683c (20120324)
        585360.94   5265251.00       22.72528c (19121124)                585385.94
5265251.00       30.14252  (21112024)
        585060.94   5265276.00       13.31834c (20112024)                585085.94
5265276.00       15.54531c (20112024)
        585110.94   5265276.00       18.13323c (20112024)                585135.94
5265276.00       20.14684c (20112024)
        585160.94   5265276.00       20.68885c (20112024)                585185.94
5265276.00       18.91231c (20112024)
        585210.94   5265276.00       16.48897c (20112024)                585235.94
5265276.00       15.78904  (19123024)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        11:09:37

                                  PAGE  68
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

- -
585260.94 5265276.00 16.75130 (19123024) 585285.94
5265276.00 16.91195c (23101424)
585310.94 5265276.00 16.22028c (23101424) 585335.94
5265276.00 17.10685c (20120324)
585360.94 5265276.00 22.41035c (19121124) 585385.94
5265276.00 31.96298 (21112024)
585160.94 5265301.00 19.18511c (20112024) 585185.94
5265301.00 16.76239c (20112024)
585210.94 5265301.00 15.21948c (22021424) 585235.94
5265301.00 15.73457 (19123024)
585260.94 5265301.00 15.92919c (23101424) 585285.94
5265301.00 16.10844c (23101424)
585310.94 5265301.00 15.64819c (20120324) 585335.94
5265301.00 17.22812c (19121124)
585360.94 5265301.00 21.50140c (19121124) 585260.94
5265326.00 15.52544c (23101424)
585285.94 5265326.00 14.97104c (23101424) 585310.94
5265326.00 14.99670c (20120324)
585335.94 5265326.00 17.74915c (19121124) 585360.94
5265326.00 20.86176 (21112024)
585335.94 5265351.00 18.11973c (19121124) 585790.94
5264633.24 189.59939c (22121324)
585315.41 5264503.55 28.50748 (19021924) 585317.33
5264461.28 24.69936 (22122224)
585320.21 5264412.29 23.35784 (22012424) 585271.22
5264634.20 46.86966 (19020624)
585191.48 5264625.55 24.65313 (19021624) 585271.22
5264300.85 23.45013c (22012324)
585302.92 5264189.41 13.19257 (21103124) 585333.66
5264187.49 15.11924c (22120124)
585259.69 5264192.29 13.30700c (21010824) 585339.43
5264124.09 19.20331 (21050224)
585338.47 5264100.07 19.82815 (21050224) 585338.47
5264071.25 17.85434 (19011324)
585338.47 5264032.82 20.87097 (19011324) 585143.45
5264107.76 9.77668 (21103124)
585049.31 5264147.14 9.89741c (20122824) 585113.67
5264304.69 14.40349c (22012324)
585013.76 5264314.30 10.04794c (22012324) 584962.85
5264173.08 13.17014c (20122824)
585044.50 5264478.57 7.22271 (22012424) 584941.71
5264435.34 7.54791 (22012424)
584885.03 5264351.76 6.35793b (20022124) 584881.19
5264224.00 13.16596c (22012324)
585157.86 5264427.66 13.02911 (22012424) 585180.92
5264461.28 11.21221 (22122224)
585185.72 5264517.00 16.42138 (22122224) 585146.33
5264516.04 13.94477 (22122224)
585145.37 5264471.85 10.32542 (22122224) 584791.85

5264277.79   9.09303c (22012324)
        584762.07   5264282.60   8.17712c (22012324)   584775.52
5264409.40   5.37525c (22031424)
        584823.55   5264507.39   5.28686 (22012424)   586471.91
5264419.03   15.23496 (23102124)
        586328.54   5264386.58   18.91171 (23102124)   586250.65
5264308.69   30.49449 (20091424)
        586222.33   5264214.88   24.76007b (23050124)   586116.13
5264256.77   28.56461 (20080824)
        586145.63   5264129.92   17.08225c (20120924)   586227.05
5264154.70   14.66757c (19042024)
        586277.20   5264156.47   23.19915c (19042024)   586443.00
5264229.04   20.38517 (20020624)
        586532.09   5264238.48   14.70739 (20020624)   586517.93
5264327.58   15.21108 (20091424)
        586573.98   5264265.62   11.83684 (20091424)   586073.06
5264240.25   41.43887c (19042024)
        586406.42   5264050.26   28.75267c (23031724)   586413.55
5263859.27   25.42663 (19050424)
        585601.22   5263903.31   77.22675c (20030624)   585951.44
5263678.90   64.16459 (19120824)
        585755.84   5263742.59   44.61818 (20052824)   585592.83
5263716.51   38.78161 (23102124)
        585513.59   5263704.98   22.64493 (23060524)   585494.53
5263669.87   20.37410b (19112624)
        585699.66   5263594.63   27.80393c (23081324)   585900.79
5263561.03   44.11808c (22120524)
        585826.56   5263669.37   40.82852c (23121124)   585489.01
5263606.17   14.61241 (23060524)
        585525.12   5263590.62   14.35635 (23081224)   585482.99
5263564.54   13.44741 (23060524)

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   STCK1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

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

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)

```
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        586148.00   5263560.02       39.76854c (20022024)                585705.80
5263562.02       27.46249c (23081324)
        585829.18   5263480.26       32.41796c (23121124)                585980.16
5263456.69       43.14433c (22120524)
        586089.00   5263441.14       42.38327  (23010724)                584227.11
5264152.09        4.95150c (22012324)
        584491.79   5264407.68        4.47710c (22031424)                584454.98
5264459.64        4.54793  (22012424)
        584463.64   5264492.12        5.18823  (22012424)                584526.43
5264554.91        4.54545  (22012424)
        584509.11   5264626.36        3.59287  (19022324)                584403.02
5264738.95        3.51416  (22122224)
        584405.18   5264845.05        4.33582  (22122224)                584465.81
5264929.49        5.22416  (19021924)
        584489.62   5265037.75        5.03267  (19021624)                584736.46
5265148.17        7.90502c (19011524)
        584996.28   5265260.76       12.58995  (19031324)                585349.21
5265356.03       19.90186  (21112024)
        585396.84   5265271.59       36.49202  (21112024)                585368.69
5265146.01       30.86466c (20120324)
        585373.02   5264873.19       90.31767  (20092124)                585277.75
5264827.72       56.83538  (19110724)
        585275.59   5264754.11       48.42121m (21100524)                585037.42
5264715.13       13.47447  (19021624)
        584872.86   5264656.67        8.26438  (22122224)                584589.22
5264498.62        5.63358  (22012424)
        585683.88   5264775.35      150.34162  (19122524)                585804.34
5264952.12       79.58356  (21033124)
        585849.70   5265172.70       53.93790  (23012024)                585995.19
5265096.05       42.73461c (20022524)
        586071.84   5265030.34       28.39394c (22032224)                586286.17
5265139.85       14.90432c (22032224)
        586340.92   5265069.45       13.84293c (20021224)                586040.56
5264917.71       36.73562c (22032224)
        585738.63   5264789.43      132.71398  (21033124)                586089.05
5264786.30       29.17322c (20021224)
        586129.73   5264665.84       27.48341b (22061424)                586401.93
5264776.91       18.35767b (22061424)
        586541.16   5264847.31       13.92313b (22061424)                586656.92
5264736.24        9.35934  (23090624)
        586744.53   5264625.17        9.12184c (20021224)                586785.20
5264597.01        9.66762c (20021224)
        586929.13   5264593.88        8.36694c (20021224)                586905.66
5264672.10        7.16757c (20021224)
        586844.65   5264681.49        6.98366c (20021224)                586818.06
5264747.19        7.30693  (23090624)
        586825.88   5264809.77        7.32049  (23090624)                586761.74
```

5264861.39   7.02487 (19111824)
        586833.70   5264991.23   8.35504b (22061424)   586782.07
5265091.35   8.64561b (22061424)
        586458.25   5264944.30   11.19561c (23112024)   586225.15
5264834.80   22.44021c (23112024)
        585339.01   5263704.39   16.86878m (23060424)   585322.45
5263487.18   10.86485m (20103024)
        585261.70   5263498.23   11.32730m (23060424)   585243.30
5263547.93   9.53602m (23060424)
        585123.65   5263457.73   4.22421b (21122924)   585051.86
5263601.31   6.10190 (22012424)
        584788.63   5263592.11   3.44089c (21123024)   584724.21
5263641.81   2.75077 (21050224)
        584543.81   5263652.85   1.77570 (21050224)   584416.80
5263610.51   1.08838c (22120124)
        584400.24   5263719.12   2.02987c (22120124)   584457.30
5263768.82   2.42424c (22120124)
        584451.78   5263789.07   2.47834c (22120124)   584429.69
5263916.08   2.53893c (19120624)
        584374.47   5264081.74   4.75031c (20122824)   584389.19
5264157.21   6.04443c (22012324)
        584622.97   5264000.75   4.52898c (21010824)   584716.84
5263921.60   4.14181c (22120124)
        584744.45   5263766.98   3.92162 (21050224)   584803.36
5263761.45   5.29596 (21050224)
        584840.17   5263774.34   5.64815 (21050224)   584851.22
5263737.52   4.73617 (21050224)
        584935.89   5263759.61   5.06856 (22012724)   585077.63
5263765.14   8.41332c (21123024)
        585256.18   5263744.89   8.24979 (22012424)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF VARIOUS 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 895.17491 ON 21030222: AT (585790.94, 5264633.24, 209.64, 1402.52, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

↑ *** AERMOD - VERSION 24142 *** *** C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas *** 11/04/25
*** AERMET - VERSION 24142 *** *** *** 11:09:37

PAGE 71

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE GRID-ID

- -

ALL HIGH 1ST HIGH VALUE IS 189.59939c ON 22121324: AT (585790.94, 5264633.24, 209.64, 1402.52, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

↑ *** AERMOD - VERSION 24142 *** *** C:\Users\apoll\OneDrive - Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas *** 11/04/25
*** AERMET - VERSION 24142 *** *** *** 11:09:37

PAGE 72

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** Message Summary : AERMOD Model Execution ***

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

 A Total of            0 Fatal Error Message(s)
 A Total of          139 Warning Message(s)
 A Total of         3153 Informational Message(s)

 A Total of        43824 Hours Were Processed

 A Total of         2161 Calm Hours Identified

 A Total of          992 Missing Hours Identified (  2.26 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W187      61       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 CN W732     960         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019020924
 CN W732    1464         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019030224
 CN W732    1512         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019030424
 CN W732    1536         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019030524
 CN W732    1944         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019032224
 CN W732    1992         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019032424
 CN W732    2160         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019033124
 CN W732    4080         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019061924
 CN W732    5688         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019082524
 CN W732    5856         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019090124
 CN W732    6864         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019101324
 CN W732    6888         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019101424
 CN W732    7632         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019111424
 CN W732    7968         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019112824
 CN W732    7992         AVER: 24-hr avg, < 18 hours of data, calms policy used.
```

2019112924
 CN W732   8232   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019120924
 CN W732   8688   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019122824
 CN W732   9744   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020021024
 CN W732   10680   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020032024
 CN W732   11232   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020041224
 CN W732   11256   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020041324
 CN W732   11328   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020041624
 CN W732   11520   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020042424
 CN W732   12624   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020060924
 CN W732   12792   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020061624
 CN W732   13368   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020071024
 CN W732   15048   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020091824
 CN W732   15504   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020100724
 CN W732   15528   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020100824
 CN W732   15552   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020100924
 CN W732   15888   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020102324
 CN W732   16200   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020110524
 CN W732   16224   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020110624
 CN W732   16272   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020110824
 CN W732   16776   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020112924
 CN W732   17928   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021011624
 CN W732   18264   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021013024
 CN W732   18288   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021013124
 CN W732   18504   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021020924
 CN W732   19008   AVER: 24-hr avg, < 18 hours of data, calms policy used.

2021030224
 CN W732   19032   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021030324
 CN W732   19152   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021030824
 CN W732   19296   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021031424
 CN W732   19392   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021031824
 CN W732   19632   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021032824
 CN W732   19656   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021032924
 CN W732   19680   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021033024
 CN W732   19992   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021041224
 CN W732   20064   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021041524
 CN W732   20328   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021042624
 CN W732   20952   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021052224
 CN W732   20976   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021052324
 CN W732   22056   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021070724
 CN W732   22080   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021070824
 CN W732   22104   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021070924
 CN W732   22968   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021081424
 CN W732   23496   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021090524
 CN W732   23520   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021090624
 CN W732   23688   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021091324
 CN W732   23808   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021091824
 CN W732   24648   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021102324
 CN W732   24768   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021102824
 CN W732   24792   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021102924
 CN W732   24960   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021110524
 CN W732   25104   AVER: 24-hr avg, < 18 hours of data, calms policy used.

2021111124
 CN W732   25344   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021112124
 CN W732   25416   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021112424
 CN W732   25488   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021112724
 CN W732   26640   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022011424
 CN W732   26808   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022012124
 CN W732   27432   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022021624
 CN W732   27672   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022022624
 CN W732   27744   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022030124
 CN W732   27768   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022030224
 CN W732   27912   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022030824
 CN W732   28944   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022042024
 CN W732   29328   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022050624
 CN W732   29712   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022052224
 CN W732   30072   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022060624
 CN W732   30792   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022070624
 CN W732   31176   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022072224
 CN W732   31560   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022080724
 CN W732   31680   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022081224
 CN W732   32016   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022082624
 CN W732   32520   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022091624
 CN W732   32688   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022092324
 CN W732   32928   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022100324
 CN W732   32976   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022100524
 CN W732   33024   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022100724
 CN W732   33048   AVER: 24-hr avg, < 18 hours of data, calms policy used.

2022100824
 CN W732   33120   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022101124
 CN W732   33768   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022110724
 CN W732   33888   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111224
 CN W732   33984   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111624
 CN W732   34032   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111824
 CN W732   34416   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022120424
 CN W732   34608   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022121224
 CN W732   34704   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022121624
 CN W732   34728   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022121724
 CN W732   34920   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022122524
 CN W732   35064   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022123124
 CN W732   35760   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023012924
 CN W732   35784   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023013024
 CN W732   35808   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023013124
 CN W732   37560   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023041424
 CN W732   37968   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023050124
 CN W732   38688   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023053124
 CN W732   38760   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023060324
 CN W732   38976   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023061224
 CN W732   39048   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023061524
 CN W732   39072   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023061624
 CN W732   39120   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023061824
 CN W732   39312   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062624
 CN W732   39744   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023071424
 CN W732   39768   AVER: 24-hr avg, < 18 hours of data, calms policy used.

```
2023071524
 CN W732   39792         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023071624
 CN W732   39816         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023071724
 CN W732   40152         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023073124
 CN W732   40176         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023080124
 CN W732   40632         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023082024
 CN W732   41064         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023090724
 CN W732   41088         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023090824
 CN W732   41376         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023092024
 CN W732   41472         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023092424
 CN W732   41496         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023092524
 CN W732   41880         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023101124
 CN W732   41952         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023101424
 CN W732   42528         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110724
 CN W732   42552         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110824
 CN W732   42768         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023111724
 CN W732   42792         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023111824
 CN W732   42840         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023112024
 CN W732   42912         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023112324
 CN W732   42936         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023112424
 CN W732   42960         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023112524
 CN W732   43056         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023112924
 CN W732   43488         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023121724
 CN W732   43512         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023121824

    ************************************
    *** AERMOD Finishes Successfully ***
```

****

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  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 RURAL Dispersion Only.
      * Option for Capped & Horiz Stacks Selected With:
          0 Capped Stack(s); and         1 Horizontal Stack(s)
      * 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: VARIOUS

 **Model Calculates  2 Short Term Average(s) of:   1-HR  24-HR

 **This Run Includes:      1 Source(s);       1 Source Group(s); and    1757
Receptor(s)

                with:      1 POINT(s), including
                           0 POINTCAP(s) and      1 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      0 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:  24142

 **Output Options Selected:
          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) =     8.80 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.7 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Cascadia AERMOD.err

 **File for Summary of Results:   Cascadia AERMOD.sum

 *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        11:09:37

                                  PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                          *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                              (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
```

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

Surface file: ..\archive\AERMOD_MET2528293_94248_94240_2019_2023\MET2528293_2019_2023.SFC
Met Version: 24142
Profile file: ..\archive\AERMOD_MET2528293_94248_94240_2019_2023\MET2528293_2019_2023.PFL
Surface format: FREE

Profile format: FREE

Surface station no.: 94248 Upper air station no.: 94240
Name: UNKNOWN Name: QUILLAYUTE/WSO_AIRPORT
Year: 2019 Year: 2019

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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
 19 01 01   1 01 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.14   0.80
1.00    0.00    0.    7.9  273.1    2.0
 19 01 01   1 02 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.14   0.80
1.00    0.00    0.    7.9  273.8    2.0
 19 01 01   1 03 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.14   0.80
1.00    0.00    0.    7.9  274.2    2.0
 19 01 01   1 04 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.14   0.80
1.00    0.00    0.    7.9  274.8    2.0
 19 01 01   1 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.14   0.80
1.00    0.00    0.    7.9  274.8    2.0
 19 01 01   1 06  -16.6  0.164 -9.000 -9.000 -999.  159.     29.6  0.06   0.80
1.00    2.13  134.    7.9  274.2    2.0
 19 01 01   1 07  -10.6  0.130 -9.000 -9.000 -999.  113.     19.0  0.06   0.80
1.00    1.72  126.    7.9  274.2    2.0
 19 01 01   1 08  -10.5  0.138 -9.000 -9.000 -999.  123.     22.9  0.39   0.80
1.00    1.04  119.    7.9  274.2    2.0
 19 01 01   1 09   -4.9  0.089 -9.000 -9.000 -999.   64.     13.0  0.06   0.80
0.59    1.23  162.    7.9  274.8    2.0
 19 01 01   1 10   -6.0  0.136 -9.000 -9.000 -999.  120.     38.5  0.06   0.80
0.38    1.79  151.    7.9  275.3    2.0
 19 01 01   1 11    2.6  0.101  0.129  0.010   31.   77.    -37.1  0.06   0.80
0.29    1.14  171.    7.9  276.4    2.0
 19 01 01   1 12   46.7  0.100  0.539  0.008  123.   76.     -2.0  0.04   0.80
0.26    0.84  209.    7.9  278.1    2.0
 19 01 01   1 13   49.5  0.135  0.609  0.005  167.  119.     -4.5  0.08   0.80
0.26    1.11  291.    7.9  279.8    2.0
 19 01 01   1 14    4.9  0.149  0.285  0.005  170.  138.    -61.2  0.05   0.80
0.28    1.74  322.    7.9  279.2    2.0
 19 01 01   1 15   11.2  0.134  0.380  0.005  178.  118.    -19.7  0.05   0.80
0.34    1.45  312.    7.9  279.2    2.0
 19 01 01   1 16   -4.9  0.115 -9.000 -9.000 -999.   94.     28.7  0.08   0.80
0.48    1.42  286.    7.9  278.8    2.0
 19 01 01   1 17   -4.0  0.081 -9.000 -9.000 -999.   55.     12.0  0.08   0.80
1.00    1.03  272.    7.9  277.5    2.0
 19 01 01   1 18   -2.7  0.069 -9.000 -9.000 -999.   43.     10.9  0.07   0.80
1.00    0.82  256.    7.9  276.4    2.0
 19 01 01   1 19   -3.8  0.078 -9.000 -9.000 -999.   52.     11.2  0.06   0.80
1.00    1.06  150.    7.9  275.9    2.0
 19 01 01   1 20   -7.6  0.109 -9.000 -9.000 -999.   87.     15.6  0.06   0.80
1.00    1.50  176.    7.9  274.8    2.0
 19 01 01   1 21   -7.2  0.106 -9.000 -9.000 -999.   83.     15.3  0.06   0.80
1.00    1.43  131.    7.9  274.2    2.0
 19 01 01   1 22  -11.1  0.133 -9.000 -9.000 -999.  117.     19.6  0.06   0.80
1.00    1.76  134.    7.9  274.2    2.0
 19 01 01   1 23  -23.7  0.226 -9.000 -9.000 -999.  259.     56.4  0.39   0.80
1.00    1.65  116.    7.9  274.2    2.0
 19 01 01   1 24   -5.5  0.093 -9.000 -9.000 -999.   82.     13.2  0.06   0.80
```

```
1.00    1.25  129.    7.9  273.1    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 19 01 01 01    7.9 1 -999.  -99.00   273.2   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
↑ *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        11:09:37

                                  PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                    ** CONC OF VARIOUS  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     895.17491  ON 21030222: AT (  585790.94,
5264633.24,   209.64,  1402.52,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                       ***        11:09:37

                                  PAGE   5
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST 24-HR
RESULTS ***
```

```
                                   ** CONC OF VARIOUS  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     189.59939c ON 22121324: AT (  585790.94,
5264633.24,   209.64,  1402.52,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 24142  ***   *** C:\Users\apoll\OneDrive -
Dudek\Desktop\HARP2\HARP\Cascadia BESS\Cas ***        11/04/25
 *** AERMET - VERSION  24142 ***   ***
                       ***       11:09:37

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

 *** Message Summary : AERMOD Model Execution ***

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

 A Total of           0 Fatal Error Message(s)
 A Total of         139 Warning Message(s)
 A Total of        3153 Informational Message(s)

 A Total of       43824 Hours Were Processed

 A Total of        2161 Calm Hours Identified

 A Total of         992 Missing Hours Identified (  2.26 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W187      61       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 CN W732     960         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019020924
```

 CN W732   1464   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019030224
 CN W732   1512   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019030424
 CN W732   1536   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019030524
 CN W732   1944   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019032224
 CN W732   1992   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019032424
 CN W732   2160   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019033124
 CN W732   4080   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019061924
 CN W732   5688   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019082524
 CN W732   5856   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019090124
 CN W732   6864   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019101324
 CN W732   6888   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019101424
 CN W732   7632   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019111424
 CN W732   7968   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019112824
 CN W732   7992   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019112924
 CN W732   8232   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019120924
 CN W732   8688   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019122824
 CN W732   9744   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020021024
 CN W732   10680   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020032024
 CN W732   11232   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020041224
 CN W732   11256   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020041324
 CN W732   11328   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020041624
 CN W732   11520   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020042424
 CN W732   12624   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020060924
 CN W732   12792   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020061624
 CN W732   13368   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020071024

 CN W732   15048   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020091824
 CN W732   15504   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020100724
 CN W732   15528   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020100824
 CN W732   15552   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020100924
 CN W732   15888   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020102324
 CN W732   16200   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020110524
 CN W732   16224   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020110624
 CN W732   16272   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020110824
 CN W732   16776   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020112924
 CN W732   17928   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021011624
 CN W732   18264   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021013024
 CN W732   18288   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021013124
 CN W732   18504   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021020924
 CN W732   19008   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021030224
 CN W732   19032   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021030324
 CN W732   19152   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021030824
 CN W732   19296   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021031424
 CN W732   19392   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021031824
 CN W732   19632   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021032824
 CN W732   19656   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021032924
 CN W732   19680   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021033024
 CN W732   19992   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021041224
 CN W732   20064   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021041524
 CN W732   20328   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021042624
 CN W732   20952   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021052224

 CN W732   20976   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021052324
 CN W732   22056   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021070724
 CN W732   22080   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021070824
 CN W732   22104   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021070924
 CN W732   22968   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021081424
 CN W732   23496   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021090524
 CN W732   23520   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021090624
 CN W732   23688   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021091324
 CN W732   23808   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021091824
 CN W732   24648   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021102324
 CN W732   24768   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021102824
 CN W732   24792   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021102924
 CN W732   24960   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021110524
 CN W732   25104   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021111124
 CN W732   25344   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021112124
 CN W732   25416   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021112424
 CN W732   25488   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021112724
 CN W732   26640   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022011424
 CN W732   26808   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022012124
 CN W732   27432   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022021624
 CN W732   27672   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022022624
 CN W732   27744   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022030124
 CN W732   27768   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022030224
 CN W732   27912   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022030824
 CN W732   28944   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022042024

 CN W732   29328   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022050624
 CN W732   29712   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022052224
 CN W732   30072   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022060624
 CN W732   30792   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022070624
 CN W732   31176   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022072224
 CN W732   31560   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022080724
 CN W732   31680   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022081224
 CN W732   32016   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022082624
 CN W732   32520   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022091624
 CN W732   32688   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022092324
 CN W732   32928   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022100324
 CN W732   32976   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022100524
 CN W732   33024   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022100724
 CN W732   33048   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022100824
 CN W732   33120   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022101124
 CN W732   33768   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022110724
 CN W732   33888   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111224
 CN W732   33984   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111624
 CN W732   34032   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111824
 CN W732   34416   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022120424
 CN W732   34608   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022121224
 CN W732   34704   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022121624
 CN W732   34728   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022121724
 CN W732   34920   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022122524
 CN W732   35064   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022123124

 CN W732   35760   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023012924
 CN W732   35784   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023013024
 CN W732   35808   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023013124
 CN W732   37560   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023041424
 CN W732   37968   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023050124
 CN W732   38688   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023053124
 CN W732   38760   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023060324
 CN W732   38976   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023061224
 CN W732   39048   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023061524
 CN W732   39072   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023061624
 CN W732   39120   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023061824
 CN W732   39312   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062624
 CN W732   39744   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023071424
 CN W732   39768   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023071524
 CN W732   39792   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023071624
 CN W732   39816   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023071724
 CN W732   40152   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023073124
 CN W732   40176   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023080124
 CN W732   40632   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023082024
 CN W732   41064   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023090724
 CN W732   41088   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023090824
 CN W732   41376   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023092024
 CN W732   41472   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023092424
 CN W732   41496   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023092524
 CN W732   41880   AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023101124

```
 CN W732   41952         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023101424
 CN W732   42528         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110724
 CN W732   42552         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110824
 CN W732   42768         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023111724
 CN W732   42792         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023111824
 CN W732   42840         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023112024
 CN W732   42912         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023112324
 CN W732   42936         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023112424
 CN W732   42960         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023112524
 CN W732   43056         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023112924
 CN W732   43488         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023121724
 CN W732   43512         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023121824
```