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Data Request Response No. 1

Prairie Song Reliability Project

SEPTEMBER 2025

Prepared for:

CALIFORNIA ENERGY COMMISSION

Prepared by:

PRAIRIE SONG RELIABILITY PROJECT, LLC

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ATTACHMENTS

1 Section 3.3, Cultural and Tribal Cultural Resources - Redline Version

2a Appendix 3.3A, Archaeological Resources Management Report - Redline Version (Public)

2b Appendix 3.3A, Archaeological Resources Management Report - Redline Version (Confidential)

3 Section 3.4, Geological Resources and Hazards - Redline Version

4 Section 3.6, Land Use - Redline Version

5 Appendix 3.6B, Land Use Inventory

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7 Section 3.8, Paleontological Resources - Redline Version

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15 Appendix 2C, Separated Interconnection Documents (Confidential)

- 15a QC12PII-SCE-Northern-Area Report and Appendices (Confidential)
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1 Introduction

On August 1, 2025, Prairie Song Reliability Project, LLC (Applicant) received a Determination of Incomplete Application and Request for Information from California Energy Commission (CEC) Staff for the Prairie Song Reliability Project (Project; Docket Number 25-OPT-02) in response to the Applicant's application filed on July 2, 2025. Table 1 lists the data requests responded to in this Response No. 1. A forthcoming response document will be provided for the remaining data requests.

Table 1. Data Responses Included Herein

Data Request Resources Area	Data Request Number
Mandatory Opt-in Requirements	MAND-1
Cultural and Tribal Cultural Resources	CUL/TRI-1 through CUL/TRI-4
Geological Hazards and Resources	GEO-1 through GEO-4
Land Use	LAND-1 through LAND-5
Paleontological Resources	PAL-1 and PAL-2
Public Health	PH-1 through PH-4
Socioeconomics	SOCIO-1 and SOCIO-2
Soils	SOILS-1 and SOILS-2
Traffic and Transportation	TRANS-1 through TRANS-4
Transmission System Design	TSD-1 through TSD-5
Waste Management	WASTE-1 and WASTE-2
Wildfire	WF-1

2 Mandatory Opt-In Requirements

California Code of Regulations, title 20, section 1877(f) requires Opt-In Applications to identify preliminary information demonstrating overall net positive economic benefit to the local government that would have had permitting authority over the site and related facility, consistent with Public Resources Code section 25545.9. California Code of Regulations, title 20, section 1879 (a) (7) further states that the net positive benefits identified in an Opt-In Application may include, but are not limited to the following: (a) employment growth, (b) housing development, (c) infrastructure and environmental improvements, (d) assistance to public schools and education, (e) assistance to public safety agencies and departments, and (f) property taxes and sales and use tax revenues.

The applicant's Opt-In Application includes a discussion of net economic benefits to Los Angeles County in Sections 1.6.6 and 3.10, and Appendices 1E and 3.10A. The application discusses quantitative benefits such as employment growth, property taxes, and sales and use tax revenues, in addition to qualitative discussion of infrastructure and environmental improvements, and assistance to local institutions.

To determine accurate estimates of the net economic benefits to Los Angeles County, staff request the applicant to provide further information. Specifically, the California Energy Commission (CEC) would like to understand whether the project qualifies for federal tax credits for project infrastructure or installation, and if so, at what total deduction.

DR MAND-1. Per California Code of Regulations, title 20, section 1877(f) requirement, please provide response to the following question:

a. Does the facility qualify for a federal tax credit? If so, identify the rate and the total deduction amount for the facility.

DR MAND-1 Response. At this time, the Applicant is unsure of what federal tax credits may be available to the Project. New federal regulations have introduced uncertainty into the availability and potential for the Project to receive tax incentives. Under prior regulations implementing the Inflation Reduction Act, the Project was expected to qualify for a minimum 30% investment tax credit (ITC), plus a potential 10% Energy Community adder in Los Angeles County. The Energy Community adder is based on the annual unemployment rate, and counties can fall in or out, year to year. Before these recent changes, the Project was assumed to have a base case 30% ITC.

3 Cultural and Tribal Cultural Resources

DR CUL/TRI-1. The ethnohistoric setting in Section 3.3 Cultural Resources and Tribal Cultural Resources, subsection 3.3.1 and Appendix 3.3A of the Application lacks discussion of the individual groups during this period. Please provide an Ethnographic Context (Ethnographies) for the Native American tribes within the 5- mile radius of the project location as required by Appendix B (g) (2) (A). This should include the Chemehuevi, Serrano, Kawaiisu, Kitanemuk, Alliklik (Tataviam), and Vanyume.

DR CUL/TRI-1 Response. Two ethnolinguistic groups—the Tataviam and the Serrano—are ethnographically documented within a 5-mile radius of the Project area. However, Section 3.3.1 and Appendix 3.3A have been updated to include the ethnographic contexts for all six (6) ethnolinguistic groups historically and culturally associated with the broader western Mojave Desert in response to CEC staff's request. These include the Chemehuevi, Serrano, Kawaiisu, Kitanemuk, Tataviam, and Vanyume.

Unrelated to DR CUL/TRI-1, please note that Section 3.3.2.1, Records Search, has been updated to clarify which previously recorded cultural resources are located within the archaeological study area, which are located within the built environment study area, and which are located in both.

DR CUL/TRI-2. In Appendix 3.3A, Appendix E, the Department of Parks and Recreation form 523 for the newly recorded resource ABS-JC-S-05 is missing page 5 of 6. Please submit a complete site record for ABS-JC-S-05 per Appendix B (g)(2)(iii).

DR CUL/TRI-2 Response. Department of Parks and Recreation form 523 for ABS-JC-S-05 within Appendix E of Appendix 3.3A has been updated to include page 5 of 6.

DR CUL/TRI-3. Appendix 3.3A, Appendix C: Cultural Resources Overview Map, includes five points indicating a known built environment resource without a clear label of which resource is being indicated by their presence. Additionally, all built environment resources discussed in the Built Environment Inventory and Evaluation Report in Appendix 3-3B, appear to already be labeled by other points indicated on the map. Please update this map, and, if necessary, update Appendix 3-3B, to reflect these potential resources as well.

DR CUL/TRI-3 Response. Appendix C, Cultural Resources Overview Map, of Appendix 3.3A has been updated to remove the five points without labels.

DR CUL/TRI-4. Section 2 Project Description, subsection 2.4.4, p. 2-20 states, "Fill material requirements will be satisfied by offsite borrow pits or quarries." To help avoid cultural resources and unknown buried cultural resources please provide information on where the fill material would be obtained from, a map of their locations relative to the proposed project, and whether they are licensed to sell fill material for use elsewhere. If they are not licensed, then environmental review of the locations would likely be required.

DR CUL/TRI-4 Response. The Project will likely utilize either the Scholl Canyon Landfill (7721 North Figueroa Street, Los Angeles, California 90041) or the Big Rock Creek Construction Materials site (35451 155th Street East Pearblossom, California 93553). Both of these sites are licensed to sell fill materials elsewhere, so no environmental review of the locations will be required. A map showing the two fill sites in relation to the Project location can be found below.

4 Geological Hazards and Resources

Cal. Code Regs. Tit. 20 § 1704, (a) (3) (A) requires a description of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document. Appendix B (g) (17) (B) requires a map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within two (2) miles of the project site and along proposed facilities. It also requires an analysis of the likelihood of ground rupture and seismic shaking, mass wasting and slope stability, liquefaction, subsidence, and expansion or collapse of soil structures at the plant site and asks to describe known geologic hazards along or crossing linear facilities.

Four separate figures in Section 3.4 Geologic Hazards and Resources identify geologic units, faults, liquefaction risk and landslide susceptibility but do not contain all features within 2 miles of the project.

DR GEO-1. Please expand the maps to include the required scope of all required elements at least two miles from the project.

DR GEO-1 Response. Please see updated Figures 3.4-2 through 3.4-5. Updated figures are drawn at a minimum 1:24,000 scale, include a two (2) mile buffer of the site, and all identify all features within the two (2) mile buffer.

Section 3.4.2.3.1, part A states that there is no risk of fault rupture at the project site, however, a fault has been identified on Figure 3.4-2 that is 0.4 miles from the project and another less than one mile.

DR GEO-2. Please provide more detail and explanations on why these faults are not expected to impact the project.

DR GEO-2 Response. According to the California Geological Survey (CGS), Holocene-active faults are considered to be most at risk of experiencing fault rupture in the event of a seismic event and, as such, are regulated by the Alquist–Priolo Earthquake Fault Zoning Act (CGS 2018). As discussed in Section 3.4.1.4, the Project site is not located within or near an Alquist–Priolo Fault Zone, and no known Holocene-active faults intersect any of the proposed Project elements. The closest major Holocene-active fault to the Project site is the San Andreas Fault, located approximately 4 miles northeast of the Project site, and while there are mapped fault strands closer to the site, they are identified as pre-Quaternary (i.e., no evidence of displacement within at least the last 11,700 years) and thus not likely to experience fault rupture (Figure 3.4-2, Faults). In addition, construction and operation of the Project will not increase the potential for earthquakes or fault movement to occur. The proposed Project will not directly or indirectly cause potential substantial adverse effects, including rupture of a known earthquake fault. No impact will occur.

Please see Section 3.4.2.3.1 for a redline of the original application section.

Cal. Code Regs. Tit. 20 § 1704, (a) (3) (B) requires descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document, and a description of ongoing research of significant to the project. Cal. Code Regs. Tit. 20 § 1704, (a) (3) (C) requires a list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each

reference. Appendix B (g) (17) (C) requires a map along with a description and discussion of techniques used to identify and evaluate geologic resources of value.

Subsections 3.4.2.3.4 and 3.4.2.3.5 along with Figure 3.4-5 identify the "mineral resource zones". However, the text and figure do not identify what those resources are, where the information comes from specifically, or why the project would have no impact.

DR GEO-3. Please provide more detail and discussion on the minerals near the project and why the project is not expected to result in a significant impact to these resources.

DR GEO-3 Response. The California Division of Mines and Geology classifies the regional significance of mineral resources in accordance with the California Surface Mining and Reclamation Act (SMARA) of 1975, using a classification system that divides land into four mineral resource zones (MRZs) that have been designated based on quality and significance of mineral resources. The Project site is not located within a designated MRZ, and no mines or gravel pits are located in the vicinity of the Project site. According to the Los Angeles County General Plan and Antelope Valley Area Plan, the nearest MRZs with known aggregate resources (MRZ-2 areas) are located approximately 11 miles to the southwest and approximately 8 miles to the northeast (Figure 3.4-5, Mineral Resources Zones).

The California Geologic Energy Management Division (CalGEM) provides locations of active and abandoned oil and gas wells in California. The Project site is not located in a designated CalGEM oil/gas field, and no oil/gas wells are located in the vicinity of the site.

As a result, the Project will not result in the loss of availability of a known mineral resource that will be of value to the region and the residents of the state. No impact will occur.

Please see the redlines in Sections 3.4.1.9 and 3.4.2.3.4 for full text and references.

Appendix B (i) (2) requires detailed contact information on officials contacted within permitting agencies involved in the project. Table 3.4-3 lists two required permits but does not list specific contacts beyond identifying the agency.

DR GEO-4. Please identify the agency contacts specifically.

DR GEO-4 Response. Table 3.4-3, Permits and Agency Contacts, has been updated to include specific contact information for Los Angeles County Public Works and the Los Angeles Regional Water Quality Board.

5 Land Use

Per California Code of Regulations, title 20, section 1704 (a) (3) (A), an Opt-In Application for Certification must include descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document. California Code of Regulations, title 20, Appendix B (g) (3) (A) and Appendix B (g) (3) (A) (i) also require the application to include a discussion of existing land uses, general plan land use designations, and current zoning districts (including any overlay districts) at the site, and land uses within one mile of the proposed site and within one- quarter mile of any project-related linear facilities (i.e., residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses).

The project application does not provide sufficient detail of the existing land uses within one mile of the proposed site and within one-quarter mile of the proposed gen-tie, nor does it provide information on the methodology used (i.e., desktop survey, site reconnaissance, review of planning documents) to identify existing land uses within the project site's one-mile radius and within one-quarter mile of either side of the edge of the project gen-tie's right-of-way (ROW). In Section 3.6 Land Use, subsection 3.6.1.2 in the Application (TN 264413), the applicant states that land uses within the surrounding area include "…undeveloped and rural lands, multiple high-voltage transmission lines and an electrical substation, paved and rural roads, State Route 14, and railroad lines…a few single-family residences adjacent to the BESS site's northern and western boundaries, as well as a few other single-family residences in the vicinity of the gen-tie line routes." However, the Application does not provide an inventory of the existing land uses within one mile of the proposed site and within one-quarter mile of the proposed gen-tie ROW as required per California Code of Regulations, title 20, Appendix B (g) (3) (A) and Appendix B (g) (3) (A) (i).

The project application also does not provide sufficient detail of the zoning designations applicable to the project site. While subsection 3.6.1.3 (TN 264413) discusses the project site's zoning, it does not identify any of the Los Angeles County overlay districts that are applicable to the site. CEC staff have reviewed Los Angeles County's online zoning code map (Z-NET) and determined that the project site is within the Acton Community Standards District (CSD). The discussion of current zoning districts in the Application at section 3.6 must be updated to reflect that the project is within the Acton CSD and is subject to the development standards of this overlay district. Furthermore, subsection 3.6.2 acknowledges that the project's gen-tie line would be located within the Santa Clara River Significant Ecological Area (SEA), but does not discuss the project's consistency with the County's SEA Ordinance (Los Angeles County Code Chapter 22.102).

DR LAND-1. Per California Code of Regulations, title 20, section 1704 (a) (3) (A), (a) (3) (B), (a) (3) (C), and California Code of Regulations, title 20, Appendix B (g) (3) (A) and Appendix B (g) (3) (A) (i), please provide the following:

a. Provide a land use inventory of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses that are located within one mile of the project site and within one- quarter mile of the project gen-tie line ROW. The land use inventory should include a description of the methodology used (i.e., desktop survey and/or site reconnaissance) to develop the inventory. For each identified land use, please include the following information:
   - Land use name if applicable (e.g., business name, private residence, etc.)

- Land use type (e.g., residential, commercial, recreational);
- Land use designations and zoning designations;
- Address or assessor parcel number; and
- Approximate distance from the project site and/or the gen-tie line ROW.

DR LAND-1(a) Response. A land use inventory of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas and any other area of unique land uses that are located within 1 mile of the battery energy storage system (BESS) facility site and within 0.25 miles of the gen-tie line corridor has been completed.

A land use inventory was completed by desktop using geographic information system (GIS) data from Los Angeles County. For each Assessor's Parcel Number (APN) within 1 mile of the BESS facility site and 0.25 miles of the gen-tie line corridor, the following information is included: (1) APN; (2) land use designations and zoning designations; (3) land use type and description; and (4) approximate distance from the Project site and/or the gen-tie line ROW. The land use inventory is included as Appendix 3.6B.

In addition, a list of notable land uses within 1 mile of the BESS facility site and within 0.25 miles of the gen-tie line corridor is provided in Section 3.6.1.2. The list was generated using the abovementioned GIS land use inventory and Google Earth. The notable land uses from the list are depicted in Figure 3.6-6. There are no schools, hospitals, campgrounds, libraries, churches, or parks within 1 mile of the BESS facility site and within 0.25 miles of the gen-tie line corridor.

b. Provide an updated Application section 3.6 that identifies the Acton CSD and Santa Clara River SEA as zoning districts applicable to the project site and provide a discussion of all relevant development standards and permitting requirements from the Acton CSD and Santa Clara River SEA.

DR LAND-1(b) Response. A discussion of all relevant development standards and permitting requirements from the Acton CSD and Santa Clara River SEA has been added to Section 3.6.2.3.2. In particular, refer to new Tables 3.6-2 and 3.6-3.

California Code of Regulations, title 20, Appendix B (g) (3) (A) (ii) requires the application to discuss any recent or proposed zone changes and/or general plan amendments noticed by an elected or appointed board, commission, or similar entity at the state or local level. California Code of Regulations, title 20, Appendix B (g) (3) (B) requires the application to discuss the project's conformity with any long-range land use plans and policies adopted by any federal, state, regional, or local planning agencies.

It should be noted that the Los Angeles County Board of Supervisors (BOS) has issued two motions that are relevant to the BESS and transmission line components of the proposed project but are not discussed in the project application. In December 2023, the County Board of Supervisors issued a motion to develop a permitting structure and development standards for BESS (https://file.lacounty.gov/SDSInter/bos/supdocs/186943.pdf). In April 2024, the County Board of Supervisors issued a motion to update the Los Angeles County Renewable Energy Ordinance (REO) to identify renewable energy development zones and to incorporate best practices and development standards for renewable energy project development (https://file.lacounty.gov/SDSInter/bos/supdocs/190264.pdf).

As a result of these two Los Angeles County BOS motions, the Los Angeles County Department of Regional Planning (LA County Planning) is currently in the process of updating its 2016 REO and is anticipating the start of the environmental review process for the REO Update in Fall 2025. See the LA County Planning REO Update page at: https://planning.lacounty.gov/long-range-planning/reo-update/. As part of the REO Update process, LA County Planning has been hosting public outreach meetings to solicit input on various renewable energy technologies and BESS. On June 17, 2025, LA County Planning hosted a community meeting to discuss siting considerations for BESS technologies. The slide presentation and video recording of this community meeting (including oral comments) is available at the following link: https://planning.lacounty.gov/long-range-planning/reo-update/events/.

Application Subsection 3.6 must be updated to acknowledge Los Angeles County's current planning efforts specific to utility-scale BESS and other electric infrastructure such as transmission. Staff recognize that Los Angeles County's development standards for renewable energy generation and BESS are currently undergoing revisions that will be included in the REO Update. CEC land use staff will coordinate directly with LA County Planning to remain informed of these proposed revisions throughout the Opt-In process.

> **DR LAND-2.** Per California Code of Regulations, title 20, Appendix B (g) (3) (A) (ii) and Appendix B (g) (3) (B), discuss the project's conformity with the Los Angeles County BOS motions issued in December 2023 and April 2024. This discussion should acknowledge and discuss the County's current efforts to update its REO.
>
> **DR LAND-2 Response.** It should be noted that the Los Angeles County Board of Supervisors (BOS) has issued two motions related to the BESS and transmission line components of projects. In December 2023, the BOS issued a motion to develop a permitting structure and development standards for BESS available on the BOS website: (https://file.lacounty.gov/SDSInter/bos/supdocs/186943.pdf). In April 2024, the BOS issued a motion to update the Los Angeles County Renewable Energy Ordinance (REO) to identify renewable energy development zones and to incorporate best practices and development standards for renewable energy project development, also available on the BOS website: (https://file.lacounty.gov/SDSInter/bos/supdocs/190264.pdf).
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>
> These updates are still very early in the process, and no changes have been enacted to date. It cannot be speculated as to whether any such future changes will be enacted or how those future enactments might affect the County's processes.
>
> To the extent information is available about these ongoing processes, it has been added to Table 3.6-4 and Section 3.6.5.3.

California Code of Regulations, title 20, Appendix B (g) (3) (A) (iv) requires the application to include legible maps of the areas identified in subsection (g) (3) (A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.

The Application includes Figure 3.6-4, Existing Zoning (TN 264413), which illustrates the Los Angeles County zoning designations for the project site and surrounding area. However, staff reviewed Los Angeles County's online zoning code map (Z-NET) and determined that the project site's zoning layers illustrated in Figure 3.6-4 are incorrect. Figure 3.6-4 suggests that the entire project site is zoned A-1-2 (Light Agricultural).

According to Z-NET, the northeastern portion of the project site contains parcels that are zoned A-2-2 (Heavy Agricultural). Furthermore, Figure 3.6-4 does not identify the Acton CSD or the Santa Clara River SEA, which are zoning districts applicable to the project site. Figure 3.6-4 in the application must be updated to reflect the correct zoning designations and identify the overlay districts.

> **DR LAND-3.** Per California Code of Regulations, title 20, Appendix B (g) (3) (A) (iv), provide an updated Figure 3.6-4 that illustrates the correct zoning designations and identifies the Acton Community Standards District and the Santa Clara River SEA.
>
> **DR LAND-3 Response.** An updated Figure 3.6-4 is provided in the redline version of Section 3.6.

California Code of Regulations, title 20, Appendix B (g) (3) (C) requires the application to discuss the legal status of the parcel(s) on which the project is proposed. If the proposed site consists of more than one legal parcel, the application must describe the method and timetable for merging or otherwise combining those parcels so that the proposed project, excluding linears and temporary laydown or staging area, will be located on a single legal parcel.

Application section 1.4 (TN 264413) states that "…[t]he Applicant, or its affiliates, has site control of the BESS site including the Southern Gen-Tie Route." Application subsection 3.6.7 (TN 264413) further states that "…[l]ot line adjustment or merger may not be appropriate or feasible because the parcels under site control do not have a common owner." Because the parcels under site control do not have a common owner, CEC staff assume that the applicant has entered into separate lease agreements with each of the parcel owners within the project site. To confirm that the applicant has site control for the entire project site throughout the anticipated 40-lear life of project, staff require further information regarding the terms and conditions of each lease agreement.

> **DR LAND-4.** Per California Code of Regulations, title 20, Appendix B (g) (3) (C), provide documentation of site control for each of the parcels within the project site. Documentation can include a copy of each lease agreement and/or a table identifying the terms and conditions of the lease agreement for each parcel within the project site, including timeline for execution of lease agreement, duration of lease agreement, and lease renewal timelines.
>
> **DR LAND-4 Response.** The table below shows the APN, Project location, contract type, expiration/exercise date, and type of supporting documentation provided to show Project site control. For sites with near-term expiry dates, the Project will involve either negotiating an extension to the purchase option or exercising the option. Site control documents can be found in Appendix 3.6C.

APN	Location	Contract Type	Expiry Date	Supporting Documentation
3056017007	BESS Site	Purchase Option	9/28/2025	Redacted Purchase Agreement Memo
3056017020	BESS Site	Purchase Option	9/28/2025	Redacted Purchase Agreement Memo

APN	Location	Contract Type	Expiry Date	Supporting Documentation
3056017021	BESS Site	Purchase Option	9/28/2025	Redacted Purchase Agreement Memo
3056019013	BESS Site	Purchase Option	7/11/2027	Redacted Purchase Agreement Memo and Amendment
3056019026	BESS Site	Purchase Option	10/2/2026	Redacted Purchase Agreement Memo
3056019037	BESS Site	Owned	N/A	Grant Deed
3056019040	BESS Site	Owned	N/A	Grant Deed
3056015008	North & South Gen-Tie	Purchase Option	8/18/2026	Redacted Purchase Agreement Memo and Amendment
3056015023	North & South Gen-Tie	Purchase Option	10/17/2025	Redacted Purchase Agreement Memo
3056017027	North & South Gen-Tie	Purchase Option	1/26/2026	Redacted Purchase Agreement Memo
3056017028	North & South Gen-Tie	Purchase Option	1/26/2026	Redacted Purchase Agreement Memo
3056017026	North Gen-Tie	Purchase Option	10/17/2026	Redacted Purchase Agreement Memo and Amendment
3056017904	North Gen-Tie	Easement Agreement	N/A	N/A
3056017905	North Gen-Tie	Easement Agreement	N/A	N/A
3056017016	South Gen-Tie	Purchase Option	6/25/2027	Redacted Purchase Agreement Memo
3056017022	South Gen-Tie	Purchase Option	9/15/2026	Redacted Amended Purchase Agreement Memo
3056027007	South Gen-Tie	Purchase Option	9/19/2025	Redacted Purchase Agreement Memo
3056027031	South Gen-Tie	Purchase Option	9/16/2025	Redacted Purchase Agreement Memo

California Code of Regulations, title 20, Appendix B (i) (2) and Appendix (B) (i) (3) require the name, title, phone number, address (required), and email address (if known), of an official who was contacted within each permitting agency, as well as a schedule of when permits outside the authority of the commission will be obtained.

Application subsection 3.6.6, Table 3.6-3 (Permits and Agency Contacts) (TN 264413), identifies the applicable land use permits and agency contacts for the project. However, some agency contact information is missing from Table 3.6-3. CEC requests an update to Table 3.6-3 that includes all required contact information for each of the permitting agencies applicable to the project. If permitting by an agency is not applicable to this project, the inapplicability should be stated.

> DR LAND-5. Per California Code of Regulations, title 20, Appendix B (i) (2) and Appendix (B) (i) (3), please update Table 3.6-3 (Permits and Agency Contacts) to include a contact name and phone number for each permitting agency that is applicable to the project. Where an agency permit is not applicable, please note it as such.

DR LAND-5 Response. Table 3.6-3 (now numbered as Table 3.6-5 due to the addition of tables to address DR LAND-1) has been updated to include a contact name and phone number for the Los Angeles County Public Works Department and the Los Angeles County Metropolitan Transportation Authority.

6 Paleontological Resources

Appendix B (g) (16) (B) requires a discussion on the paleontological sensitivity of the geologic units. Discussion of geologic units in Section 3.8 Paleontological Resources, subsections 3.8.1 and 3.8.2 of the application address late Pleistocene dissected surficial sediments but does not mention the Holocene deposits. No rationale was provided on how the Holocene units were assigned a sensitivity rating.

DR PAL-1. Please provide more detail on the Holocene units and why they have a low sensitivity rating.

DR PAL-1 Response. Additional detail on the Holocene units and why they have a low sensitivity rating has been added to Section 3.8.2 of the application. The Holocene sedimentary deposits that underlie portions of the proposed gen-tie lines have low paleontological sensitivity (or potential) and are generally considered to be too young to contain significant fossils in their original stratigraphic context, as not enough time has elapsed to allow for fossilization to occur. In addition, Holocene sedimentary deposits are usually unconsolidated to slightly consolidated, which allows decomposing bacteria that thrive in oxygen-rich environments to decompose organic remains prior to fossilization occurring.

Please see Section 3.8.2 for a redline of the original application section.

Appendix B (g) (16) (D) requires occurrences of fossil finds within a 1-mile radius of the project to be mapped and submitted as a confidential document to the commission.

Appendix 3.8A identifies fossil finds near the project site in text but does not present the data geographically.

DR PAL-2. Please present the data on a map at the required scale and scope. If the fossil finds are outside of a 1-mile radius from the project, make it clear in the text that they are as such.

DR PAL-2 Response. There are no fossil finds within a 1-mile radius of the Project. The distance from the nearest fossil finds to the Project site has been added to Section 3.8.2.1.1 of the application. As described in Section 3.8.2.1.1, the reported eight (8) fossil localities along Avenue S between Palmdale and Lake Los Angeles are approximately 10.45 miles to 25.42 miles northeast of the Project site, and the Mastodon (Mammutidae) and horse (Equus) localities are approximately 5.58 miles northeast of the Project site.

Please see Section 3.8.2.1.1 for a redline of the original application section.

7 Public Health

The applicant mentions in Section 2.3 Public Health, subsection 2.3.1.9 that the BESS units are fully certified to the most rigorous international safety standards including UL 9540A - Standard Test Method for Evaluating Thermal Runaway Fire Propagation in Battery Energy Storage Systems. Staff requests supplemental information to further assist the CEC staff and the public in their review of the air quality and public health impacts during any battery thermal runaway/fires.

DR PH-1. Please provide a copy of the UL 9540A report(s), for the specific or multiple battery manufacturer(s) that have been chosen, including measured emissions of criteria air pollutants, toxic air contaminants (TACs), and greenhouse gases (GHG), including but not limited to carbon monoxide, carbon dioxide, benzene, particulate matter, metals, hydrogen chloride, hydrogen fluoride, and hydrogen cyanide.

DR PH-1 Response. A confidential copy of the three (3) UL 9540A reports have been provided.

DR PH-2. Please provide the exact locations (latitude and longitude or UTM coordinates) and physical dimensions of the BESS enclosures for modeling purposes. Additionally, for dispersion modeling of all potential criteria air pollutants, GHG, and TACs that may be released during combustion events, please provide the following input parameters:

- Emission rates
- Exhaust temperature
- Exhaust diameter
- Exhaust pressure
- Exhaust gas velocity

Please also provide detailed calculations and justification for parameters used in the calculation of the air pollutant density values. In addition, include the total number of battery cells per module and per unit, and attach the calculation worksheet if available.

DR PH-2 Response. A supplemental thermal runaway/fire scenario analysis technical memorandum (plume study) is provided. This analysis is in addition to the Plume Analysis previously provided to the CEC by Fire & Risk Alliance (TN# 264382) and provides a different but complementary analysis of fire safety and public health. Methodology and input parameters are provided in Section 5 of the plume study, and detailed calculations are provided in Attachments A and B of the plume study. The plume study is provided as Appendix 3.9B.

DR PH-3. Please provide a dispersion modeling analysis of all potential criteria air pollutants and TACs for the thermal runaway/fire scenario using a well-validated model (AERMOD and HARP2 preferred).

DR PH-3 Response. A supplemental thermal runaway/fire scenario analysis technical memorandum (plume study) is provided. The plume study was completed using AERMOD. The plume study is provided as Appendix 3.9B.

DR PH-4. Please compare the modeled fire-related TACs concentrations to the Office of Environmental Health Hazard Assessment (OEHHA) /California Air Resources Board (CARB) 1-hour acute Reference Exposure Levels (RELs) and demonstrate whether the acute hazard Index (HI) of TACs would be higher than the significance threshold of 1.0 at sensitive receptors. If an OEHHA 1-hour acute REL is not available, a level 1 U.S. EPA Acute Exposure Guideline Level (AEGL) shall be used as the threshold of significance. Please demonstrate whether the criteria air pollutant impacts would cause or contribute to any exceedance of ambient air quality standards. If exceedances occur, provide a detailed Emergency Response Plan and outline the applicable regulatory notification requirements.

DR PH-4 Response. Please refer to Sections 6 and 7 of the plume study. The results of the analysis show that emissions from the BESS would not result in an acute hazard index greater than the threshold of 1, exceed the AEGL, or exceed any Ambient Air Quality Standards at the maximally exposed receptor assuming 50 cells underwent thermal runaway. The plume study is provided as Appendix 3.9B.

8 Socioeconomics

California Code of Regulations, title 20, Appendix B (g) (7) (A) (iv) requires the application include the capacities, service standards, existing and expected use levels and planned expansion of utilities (gas, water, and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, school districts, parks and recreation facilities, parks and recreation facilities, libraries, and other public facilities.

Section 3.10 Socioeconomics, subsection 3.10.1 of the application (TN 264413) includes a discussion of utilities, fire protection, law enforcement, emergency response, medical facilities, and libraries. However, a discussion of the capacities, service standards, existing and expected use levels and planned expansion of park and recreation facilities was not included in the application.

> **DR SOCIO-1.** Discuss the capacities, service standards, existing and expected use levels and planned expansion of parks and recreation.
>
> **DR SOCIO-1 Response.** A discussion of capacities, service standards, existing and expected use levels, and planning expansion of parks and recreation is provided in Section 3.10.1.6.6. Specifically, the discussion is focused on parks and recreation related policies from the Antelope Valley Area Plan, the County of Los Angeles Department of Parks and Recreation Strategic Plan and the County's Parks Needs Assessment, and the nearest parks and recreation facilities to the Project site.
>
> Please see Section 3.10.1.6.6 for a redline of the original application section.

California Code of Regulations, title 20, Appendix B (g) (7) (A) (v) requires the application include the potential impacts, including additional costs and ability to meet local service standards, on utilities (gas, water, and waste), and public services, including fire, law enforcement, emergency response, medical facilities and other assessment districts, and school districts. Include response times to hospitals and for police protection, fire projection, emergency services, parks and recreation facilities, libraries, and other public facilities.

Subsection 3.10.2 includes a discussion of potential impacts on utilities, fire, and law enforcement. The response times for law enforcement, fire, and emergency response are included in Subsection 3.10.1.

> **DR SOCIO-2.** Discuss the potential impacts, including additional costs and ability to meet local service standards on medical facilities, parks and recreation, and libraries.
>
> **DR SOCIO-2 Response.** Additional discussion of the Project's potential impacts on medical facilities, parks and recreation, and libraries is provided in Section 3.10.2.3.7.
>
> Please see Section 3.10.2.3.7 for a redline of the original application section.

9 Soils

Appendix B (g) (1) requires reference materials for the cumulative setting. Section 3.1 Soils, subsection 3.11.3 references SWPPP, DESCP, and Los Angeles County grading and building ordinances and requirements. The section does not reference the Los Angeles County General Plan.

> **DR SOILS-1.** Please add a reference to relevant elements of the Los Angeles County General Plan that contain goals, policies, objectives, and/or actions regarding the mitigation of impacts to soils.
>
> **DR SOILS-1 Response.** Section 3.11.5.3, Local LORS, has been updated to include a reference to the Los Angeles County General Plan elements that relate to soils.

Appendix B (i) (2) requires detailed contact information on officials contacted within permitting agencies involved in the project. Table 3.11-3 lists one required agency but does not a list specific contact beyond identifying the agency.

> **DR SOILS-2.** Please provide contact information for an appropriate official at the Los Angeles County Public Works Agency.
>
> **DR SOILS-2 Response.** Table 3.11-3, Permits and Agency Contacts for Soil Resources, has been updated to include specific contact information for the appropriate official at the Los Angeles County Public Works Agency.

10 Traffic and Transportation

In Section 3.12 Traffic and Transportation, subsection 3.12.3.2, the applicant provides a Vehicle Miles Traveled (VMT) estimate for the construction phase but does not include any explanation of how this estimate was calculated. Additionally, Table 3.12-3, which is referenced for context, is not included in the Transportation section.

DR TRANS-1. Please provide the referenced Table 3.12-3 and identify whether Project related VMT during construction exceeds the County's standard. In subsection 3.12.2.1 page 3.12-7, the applicant states that level of service (LOS) is used to measure impacts for residential streets, yet in the Intersection LOS with construction Traffic (Table 3.12-12), the analysis is based on delay and queue lengths rather than LOS grades at Intersection 1 and 3. This approach appears to be based on labeling Sierra Highway as a major Highway; however, according to Table 3.12-6 (Roadway Classification), Sierra Highway does not meet the criteria for a major highway as it has a total of 4 lanes. Major highways are defined as 6-8 lanes in the report.

DR TRANS-1 Response. The referenced Table 3.12-3 has been provided in the section. The Project-related VMT during construction estimated as 11.6 VMT per worker, which is significantly below the County's baseline VMT of 19.0 VMT per worker.

Both LOS and delay have been reported for the seven study area intersections and two Project driveways. Intersections 1 and 3 were assessed for vehicular queuing as part of California Department of Transportation (Caltrans) facilities analysis. As explained in Section 3.12.2.1, Methodology and Significance Criteria, for Caltrans Freeway Off-Ramp Queuing, the requirement is that queuing be assessed for off-ramp intersections. LOS analysis using delay has been provided for the seven study area intersections and two Project driveways. Please see Tables 3.12-5 and 3.12-11.

Sierra Highway is classified as a Major Highway in the Los Angeles County's Master Plan of Highways. The classification for Sierra Highway is accurate; however, it is currently constructed with a two-lane configuration and, therefore, corresponds to the capacity of a Limited Secondary Highway. Therefore, the capacity of a two-lane highway was used in the roadway segment analysis (see Table 3.12-10).

Please see Section 3.12 for a redline of the original application section.

DR TRANS-2. Address why queue length was used as the primary metric to assess construction impacts rather than LOS, given Sierra Highway's classification. Identify and explain if another source was referenced to classify Sierra Highway. Reevaluate if queue lengths are the appropriate metric.

DR TRANS-2 Response. As noted in Section 3.12.2.1, Methodology and Significance Criteria, Los Angeles County criteria for assessing signalized intersections and Caltrans criteria for assessing off-ramps requires using queuing. There is no specific criteria for traffic or level of service in the County's current transportation guidelines; however, LOS is used as an industry standard for assessing traffic operations and used extensively by all jurisdictions. LOS analysis using delay has been provided for the seven study area intersections and two Project driveways. Please see Tables 3.12-5 and 3.12-11.

Please see Section 3.12 for a redline of the original application section.

In the Caltrans Facilities Analysis (Table 3.12-12), the northbound right-turn (NBR) queue lengths at Intersection 1 for the 95th percentile do not exceed the storage length for the Existing plus Project Conditions. However, according to Appendix A, Part 4 – Turning Movement Performance, the NBR storage bay is 55 feet, which would mean the reported queue exceeds this length.

> **DR TRANS-3.** The gore point (triangular area between through lanes and an off ramp or two merging roadways) is used as the storage length reference for both NBR and NBL (northbound left) movements at Intersection 1. However, the appendix identifies 55 feet as the NBR storage bay. Please explain why storage bay length reported in Appendix A was not used to evaluate queue impacts when that is the parameter set in SimTraffic.
>
> **DR TRANS-3 Response.** As noted above in response to DR TRANS-2, the queuing analysis for Intersections 1 and 3 specifically addresses Caltrans criteria for off-ramp queues and whether those would affect the State Route (SR) 14 mainline operation. While the northbound left turn queue and right turn queue would exceed the storage length of the pocket of approximately 55 feet, the SR-14 westbound off-ramp has approximately 1,000 feet of storage length, which can be used by vehicles. Therefore, the off-ramp would not have queues that would affect the SR-14 mainline operation. The clarification has been added to the Queuing Analysis and Table 3.12-12 Caltrans Facilities Analysis, in Section 3.12.2.3.6.
>
> Please see Section 3.12 for a redline of the original application section.

California Code of Regulations, title 20, Appendix B (g) (5) (F) requires the application include a discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.

> **DR TRANS-4.** Provide a discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.
>
> **DR TRANS-4 Response.** Please refer to Table 3.12-13, Transportation of Hazardous Materials, for a detailed summary of Project-related hazardous materials to be transported to or from the Project during construction and operation, including the types, estimated quantities, estimated total number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport in Section 3.12.2.3.7.
>
> Please see Section 3.12 for a redline of the original application section.

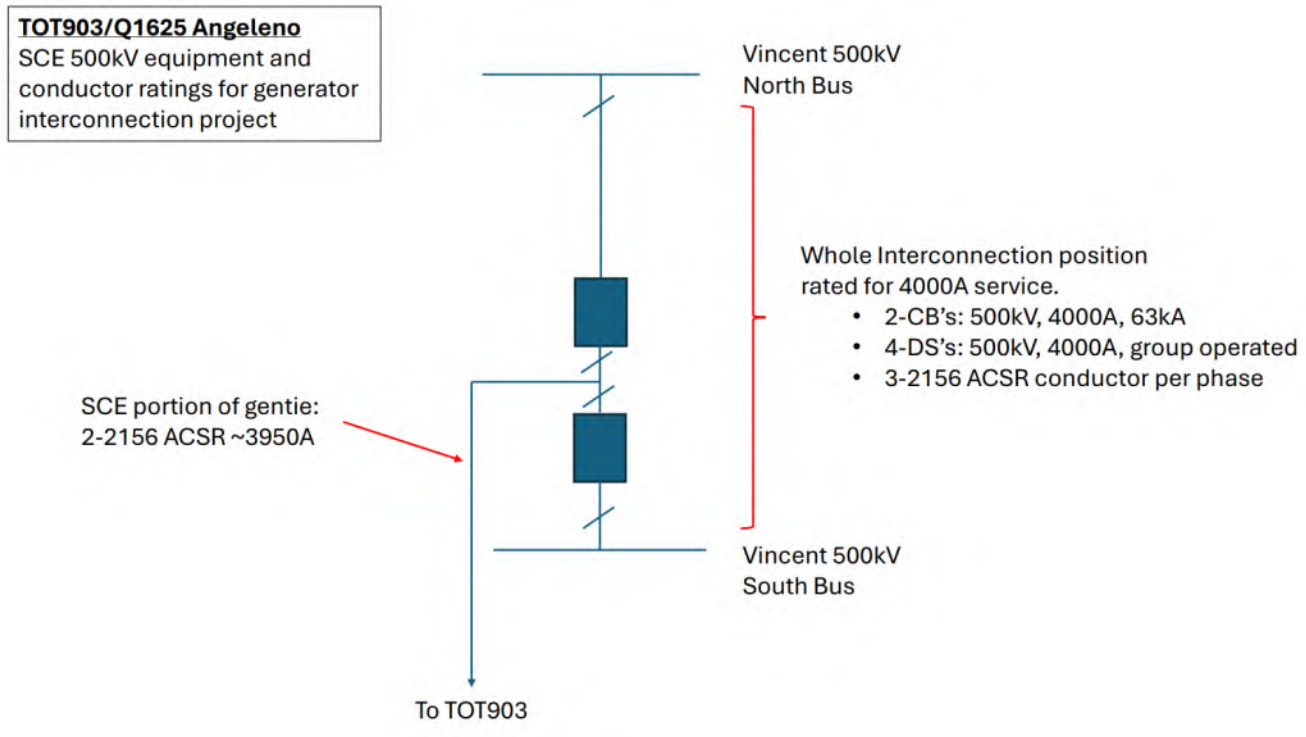
11 Transmission System Design

For the identification of impacts on the transmission system and the indirect or downstream transmission impacts, staff relies on the Phase I and Phase II Interconnection Studies to ensure the interconnecting grid meets the California Independent System Operator (California ISO) reliability standards. The studies analyze the effect of the proposed project on the ability of the transmission network to meet reliability standards. When the studies determine that the project will cause a violation of reliability standards, the potential mitigation or upgrades required to bring the system into compliance are identified. The mitigation measures often include the construction of downstream transmission facilities. CEQA requires the analysis of any downstream facilities for reasonably foreseeable indirect impacts of the proposed project. Without a complete Phase I or Phase II Interconnection Study, staff is not able to fulfill the CEQA requirement to identify the indirect effects of the proposed project.

Complete descriptions of the project transmission and interconnection facilities are also required to determine whether the project, as proposed, would comply with California Public Utilities Commission (CPUC) General Order (GO) 95, 128 and 131-D construction standards. Therefore, please provide following information:

DR TSD-1. Please provide detailed SCE Vincent Substation one-line diagram with the proposed project interconnection. Show all equipment ratings including bay arrangement of the breakers, disconnect switches, buses, generator tie-line, line rating, and other equipment.

DR TSD-1 Response. The Applicant contacted Southern California Edison (SCE), requesting a one-line diagram of the Vincent Substation with the proposed Project interconnection. SCE responded that they could not fulfill the request due to Critical Energy/Electric Infrastructure Information restrictions. SCE did provide a diagram of the position with the requested information (see image below).



DR TSD-2. Please clarify the overhead generator tie-line information. The overhead gen-tie line name, type, size, and current carrying capacity provided in Subsection 2.3.2 of the Application is different from what is provided in Figure A.1 of the Appendix A – Q1625 Queue Cluster 12 Phase II Report.

DR TSD-2 Response. The Project's portion of the overhead gen-tie line information is as described below.

NORTH ROUTE: 3,500 FEET
SOUTH ROUTE: 7,300 FEET
BOTH ROUTES USE TRIPLE BUNDLE 795 KCMIL ACSR "DRAKE"
RATING: 2985 A
POS SEQ: 0.0000207+0.0002241i
ZERO SEQ: 0.0001489+0.0006449i
B: 0.019123339
PHASE SPACING: A-B: 36 FEET; B-C: 36 FEET; A-C: 72 FEET
DISTANCE TO GROUND: 92 FEET
LOWEST COND. TO GROUND: 39 FEET (212°F) 48 FEET (60°F)

In determining the line type, a Max Operating Temperature (MOT) of 212 degrees Fahrenheit was assumed, as well as the other inputs from the Phase II SCE design. The allowable ampacity of the original conductor was 1,485 amps. The current conductor design has an ampacity of 3,396 amps. Allowable ampacity affects how much energy the line can carry, so an increase in ampacity equates to an increase in carrying capacity. In addition, the line design allows for the MOT to increase and still maintain the required clearances. Refer to the TSD-1 Attachment included herein.

DR TSD-3. Please clarify the overhead gen-tie line length. The length of the gen-tie line provided in Section 2 Project Description, subsection 2.3.2 is different from what is provided in Figure A.1 of the Appendix A – Q1625 Queue Cluster 12 Phase II Report.

DR TSD-3 Response. The gen-tie length in Section 2 of the Project Description is correct and is shown below.

Route Name	Applicant Owned Length (Feet)	SCE Owned Length (Feet)	Total Length (Feet)
North Route	3,500	2,800	6,300
South Route	7,300	2,800	10,100

DR TSD-4. Please explain the information provided in Section 2 Project Description, Table 2-3. Please provide the "conductor" name, type, size, and current carrying capacity; purpose and location of the "conductors".

1. 500 kV Gen-tie Line: Applicant Owned: North: 3500 ft long / South: 7300 ft long, Southern California Edison (SCE) Owned: 2800 ft long.
2. Conductors: Applicant Owned: North: 30800 ft / South: 63000 ft, SCE Owned: 16000 ft.

DR TSD-4 Response. The Applicant expects to install triple bundle 795 Drake or equivalent from the BESS to the Point of Change of Ownership. Depending on the selected route, the length of the Applicant's conductor will be either 30,800 feet for the northern route or 63,000 feet for the southern route. These

lengths represent the total conductor length of all phases along the Applicant's portion of the 500 kilovolt (kV) route (north: 3,500 feet long; south: 7,300 feet long). In determining the line type, a MOT of 212°F was assumed, as well as the other inputs from the Phase II SCE design. The allowable ampacity of the original conductor was 1,485 amps. The current conductor design has an ampacity of 3,396 amps. Allowable ampacity affects how much energy the line can carry, so an increase in ampacity equates to an increase in carrying capacity. Triple bundle 795 Drake will be located vertically along monopoles in the Applicant-owned portion of the gen-tie route (see figures in Appendix 2 PSR-TL-005 through PSR-TL-008).

Applicant-owned conductor information:

ASSUMED CONDUCTOR INFORMATION		
795 KCMIL (26/7) ACSR "DRAKE"		
	VALUE	UNITS
DIAMETER	1.108	IN
WEIGHT	1.094	LB/FT
RATED BREAKING STRENGTH	31,500	LB
BUNDLE SPACING	18-18-18	IN-IN-IN

SCE expects to install double bundle 2156 Bluebird or equivalent from the POCO to the Vincent Substation. SCE will install approximately 16,000 feet of conductor on their towers. This length represents the total conductor length of all phases along the SCE portion of the 500 kV route (2,800 feet long). SCE has sized the double bundle 2156 Bluebird to meet the carrying capacity requirements for the Project and will locate the conductor vertically along tower in the SCE-owned portion of the gen-tie route (see figures in Appendix 2 PSR-TL-009).

SCE-owned conductor information:

ASSUMED SCE CONDUCTOR INFORMATION		
2156 KCMIL (84/19) ACSR "BLUEBIRD"		
	VALUE	UNITS
DIAMETER	1.762	IN
WEIGHT	2.511	LB/FT
RATED BREAKING STRENGTH	60,300	LB
BUNDLE SPACING	18-18	IN-IN-IN

DR TSD-5. Please resubmit Section 2.0 "Project Description Appendices 3 of 4 in separate files. The file is too large to open. Please resubmit under separate files such as, but not limited to, as below:

1. QC 12 Phase II Interconnection Study Report SCE Northern Area Report
   a. Appendix and attachments
2. QC 12 Phase II Appendix A-Q1625
   a. Appendix and attachments
3. Affected System Studies
4. 2022 Generator Reassessment Report

5. 2022 Generator Reassessment Report Q1625
6. Large Generator Interconnection Agreement

Staff needs to determine whether the project would cause transmission line overloads which might require transmission line reconductoring or other significant downstream transmission upgrades.

If it has been determined that reconductoring or other downstream upgrades are needed, these upgrades would need to be included in a CEQA analysis.

DR TSD-5 Response. Document Nos. 1–5 have been reuploaded confidentially. Document No. 6 has already been docketed publicly (TN No. 265695).

12 Waste Management

Section 3.14 Waste Management, subsection 3.14.2.3.1, page 3.14-7 states that lithium batteries may be considered hazardous waste in California when discarded. However, page 3.14-8 of the Application states that "Batteries and other equipment and materials will be recycled to the extent feasible to minimize disposal in landfills".

Appendix 2F, Draft Decommissioning Plan, Subsection 5.2.1.1, page 12 of the Application mentions 32 lithium battery recycling facilities worldwide, with 4 of those in North America, and 5 additional plants planned for the United States and Mexico. While certifying projects that include BESS, it has been CEC staff's experience that the public is concerned with the final condition of lithium batteries at the conclusion of the project.

DR WASTE-1. Since California has prohibited disposal of lithium batteries in Class III landfills as of 2006, please revise the statement on page 3.14-8 to clarify that Class III landfills will not be used for lithium battery disposal during decommissioning.

DR WASTE-1 Response. Equipment and materials, excluding lithium battery cells, will be recycled to the extent feasible to minimize disposal in landfills. In 2006, California prohibited the disposal of lithium batteries in Class III landfills. Class III landfills will not be used to dispose the Project's lithium battery cells. Information regarding the potential recycling facilities to be utilized during decommissioning can be found the Project Draft Decommissioning Plan Section 5.2.1.1 (see Appendix 2F).

Section 3.14.2.3.1 has been revised to include the above statement.

DR WASTE-2. Although the options for recycling lithium batteries may change in the future, please indicate at this time, the most likely facility for recycling lithium batteries during decommissioning in subsection 5.2.1.1 in the Draft Decommissioning Plan.

DR WASTE-2 Response. Although the options for recycling lithium batteries may change in the future, at this time, the most likely facility for recycling lithium batteries is the American Battery Technology Recycling Facility in the Tahoe/Reno area. While this is the most likely facility to recycle the lithium batteries today, there are many other facilities planned in Arizona and Nevada that could be utilized in the future.

Section 5.2.1.1 of Draft Decommissioning Plan has been revised to include the information above.

13 Wildfire

The Application discusses an Emergency Response Plan (ERP) in Section 3.5 Hazardous Materials Handling on p. 3.5-14 and includes a template for the plan in Appendix 3.17C. However, the ERP lacks sufficient detail (the discussion is only one sentence long and the template is not project-specific).

> DR WF-1. Please provide additional details for the ERP that includes at a minimum: how the plan would be applied during construction and operation, an outline of the information that would be included in the plan including any standard language regarding evacuation procedures.
>
> DR WF-1 Response. The operational and construction ERPs will ultimately be developed in conjunction with the Los Angeles County Fire Department.

The Prairie Song Reliability Project operational and construction ERPs ensure compliance with OSHA regulations (29 CFR 1910.120[q], 29 CFR 1926.35) and prioritize the safety and awareness of workers, contractors, visitors, and the environment by minimizing risks from hazardous material spills, releases, or exposure. The ERPs will be provided to all local responders and on-site personnel associated with the Project.

The PSRP Operational and Construction ERP will outline the basic safety measures, required fire department access routes, hydrant locations, emergency disconnects, and other relevant features of the BESS. It will be written using terminology that fire department first responders are familiar with, and first responders will be considered as the primary reader. The BESS ERPs, at a minimum, will include the following:

- Definitions and Acronyms
- General Information: Identify the site location; the type of equipment on site; and the location of access points, fire hydrants, and pump stations, and provide an explanation of the site layout and locational identification scheme (i.e., row and BESS numbers).
- Energy Storage System Information: Include information about the cell chemistry and operating characteristics, e-stop locations, smoke and heat detection systems, fire alarm control panel information, and gas detection information.
- Battery Management System Information: The battery management system (BMS) is an autonomous control process that monitors a defined set of operating parameters within the battery container, such as heat, voltage, and amperage. If equipment operates outside of their defined parameters, then an alarm is generated, and equipment is automatically isolated. The BMS also interfaces with the fire alarm control panel (FACP). If heat, smoke, or hydrogen alarms are received alarms are generated and equipment is isolated. Isolation occurs through the operation of the e-stops by the BMS.
- Fire Protection System Details
- Risk Assessment: Conduct a site-specific hazard analysis to identify hazardous materials (e.g., fuels, solvents, paints, adhesives). Assess risks like spills, fires, or exposures.
- Response Tactics: Include matrices that indicate various potential site failures, (i.e., cable, cell, BESS unit, and skid failure) and the appropriate response for each. Include failure models to identify response distances and safe zones. Include recommendations for PPE.
- Post Incident Operations: Include information on PPE, lock out/tag out, stray voltage, thermal exposure assessment, and air sampling.

- Emergency Response Team (ERT): Establish a trained ERT with roles such as incident commander, first aid providers, and spill containment specialists. Ensure team members are trained in HAZWOPER (29 CFR 1910.120[q]).
- Communication Protocols: Use radios, alarms, or mobile devices to alert workers of incidents. Post emergency contact numbers (fire department, medical services) at multiple site locations.
- Evacuation and Containment: Implement primary and secondary evacuation routes and assembly points. Deploy spill kits and containment measures (e.g., absorbent materials, barriers) to control releases.
- Training and Drills: Conduct regular training on hazardous material handling and emergency procedures. Perform drills every 6 months to simulate spills, fires, or exposures.
- Regulatory Compliance: Ensure compliance with OSHA 1926.65 (Hazardous Waste Operations) and local regulations. Update the ERP as site conditions change (e.g., new materials or phases).
- Evacuation Procedures
  - Detailed steps for evacuation, including signage and locational markers.
  - Designation of primary and secondary evacuation routes and assembly points.
  - Procedures for shelter-in-place or lockdown, if applicable.
- Hazardous Material Incident Response
  - Procedures for containing and controlling spills (e.g., use of absorbent materials, barriers).
  - Protocols for handling exposures (e.g., decontamination, first aid).

In addition to the above information, the PSRP Construction ERP will detail specific hazards, characteristics of battery-specific failures, and a process to alert and muster on-site construction personnel in the event of an emergency. A process for alerting fire department personnel and a process for post-event inspection monitoring and return-to-work actions will be included.

During operations, the PSRP ERP will be updated to include hazardous materials for chemicals used in maintenance, cleaning, or production. The operational ERP will be applied as follows:

- Ongoing Hazard Monitoring: Maintain an inventory of hazardous materials and their safety data sheets (SDS). Regularly inspect storage areas.
- ERT Continuity: Maintain a trained ERT with updated certifications. Assign roles for operational-specific hazards, such as chemical releases in confined spaces.
- Communication Systems: Install permanent alarm systems and communication channels to notify employees and external responders (e.g., fire department) during incidents.
- Evacuation and Shelter-in-Place: Establish evacuation routes and shelter-in-place zones for scenarios like toxic gas releases. Ensure routes are marked and accessible.
- Training and Maintenance: Provide annual refresher training on hazardous material handling and emergency response. Conduct regular inspections of safety equipment (e.g., spill kits, fire extinguishers).
- Incident Reporting: Document all incidents and near-misses involving hazardous materials to improve procedures and ensure compliance with OSHA 1910.120(q).

Attachment 1

Section 3.3, Cultural and Tribal Cultural Resources - Redline Version

3.3 Cultural Resources

This section describes cultural resources, inclusive of archaeological, built environment, and tribal cultural resources, in and near the Prairie Song Reliability Project (project), and the potential effects the project may have on these resources. The project will consist of an up to 1,150-megawatt (MW) containerized battery energy storage system (BESS) facility utilizing lithium-iron phosphate cells, or similar technology, operations and maintenance (O&M) buildings, a project substation, a 500-kilovolt (kV) overhead generation interconnection (gen-tie) transmission line, and interconnection facilities within the existing Southern California Edison (SCE) owned and operated Vincent Substation.

This evaluation of cultural resources includes the following elements:

- **Section 3.3.1** describes the area of potential impacts for cultural resources, environmental setting, including an overview of the cultural chronology, ethnographic setting, and historic setting;
- **Section 3.3.2** presents the methodology and identification of cultural resources and the results of these efforts;
- **Section 3.3.3** provides the thresholds for significance and includes potential impacts of project construction and operation (including maintenance) on cultural resources;
- **Section 3.3.4** evaluates any potential cumulative impacts on cultural resources in the project vicinity;
- **Section 3.3.5** lists the proposed mitigation measures;
- **Section 3.3.6** discusses the applicable laws, ordinances, regulations, and standards (LORS);
- **Section 3.3.7** lists the agencies involved and agency contacts;
- **Section 3.3.8** discusses permits and permit schedules; and
- **Section 3.3.9** lists reference materials used in preparing this section.

The following environmental setting and impact evaluation is based in part on the following project-specific technical documents, included as appendices to this Application:

1. **Appendix 3.3A,** Archaeological Resources Management Report, prepared by Dudek, ~~April~~ August 2025
2. **Appendix 3.3B,** Built Environment Inventory and Evaluation Report, prepared by Dudek, March 2025

A summary of the cultural resources evaluation is provided in the table below.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
1) Cause a substantial adverse change in the significance of a historical resource pursuant to §15063.4?	☐	☐	☐	☒

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
2) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15063.4 or disturb any human remains, including those interred outside of dedicated cemeteries?	☐	☒	☐	☐
3) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is A. Listed or eligible for listing in the California Register of Historical Resources (CRHR), or in a local register of historical resources as defined in PRC section 5020.1(k)? B. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of PRC Section 5024.1. In applying the criteria set forth in subdivision (c) of PRC Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?	☐	☒	☐	☐

3.3.1 Area of Potential Impacts for Cultural Resources and Environmental Setting

The project's area of potential impacts (API) for archaeological resources (archaeological study area), as represented by the area that may be subject to physical impacts, is approximately 139 acres. This includes the proposed BESS facility footprint as well as any access roads, laydown yards, and both gen-tie route corridor options with a 50-foot buffer. To note, new pedestrian archaeological surveys of the BESS facility footprint extended into publicly accessible areas beyond the site boundaries. The BESS facility footprint is surrounded by private property and beyond the established limits that could be affected by proposed project-related construction or operation (Figure 3.3-1, Area of Potential Impacts for Cultural Resources).

The project's API for built environment resources (built environment study area) encompasses the geographic area or areas within which the project may directly or indirectly cause a substantial adverse change in the significance of a known or unknown historical resource This includes the proposed BESS facility footprint as well as any access

roads, laydown yards, and both gen-tie route corridor options with a 0.5-mile buffer (Figure 3.3-1, Area of Potential Impacts for Cultural Resources).

For the purposes of providing management recommendations, the vertical underground extent of the API, as represented by the average depth of ground disturbance for the project, is assumed to be 10 feet below the existing ground surface. The maximum ground disturbance depth is assumed to be 25 feet to 55 feet below the existing ground disturbance for the gen-tie line structure foundations. The vertical above ground extent of the API is anticipated to be up to approximately 243 feet, which is the height of the tallest gen-tie line structure proposed for construction (gen-tie line structures will range from 155 feet tall to 243 feet tall).

The project is located in northern Los Angeles County within the foothills of the Sierra Pelona Mountains and at the edge of the Antelope Valley of the western Mojave Desert. The nearest municipality to the project is the City of Palmdale, which is located approximately 4 miles to the northeast. Land uses in the immediate vicinity of the project include undeveloped and rural lands, multiple high-voltage transmission lines and an electrical substation, paved and rural roads, SR-14, and railroad lines. The majority of the project is currently undeveloped with a small portion of the area under control being rural residential. The project site ranges in elevation from approximately 3,000 feet to 3,200 feet above mean sea level (amsl) and is generally hilly in nature, with greater elevations along the eastern portion of the project site. The region surrounding the project receives approximately 8.7 inches of precipitation annually. Average temperatures range from approximately 38°F to 97°F (WRCC 2025). Additionally, several seasonal drainages are located within and adjacent to project, with the Santa Clara River located directly to the north.

The project site sits within an ecotone characterized by a blend of desert scrub and mixed chaparral native plant communities. Common plant species within desert scrub environments include creosote (*Larrea tridentata*), white bursage (*Ambrosia dumosa*), juniper (*Juniperus* spp.), and golden cholla (*Cylindropuntia echinocarpa*), while species typical of mixed chaparral include chamise (*Adenostoma fasciculatum*), manzanita (*Arctostaphylos* spp.), coyote brush (*Baccharis pilularis*), California buckwheat (*Eriogonum fasciculatum*), scrub oak (*Quercus berberidifolia*) and yucca (*Yucca* spp. or *Hesperoyucca* sp.). Additionally, a wide array of fauna is known to exist within the foothills of the western Mojave Desert. Medium-sized mammals such as coyote (*Canis latrans*) and fox (*Urocyon cinereoargenteus*) are common. Smaller animals include blacktailed jackrabbit (*Lepus californicus*), cottontail rabbit (*Sylvilagus audubonii*), ground squirrel (*Spermophilus* sp.), and kangaroo rat (*Dipodomys* sp.), as there are many birds and migratory waterfowl present at lower elevations across cross the Antelope Valley (Earle et al. 1997; Pritchard-Parker et al. 1999; Rhode and Lancaster 1996).

3.3.1.1 Prehistoric Setting

Earle et al. (1997) and Loechl et al. (2002) have divided the prehistoric cultural chronology for the Mojave Desert into seven (7) cultural/temporal periods: Fluted Point Period, Lake Mojave Period, Pinto Period, Gypsum Period, Saratoga Springs Period, Post-Saratoga Springs/Late Period, and Contact/Ethnographic Period; the last includes the Euro-American historic record as well. Following Loechl et al. (2002) and Horne and McDougall (2005), Giambastiani et al. (2008) synthesized these periods with inferred paleoclimatic events over the past 12,000 years in the Mojave Desert. However, their scenario conflicts with the “standard” culture synthesis currently in use within the region, and there are minor aspects of that scheme that appear somewhat outdated in light of recent data from Edwards Airforce Base (Basgall and Overly 2004; Giambastiani and Basgall 2000; Rhode and Lancaster 1996), Fort Irwin (Basgall and Hall 1994a; Byrd et al. 1994), and Twentynine Palms (Basgall and Giambastiani 2000; Basgall et al. 2002; Basgall and Jurich 2006; Hall 2000).

While it is likely that long-term trends in prehistoric subsistence/settlement adaptations, and the timing of major changes in them, were largely similar across the Mojave Desert region, the many attempts to summarize them during the last 30 years of archaeological research have often produced differing results. In particular, the character of Late Pleistocene/early Holocene adaptations is still unclear and strongly debated, due in part to the persistence of long-standing notions of Paleoindian lifeways but due also to the continued scarcity of archaeological data from ancient sites in good, dateable contexts. The following summary of early prehistoric culture history, therefore, contains some assertions that are largely inferred and many that are highly debatable. Other important, more detailed syntheses can be found elsewhere (Basgall 1993, 2000; Giambastiani and Basgall 2000; Grayson 1993; Warren 1984; Warren and Crabtree 1986), and the interested reader is referred to those sources to become more familiar with the number of different and often better substantiated opinions about the nature of ancient human adaptations in the Mojave Desert.

3.3.1.1.1 Fluted Point Period (12,000–10,000 BP)

Typically, sites of this age have been identified based on the presence of fluted-base projectile points similar to the well-known Clovis forms typically associated with ancient cultures of the Great Plains. Termed “Western Clovis” (Tuohy 1974; Willig and Aikens 1988), “Black Rock Concave Base” (Clewlow 1968) or “Great Basin Concave-Base” (Pendleton 1979), many types of Clovis-like points have been found in various locations throughout the western Great Basin and in California. Lithic assemblages containing fluted points often contain crescents, gravers, scrapers, choppers, and “perforators” (Davis 1978). Fluted point sites occur in a variety of environments, indicating that inhabitants were likely generalized foragers rather than specialized big game hunters (Earle et al. 1997; Moratto 1984).

3.3.1.1.2 Lake Mojave Period (10,000–7000 BP)

In the western Great Basin, various stemmed projectile point forms have been fairly well dated to the early Holocene, roughly between 10,000 and 7500 BP. Generally subsumed under the broader appellation “Great Basin Stemmed,” these artifacts are elongate, lanceolate forms often with subtle, sloping shoulders, although many different regional styles exist. In the western Mojave Desert, typical stemmed points are Lake Mojave (unshouldered) and Silver Lake (slightly shouldered) forms, both of which are parts of lithic assemblages similar to those of the Fluted Point period.

Because of their tendency to occur along the shorelines of extinct lakes, stemmed point assemblages were once considered to represent a unique, lacustrine-based subsistence adaptation. The term “Western Pluvial Lakes Tradition” (WPLT), originally coined by Bedwell (1973), was applied to stemmed point sites found in ancient lakeshore contexts across the Great Basin. Lithic assemblages of the WPLT were found to be fairly comparable to Clovis materials, and in many cases points of both kinds occur together in the same sites (cf., Basgall and Hall 1991; Davis and Panlaqui 1978; Willig 1988, 1990). Flaked stone “crescents” (Amsden 1937; Tadlock 1966; Wardle 1913) were found primarily in such lakeshore assemblages, leading many archaeologists to draw associations between crescents and lacustrine environments. Support for the WPLT has faded in recent years; however, as more and more stemmed point sites have been discovered in locations away from extinct bodies of water, and the landform bias in early survey programs becomes increasingly clear. Bias in the differential preservation of ancient land surfaces along fossil washes and in the center of dry lake basins has also been recognized (Basgall and Hall 1991; Waters 1988, 1991).

3.3.1.1.3 Pinto Period (7000–4000 BP)

Archaeological assemblages dating to this period are typified by Pinto points, which are projectiles bearing weak shoulders and indented or split-stem bases. Associated flaked stone assemblages include leaf-shaped bifaces, formal unifaces, flake tools, and consistent quantities of core-cobble implements (Basgall 1993, 2000; Campbell and Campbell 1935; Hunt 1960; Rogers 1939). Lithic selection evidently favored fine-grained igneous stones, such as basalt and rhyolite, for points and bifaces (Glennan 1970, 1971; Norwood 1987). Milling stones are a major part of Pinto period assemblages, reflecting the importance of seed processing. The timing of the Pinto period coincides with Antevs' (1953) "Altithermal," an extended interval when climate was supposedly very hot and dry. Archaeologists once believed a scarcity of Pinto sites in the Mojave Desert signaled a near-total abandonment of the region due to the oppressive climate, but recent studies suggest that the middle Holocene in the Antelope Valley was punctuated by wetter episodes (Grayson 1993; Mehringer 1986) and that the effects of the Altithermal were variable in different parts of the desert. The Pinto Period is synonymous with the "Archaic" period throughout North America. During this time, Pinto Period artifacts tend to occur in aggregates at fewer locations having the appearance of being sedentary encampments. However, the relatively limited diversity of artifacts at these sites indicates they were serially occupied, perhaps during a particular season by the same families, leading to stockpiles of ground and battered stones. This seems to fit with the occurrence of Pinto Period projectile points at small, task specific sites indicating a greater reliance on logistical forays around a more stable encampment.

3.3.1.1.4 Gypsum Period (4000–1500 BP)

Diagnostic artifacts at Gypsum period sites include Gypsum contracting-stem projectile points, Elko eared and corner-notched points, and Humboldt basal-notched points. Lithic assemblages are typified by bifaces, scrapers, and a variety of other flake-based tools, but also contain mortars and pestles as evidence of expanded plant processing (including mesquite, pine nuts, yucca, and agave). Large villages or village complexes appear during Gypsum times, reflecting a transition from seasonal transhumance to year-round sedentary occupation within the Antelope Valley (Sutton 1988, 1996). The presence of marine shell artifacts at Gypsum period sites indicates economic ties between the Antelope Valley and the California coast (Warren 1984). Gardner (2007) analyzed data from a slew of sites in the western Mojave to assess the socioeconomic impact of the Medieval Climatic Anomaly and in so doing, suggested a revision in the terminus of the Gypsum period to about 2000 BP. Gardner (2007:241) based this revision on the early appearance of the bow and arrow within the Rose Spring Complex in conjunction with an increase in effective moisture at 2000 BP.

3.3.1.1.5 Saratoga Springs Period (1500–800 BP)

By at least 1500 BP (or 2000 BP using Gardner's [2007] chronological scheme), the aboriginal people of the Mojave Desert had replaced the atl atl (or spear-thrower) with the bow and arrow (Yohe 1992, 1998). This change brought about a shift toward the use of smaller projectile points, including various corner-notched and side-notched Saratoga Springs types and the corner-notched Rose Spring and Eastgate types. Anasazi ceramics also appear in the southern Mojave around 1200–1100 BP, coinciding with the westward spread of the Virgin Anasazi into southern Nevada. Influence from the cultures of the Colorado River eventually grew stronger than those from the east, allowing for an influx of buffware ceramics and other goods that persisted until the historic present. The intensification of plant use initiated during the Gypsum period continued in the Saratoga Springs period, as diet breadth was expanded to include a wide range of plant foods that required high cost/high return procurement and processing strategies. This is indicated by a general increase in milling equipment from Gypsum times through the Saratoga Springs period (see Gardner 2007:225–228).

3.3.1.1.6 Post-Saratoga Springs or Late Period (800–300 BP)

In the Antelope Valley, social and economic adaptations during this final prehistoric interval were largely an extension of patterns that developed during the Saratoga Springs period. Trade along the Mojave River continued to provide the people of eastern Antelope Valley with a variety of exotic goods and materials, although it appears that relationships with groups in coastal California eventually grew stronger than those with groups inhabiting the arid interior. Projectile points also shifted in form, with unnotched Cottonwood triangular and Desert side-notched points being even smaller than their predecessors. Mortars and pestles also appear in significant quantities, probably an indication of increased emphasis on high-cost/high-yield processing.

3.3.1.2 Ethnographic Setting

This last interval is defined as the period of contact between native desert people and Euro-American explorers and settlers. Kroeber (1925) argued that as many as six (6) different native groups were living in the western Mojave at the time of Euro-American contact, including the Chemehuevi, Serrano, Kawaiisu, Kitanemuk, Alliklik (Tataviam), and Vanyume, although it is likely that only the latter four (4) groups used lands within Antelope Valley on a regular basis. Blackburn and Bean (1978) later reinterpreted the political geography in the western Mojave Desert, dividing western Antelope Valley between the Tataviam (to the south) and the Kitanemuk (to the north). Sutton (1980:220) followed Blackburn and Bean, claimed that the late prehistoric population in the majority of Antelope Valley was "ancestral to the ethnographic Kitanemuk." He later hypothesized that the floor of the valley might have been abandoned a few decades prior to Spanish contact in 1772 (Sutton 1988; Warren 1984). Earle et al. (1997:8), however, feels this idea is probably "overdrawn," citing the diaries of Pedro Fages (1775) and Father Garcés (1776, as cited in Earle et al. 1997) that remarked on seeing and visiting native villages in what is now western Antelope Valley. The site of Apavuchiveat, probably located at Buckhorn Springs; it is likely affiliated with the Desert (Vanyume) Serrano. Another site at Willow Springs, west of Rosamond Dry Lake, was identified by contemporary Kitanemuk Serrano as an additional village location (Earle et al. 1997). Although only two ethnolinguistic groups—the Tataviam and the Serrano (Heizer 1966: Map 4)—are ethnographically documented within a 5-mile radius of the Project area, the following sections present ethnographic contexts for all six (6) ethnolinguistic groups historically and culturally associated with the broader western Mojave Desert as outlined by Kroeber (1925).

3.3.1.2.1 Tataviam

The Project is located within the ethnographically known territory occupied by the Tataviam ethnolinguistic group. The Tataviam territories included the upper reaches of the Santa Clara River drainage east of Piru Creek but also encompassed the Sawmill Mountains to the north and the southwestern portion of the Antelope Valley. Relatively little is known about the Tataviam. Most of what is known today about the Tataviam comes from the work of Alfred L. Kroeber and John P. Harrington and data obtained from one consultant named Juan José Fustero (Johnson and Earle 1990).

There are different hypotheses in regard to the affiliation of the Tataviam language. Some scholars hypothesize that the Tataviam may have spoken a language that was uncommonly used in Southern California or that they may have spoken a Takic language like their southern neighbors (King and Blackburn 1978). As with most languages, the Takic dialects may have been more noticeable at the geographic extremes even though the language was likely a continuum of slight sound and synonym shifts from one community to the next. One scholar has suggested that the northern edge of Western Tongva lands were home to the Tataviam Takic speakers, a related but separate language from Northern Takic (Mithun 1999:539).

King and Blackburn (1978:536) have identified several significant Tataviam settlements based on information provided by Harrington, including the important village of *tsawayung* located near Castaic Junction at the site of Rancho San Francisquito (Newhall Ranch). Others include *tikatsing*, located on upper Castaic Creek, and *pi'ing*, located where Castaic Creek meets Elizabeth Lake Canyon. Another significant village, *Tochonaga*, was recorded on an 1843 land grant map. This site appears to be located to the southeast of Newhall. Other villages and seasonal camp sites identified by Harrington include *akure'eng*, which was located at the original Newhall townsite; *apatsitsing*, located on upper Castaic Creek; and *naqava'atang*, located east of Townsend Peak. Piru Creek also contained several village and rancheria sites, located on the northern edge of Tataviam territory (Johnson and Earle 1990).

It is suggested that Tataviam villages varied in size from large centers containing close to 200 people, intermediate villages containing 20 to 60 people, and small settlements containing 10 to 15 people. Permanent family dwellings were known as *Ki'j* and consisted of 12-to-20-foot-diameter, dome-shaped structures fashioned from willow branches. The outside was typically covered in bulrush or cattails, and a hole was left in the top of the roof to allow for a fire inside the *Ki'j* (King and Blackburn 1978).

Tataviam subsistence consisted largely of hunting and gathering. Vegetable foods include yucca, acorns, sage seeds, juniper berries, and berries of islay. Animal foods include small mammals, deer, and perhaps antelope. There is also evidence of marine shellfish and fish at various Tataviam sites. It is thought that the Tataviam probably relied more heavily on the buds of the yucca as a major staple than did neighboring groups (King and Blackburn 1978).

Pedro Fage's account of the 1769 Portola expedition indicates that the first Chumash settlement encountered upon leaving Tataviam territory was located west of the mouth of Piru Creek. The village of *kamulus* (Camulos), located east of Piru Canyon, bears a Chumash name, and it is thought that this village consisted of a mixed Chumash-Tataviam population (Johnson and Earle 1990).

3.3.1.2.2 Serrano

The Project is also located adjacent to the ethnographically known territory occupied by the Serrano ethnolinguistic group. The Serrano language is part of the Serrano division of a branch of the Takic family of the Uto-Aztecan linguistic stock (Mithun 1999). The Serrano language was originally spoken by a relatively small group located within the San Bernardino and Sierra Madre Mountains, and the term *Serrano* has come to be ethnically defined as the name of the people in the San Bernardino Mountains (Kroeber 1925). The traditional territory for the Serrano centered in the San Bernardino Mountains and extended northeast into parts of the Mojave River area and southeast to the Tejon Creek area (Bean and Smith 1978). Their territory extended west along the northern slopes of the San Gabriel Mountains, east as far as Twentynine Palms, north along the Mojave River, and south to the Yucaipa Valley. The Vanyume, who lived along the Mojave River and associated Mojave Desert areas and are also referred to as the Desert Serrano, spoke either a dialect of Serrano or a closely related language (Mithun 1999).

The Serrano were mainly hunters and gatherers who occasionally fished. A variety of materials were used for hunting, gathering, and processing food, as well as for shelter, clothing, and luxury items. Shells, wood, bone, stone, plant materials, and animal skins and feathers were used for making baskets, pottery, blankets, mats, nets, bags and pouches, cordage, awls, bows, arrows, drills, stone pipes, musical instruments, and clothing (Bean and Smith 1978). Game that was hunted included mountain sheep, deer, antelope, rabbits, small rodents, and various birds, particularly quail. Vegetable staples consisted of acorns, piñon nuts, bulbs and tubers, shoots and roots, berries, mesquite, barrel cacti, and Joshua tree (Bean and Smith 1978).

Settlement locations were determined by water availability, and most Serranos lived in small villages near water sources. Houses and ramadas were round and constructed of poles covered with bark and tule mats (Kroeber 1925). Most Serrano villages also had a ceremonial house used as a religious center. Other structures within the village might include granaries and sweathouses (Bean and Smith 1978). The Serrano were loosely organized along patrilineal lines and associated themselves with either the Tukum (wildcat) or the Wahilyam (coyote) moiety. Individual bands of Serrano constituted political groups (Kroeber 1925). Partly due to their mountainous inland territory, contact between Serrano and Euro-Americans was minimal prior to the early 1800s. In 1819, an asistencia (mission outpost) was established near present-day Redlands and was used to help relocate many Serrano to Mission San Gabriel. However, small groups of Serrano remained in the area northeast of the San Gorgonio Pass and were able to preserve some of their native culture. Today, most Serrano live either on the Morongo or San Manuel reservations (Bean and Smith 1978).

3.3.1.2.3 Vanyume

The Vanyume were a northern division of the Serrano Indians that generally inhabited the Mojave River corridor and the broader Barstow region (Bean and Smith 1978). Perhaps the most significant difference between the Vanyume and Serrano is that the Vanyume enjoyed good trade relations with the Mojave and Chemehuevi—both enemies of the southerly Serrano (Bean and Smith 1978). These trade relations contributed to easier access to foods and other goods not available on the central Mojave Desert floor, such as acorns. Bean and Smith (1978) and Kroeber (1925) note that the Vanyume sometimes visited the southerly foothills in the San Gabriel Mountains to trade for acorns. Father Francisco Hermenegildo Garcés noted that he had been given acorn meal at a Vanyume village southwest of what is currently Barstow. This account seems to confirm the notion that the Vanyume were distinct from the Serrano based on trade relations and geography.

Most information on the Serrano relates to the more southern areas near Twentynine Palms and Victorville (see Bean and Smith 1978; Strong 1929), with less information available about the Vanyume. However, it is generally inferred that subsistence among the Vanyume was based on a typical Mojave Desert adaptation, similar to other groups, such as the Chemehuevi. Staple foods included mesquite, pinyon, acorns, yucca, cactus, small seeds, chia, and ricegrass, with other plants supplementing the diet when available. Small game, including reptiles, rodents, and birds, were the primary game targeted, but larger-bodied antelope and mountain sheep were taken if encountered (Bean and Smith 1978). Subsistence technology was relatively standard and included bows and arrows, throwing sticks, traps and snares, deadfalls, milling stones and hand stones, and mortars and pestles, although the daily economic significance of any one of these is not well understood. Communal hunting (deer and rabbit) and gathering (acorn and mesquite) events were sometimes organized on an annual basis; Bean and Smith (1978) reported that community activities were organized during the annual mourning ceremony (see also Drucker 1937). The Vanyume/Serrano also had a relatively standard material culture consisting of cordage-based containers, mats, baskets, and undecorated brownware pottery (paddle and anvil method), with basketry providing supplemental containers of various kinds, winnowers, and hoppers for portable stone mortars (Drucker 1937).

Vanyume settlement was centered on single families, with dwellings consisting of basic circular wood lattice structures covered with either brush or mats as available (Drucker 1937). Like the Chemehuevi, more substantial dwellings occurred at seasonal villages; including shade structures, sweat houses, and granaries (elevated acorn or seed/nut storage facilities).

3.3.1.2.4 Chemehuevi

The Chemehuevi are the southernmost group of the Southern Paiute, having fissioned in the Las Vegas area around the time of Spanish contact in the late 1700s (Fowler and Fowler 1971). Earle (2005) describes a dispute between Franciscan Missionary Francisco Garcés and Spanish military Captain of Alta California, Fernando de Rivera y Moncada, over official policy regarding interaction (specifically trade and intercourse) with Mojave Desert Indians. Garcés desired to facilitate trade as tool for missionization, and Rivera wanted to inhibit interaction, especially between Indian groups for fear of cross-group mobilization against the Spanish occupation. Garcés understood well aboriginal sociopolitical interaction and was aware of where Indian habitations were on the landscape (Earle 2005). Key here is that Garcés did not record Chemehuevi along the California side of the Colorado River, prompting Earle (2005) (and Kroeber [1925] before him) to speculate that the Chemehuevi began to settle in the region only after their political allies—the Kohuana—were driven eastward by the Mojave and Yuma Indians to the river (see also Fowler and Fowler 1971). Earle (2005) indicates that this settlement shift did not occur until after 1830. After this time, the Chemehuevi spread rapidly toward the western Mojave Desert. Kroeber (1925) supports this assertation, noting that the area near Twentynine Palms was not traditional Chemehuevi territory but was occupied by them only after feuding with the Mojave Indians in the 1860s (see Lechner and Hale 2009).

Chemehuevi subsistence varied across the Mojave Desert. Along the Colorado River, they practiced horticulture and grew corn, sunflower, melons, and legumes, also cultivating various other native plants (Kelly and Fowler 1986). The contribution of cultivated foods to Chemehuevi subsistence and their investment in cultivation is questionable, however (Bean and Smith 1978), and it is more likely that such activities occurred as a buffer against shortfalls or during times of conflict. It is also debatable as to the timespan that the Chemehuevi practiced horticulture—i.e., how far into prehistoric times such activities extended. By all accounts, non-riverine subsistence was similar to other Mojave Desert Indians, such as the Serrano, with typical upland and foothill areas providing pinyon nuts, yucca, agave, berries, ricegrass, and cactus along with several small and medium-bodied animals (reptiles, rodents, and the occasional antelope and bighorn sheep) (Earle 2003). Desert floor foods commonly exploited when available include mesquite, various seeded plants, reptiles, rodents, birds, and other small animals (Bean and Vane 2003). The Chemehuevi were known for their baskets and various other twined tools used for plant gathering and processing (i.e., seed winnowers, parching trays, water jugs and caps, cradles, and the like) (Kelly and Fowler 1986; Kroeber 1925). Hunting among the Chemehuevi was typical of other desert groups, being focused on small game and reptiles, although larger antelope and mountain sheep would be pursued if encountered. Drucker (1937) reports that they used a variety of animal capture methods, such as clubs, traps, nets, snares, sinew-backed bows, and stone tipped arrows. Little is reported about plant processing, but it can be inferred from the intensive exploitation of mesquite, seeds, and other plant matter that milling stones, hand stones, mortars, and pestles were employed when necessary.

3.3.1.2.5 Kawaiisu

The Kawaiisu (also *Niwiwi*), who refer to themselves as *Nuooah*, occupied the Piute Mountains at the southern end of the Sierra Nevada Range and the northern part of the Tehachapi Mountains, as well as portions of the valley floors (Garfinkel and Williams 2011; Zigmond 1986). As with other Native groups, there were desert and mountain populations of Kawaiisu (Garfinkel and Williams 2011; Earle 2004, 2005; Underwood 2006; Zigmond 1986). Modern landscape place names record their presence and influence—the Tehachapi Mountains and Valley likely derive their name from the Kawaiisu term *tihicipi* (hard climb) (Garfinkel and Williams 2011). The Kawaiisu interacted peacefully with neighboring groups whose territory/resources overlapped their own. These included the Kitanemuk and the Panamint Shoshone with whom they intermarried, lived alongside, and shared territory and

spiritual beliefs, practices, and practitioners with (Antelope Valley Indian Museum 2019; Garfinkel and Williams 2011; Stickel et al. 1980).

The Kawaiisu radiated outwards from small, permanent winter villages in search of resources. Freestanding granaries, bedrock milling locations, and proximity to fresh water were consistent features of winter villages. *Tomokahni* (winter home) is a historic Kawaiisu village in the Tehachapi Mountains (California Department of Parks and Recreation 2025). Additional winter villages, such as *Tehecita*, have been identified in Cache Creek Canyon northeast of the modern town of Tehachapi.

During warmer months, the Kawaiisu formed small, mobile foraging groups of related individuals. These groups established temporary camps at high altitude mountain locations and low altitude desert locations in order to procure plant/animal resources. Likely temporary Kawaiisu occupations have been identified in the southern Panamint Valley and southern Death Valley, as well as southeast to Rogers Lake and the Mojave River near present-day Barstow (Earle 2004, 2005, 2010; Underwood 2006; Zigmond 1986).

Like their neighbors, the Kawaiisu were hunters and gatherers reliant on an array of seasonal plant and animal resources. They exploited roughly 112 plant species, including black oak acorns (*Quercus kelloggii*), piñon nuts (both the *Pinus sabiniana* and *monophylla* varieties, depending on elevation), yucca (both Joshua tree *Yucca brevifolia* and Spanish bayonet *Yucca whipplei* varieties), chia (*Salvia* spp.), and bunch grass (*Achnatherum* spp.) (Earle 2010; Zigmond 1986). Male hunting parties organized and sometimes teamed with neighboring Native groups to hunt pronghorn and bighorn sheep as well as deer. Fishing, snaring/hunting quail and chuckwalla, and communal jack rabbit hunts also occurred.

3.3.1.2.6 Kitanemuk

Kitanemuk speakers occupied territory extending from the Tehachapi Mountains to the western Antelope Valley (California Language Archive 2025; Kroeber 1925). They interacted frequently and peacefully with the Kawaiisu and the Serrano, and intermarriage was common (Earle 2010; Earle and Wiewall 2013). The Kitanemuk intermarried, but also fought, with the Yokuts (Earle 2010). They likely had good trade relations with most of their neighbors, including the Chumash and Tübatulabal, and may have been heavily involved with trade in the Antelope Valley.

The Kitanemuk were mountain people, with settlements clustered in the Tehachapi Mountains and San Joaquin Valley foothills (Blackburn and Bean 1978; Kroeber 1925; Sutton 1980). During cooler seasons or at least seasonally, the Kitanemuk likely migrated to the arid valley floors. During the Late Prehistoric Period, Kitanemuk settlements became permanent along the desert floor (Sutton 1980). The Kitanemuk village closest to the APE was *Panūŋavea/Šeševyaq*, located near modern-day Willow Springs. Kitanemuk place names for natural features surrounding the APE, such as Piute Ponds (*Tšəhtšavea*) and Soledad Mountain (*Paʔtqayvea*) persist to the present (Blumel et al. 2013).

Similar to nearby groups, the Kitanemuk were hunters and gatherers who searched outwards from small, permanent winter villages for resources. Their primary vegetable food sources included acorns, juniper berries, seeds, and yucca buds; small game such as rabbits, squirrels, antelope, and deer were also eaten. During the historic period and perhaps before, they likely innovated a paddle and anvil ceramics tradition utilizing dung as a temperature regulator and cow bones (during the historic period only) as temper that survived for at least two centuries until 1900 (Earle and Wiewall 2013).

3.3.1.3 Post-Contact and Historic Period Setting

The County of Los Angeles was established on February 18, 1850, 1 of 27 counties established in the months prior to California acquiring official statehood in the United States 2 years after the Mexican American War. Settlement of the Los Angeles region continued in the early American Period. Many of the ranchos in the area now known as Los Angeles County remained intact after the United States took possession of California; however, a severe drought in the 1860s resulted in many of the ranchos being sold or otherwise acquired by Americans. Most of these ranchos were subdivided into agricultural parcels or towns (Dumke 1944: 3–6). Nonetheless, ranching retained its importance, and by the late 1860s, Los Angeles County was one of the top dairy production centers in the country (Dumke 1944: 14–15). In the 1870s, the county was divided into townships comprised of subdivided ranchos, and by 1876, the county reportedly had a population of 30,000 people (Dumke 1944: 7).

Within Los Angeles County, the unincorporated community of Acton was developed for mining in 1861 following the discovery of copper deposits in Soledad Canyon. In 1868, 7 years later, gold deposits were also discovered, prompting the establishment of three (3) mines for gold, copper, and silver: Red Rover Mine, Escondido Grande Mine, and the New York Mine. Following adoption of the federal Homestead Act of 1862, four (4) families established ranches in Acton, eventually allowing the focus of the economy to shift from mining to agriculture. In 1900, the Acton Oil Boom provided another source of employment and prompted population growth in the community and the establishment of the Actonoma Oil Development Company in 1902 (Pitt 2024; Dumke 1944: 41–43; Sapphos 2024: 4.6–4.10).

The nearby community of Palmdale originated from two (2) small communities: Harold, located at the crossroads of the Southern Pacific Railroad (SPRR) tracks and present-day Barrel Springs Road, and Palmenthal, founded by approximately 50 families of Swiss and German descent who moved to California from Nebraska and Illinois. During this early time, population in the region grew due to several factors, including the gold rush, the possibility for ranching, and the completion of the SPRR line in 1876, which facilitated the transport of agricultural products and metals throughout the United States. Through this early period, however, the communities of both Acton and Palmdale developed slowly (City of Palmdale 2025; Palmdale 2045 2025; COLA 2017).

The completion of the Los Angeles Aqueduct facilitated development of ranching and agriculture in Palmdale. However, the aqueduct ran approximately 18 miles west of Acton, and as a result, development in the community was slower than nearby Palmdale, which had begun to develop civic infrastructure and published its first newspaper, the Palmdale Post, in 1915. In the 1920s, the Acton/Palmdale area saw the development of the present-day Sierra Highway, which linked Palmdale to Los Angeles and allowed for easier transport of agricultural products to market. In 1924, the Little Rock Dam and Harold Reservoir (present-day Lake Palmdale) were constructed to provide water to agriculture and the area's population (City of Palmdale 2025; Palmdale 2045 2025; COLA 2017).

Although the onset of the Great Depression in 1929 detrimentally impacted the county's overall economy, historic newspapers from the 1930s reported on the continued growth of Los Angeles County's horticultural and agricultural development. The 1932 Summer Olympic Games held in Los Angeles helped to boost the economy of the county with the influx of tourism (Pitt 2024). By the mid-1930s, Los Angeles County was one of the top oil producers in California, producing about 20% of the oil in the country. In addition, aviation and aerospace, already important industries in the county, accelerated by the onset of World War II in 1939 at which time Los Angeles County became one of the largest producers of wartime planes in the country (LAEPR 1934: 12; Pitt 2024; ARG 2008: 14–19).

After World War II's conclusion in 1945, a massive wave of migration and building boom occurred throughout California. In Los Angeles County, the rise in wartime employment in aircraft factories and shipyards during World War II, as well as statewide post-war immigration/emigration patterns, increased the county's population from 2,208,492 residents in 1930 to 4,151,687 residents by 1950 (Los Angeles Almanac 2020). Aerospace remained an important industry in the Palmdale area as the opening of aerospace facilities in the region transformed the local economy and became the Palmdale area's primary employer. The aerospace industry brought large numbers of new residents to the area, and corresponding residential development; by 1957, for example, the population of Palmdale was more than 12,000, a 412% increase from 1950 (City of Palmdale 2025; Palmdale 2045 2025; COLA 2017; LAT 1968: 126; Valley Times 1957: 3)

The postwar decades saw much of the county transformed from ranches and farms into residential subdivisions surrounding commercial and industrial centers. The county's agricultural success and Southern California's booming oil and aerospace industries were key factors in the county's growth in the twentieth century (Pitt 2024; Los Angeles Almanac 2020; Survey LA 2016: 2). In response to the rise in population, developers built tract homes, and multi-family residences on former agricultural properties in Los Angeles County throughout the 1940s and 1950s (Pitt 2024). This growth, however, was not universal throughout the county; aerial photographs of Acton and its environs from the 1920s through the 1960s show minimal growth (Survey LA 2021: 91–92; NETR 2024; City of Palmdale 2025; Palmdale 2045 2025; COLA 2017; LAT 1968: 126; Valley Times 1957: 3).

With the advent of the state and federal highway systems during the 1950s and 1960s, automobiles allowed travelers to take themselves to places that were only previously accessible by railroads. The highway system encouraged tourism that propelled the county's economy and spurred growth in the area. The construction of the Antelope Valley freeway, running through Acton to Palmdale, was initiated in 1963 and made these communities more accessible, prompting population growth and corresponding development (Caltrans 2011: 17–18; Survey LA 2021: 153).

The population of Los Angeles County reached 6,038,771 residents by 1960 and grew to 8,863,164 residents by 1990 as the county continued to expand during the last half of the twentieth century and into the twenty-first century (Los Angeles Almanac 2020). The first municipal building in Palmdale, Palmdale City Library, was constructed in 1977. Despite the growth of Palmdale and other parts of Los Angeles County, however, development in Acton remained slow from the 1960s through the 1990s, and the community retains its predominantly rural character (Sapphos 2024: 4.6–4.10; NETR 2024).

3.3.1.3.1 Southern California Edison

The Southern California Edison (SCE) Company is a subsidiary company of Edison International and is the largest electrical supply company in Southern California. Edison International was formed by the merger and acquisition of smaller electrical companies in 1886. At the time, Thomas Edison only allowed electrical utilities to use his patent if his name was used in the title of the company (EI 2023; SCE 2023).

As the population of the city of Los Angeles steadily increased during the late 1890s, the need for power grew. Several businessmen in Los Angeles formed the Westside Lighting Company, later known as the SCE, as a subsidiary of Edison International to address residents' needs. By 1897, Los Angeles adopted an undergrounding ordinance to reduce the overhead clutter of power infrastructure. To create underground lines throughout the city of Los Angeles, Westside Lighting used Thomas Edison's patented three-wire conduit technology. However, because of the use of Edison's patent, the company was required to change its name and chose the Edison Electric Company. By 1907, Edison Electric completed construction of the Kern River Hydro Powerhouse and began producing power

to the Los Angeles Basin with a 75kV transmission line, the highest voltage in the nation at the time and the first line to be built on steel towers. In 1909, Edison Electric merged with several smaller electrical companies throughout the southern California region to form the SCE Company (EI 2023; SCE 2023).

In 1912, the Los Angeles Water Department extended its operations to include hydroelectric generation and local electricity distribution after the Los Angeles City Council voted to begin negotiations to purchase local electrical facilities. Between 1922 and 1937, SCE sold its hydroelectric facilities to the city. However, its loss of business was offset by the suburban growth of Los Angeles County. With more energy generation needed throughout the area, SCE created a transmission line with the capacity to retain 220kV by 1922. In 1926, SCE completed construction of the largest multiple-arch dam in the world at the time, the Florence Lake Dam. By 1929, construction began on the SCE's headquarters in downtown Los Angeles, completed in 1931. In 1939, the SCE received its share of power from the Hoover Dam after completing a 220kV transmission to the dam (EI 2023).

During the outbreak of World War II, SCE engineers helped design the electrical system for a plutonium extraction facility to develop nuclear weapons for the war. By 1946, the country established a standard for electricity that required a currently alternating at 60 cycles per second. To accommodate the new standard, SCE changed its 50-cycle system to a 60-cycle system, requiring a massive rewiring program taking nearly 3 years to complete (EI 2023).

By 1957, SCE completed construction of the 7.5MW nuclear power plant, the Santa Susana Experimental Nuclear Station, in the Santa Susanna Mountains. The company became the first investor in the country to generate electricity commercially from a nuclear reactor. During the 1960s, SCE continued to expand their facilities and in 1964 when they acquired the California Electric Power Company. By 1968, SCE completed construction of the 450MW San Onofre Nuclear Generation Station Unit 1, and between 1967 and 1970, they built the Pacific AC-DC (alternating current-direct current) Intertie, the first major high-voltage DC line in the country capable of transporting 8,000MW of power. In 1972, Units 2 and 3 of the San Onofre Nuclear Generation Stations were completed (EI 2023).

Throughout the 1970s and 1980s, SCE's research, development, and demonstration department researched cutting-edge power development. By 1978, they established the Wind Energy Research Center in Palm Springs, California, and the construction of a 10MW geothermal power plant in Brawley, California. In 1980, the SCE Chief Executive Officer William R. Gould, announced the company's initiative to develop 2,000 MW of alternative and renewable energy. Along with the department of energy and the Los Angeles Department of Water and Power, SCE developed a solar thermal plant in the Mojave Desert during the 1980s that began operating by 1996 (EI 2023).

The California energy crisis of the early 2000s saw the price of independent power rise. As a result, SCE purchased abandoned plants throughout Southern California to relieve power shortages. To alleviate power costs, SCE began construction of the first transmission line to only carry renewable power with the Tehachapi Renewable Transmission line in 2007. Likewise, in 2008, SCE launched their solar photovoltaic rooftop program to promote the addition of solar panels to buildings. Today SCE owns over 104,000 miles of circuits across its service territory (Tinsley-Becker and Chiang 2015: 13; SCE 2023; EI 2023).

3.3.2 Methods and Identification of Cultural Resources

Methods used for the identification of cultural resources consisted of a California Historical Resources Information System (CHRIS) records search of the project site and surrounding 1-mile radius at the South Central Coastal Information Center (SCCIC); archival research; correspondence with the Native American Heritage Commission

(NAHC); informal tribal outreach; and an intensive-level pedestrian survey of the archaeological and built environment study areas. For the purposes of the CHRIS records search, the project site is defined as the BESS Facility Site, the Northern and Southern Gen-Tie Routes, and the SCE Vincent Substation to which the project components will connect.

3.3.2.1 Records Search

A CHRIS records search encompassing the ~~project site~~study areas and a 0.5-mile radius was performed by staff at the SCCIC on January 26 and 27, 2023. An update to this original records search to incorporate changes to the project footprint and to encompass a 1-mile radius was completed by Dudek archaeologist Brenda Rogers at the SCCIC on November 6, 2024. The SCCIC records search identified ~~four~~ three (3~~4~~) previously recorded cultural resources located within both the ~~project site~~archaeological and built environment study areas: P-19-002893 (abandoned Southern Pacific Railway segment), P-19-101014 (can isolate), ~~P-19-186876 (SCE Eagle Rock-Pardee Transmission Line),~~ and P-19-192581 (Antelope-Mesa 220 kV Transmission Line. In addition, ~~and~~two (2) ~~an~~ other ~~additional~~ resources~~—~~, ~~P-19-186876 (SCE Eagle Rock-Pardee Transmission Line) and~~ P-19-187713 (Angeles Forest Highway)~~—were identified~~, ~~located~~ within the built environment study area only (Table 3.3-1). An additional 26 previously recorded cultural resources were identified within a 1-mile radius of the ~~project site~~study areas. These include 13 historic-era refuse scatters, four (4) prehistoric isolates, two (2) lithic and groundstone scatters, two (2) historic-era isolates, one (1) built environment structure, one (1) prehistoric hearth feature, one (1) prehistoric bedrock milling feature, one (1) collapsed wooden structure with an associated refuse scatter, and the Angeles National Forest. P-19-002893, P-19-101014, P-19-192581, ~~and~~ P-19-186876, and P-19-187713 ~~P-19-187713~~ are described in further detail below Table 3.3-1.

Table 3.3-1. Previously Recorded Cultural Resources Within ~~1 Mile of Project Site~~Study Areas

Primary Number	Trinomial	Age	Type	Description	Eligibility for CRHR/NRHP
Intersects ~~Project Site~~Archaeological and Built Environment Study Areas					
P-19-002893	CA-LAN-002893H	Historic	Site	Abandoned segment of the Southern Pacific Railroad	~~Found~~ Recommended ineligible for NRHP through survey evaluation; Not evaluated for CRHR
P-19-101014	—	Historic	Isolate	Can isolate	Categorically Ineligible for CRHR/NRHP
P-19-192581	—	Historic	Engineering structure	Antelope-Mesa Transmission Line	Determined Ineligible for NRHP; Not evaluated for CRHR
Intersects Built Environment Study Area					
P-19-186876~~P-19-187713~~	~~—~~—	Historic ~~Historic~~	Engineering structure~~Engineering Structure~~	SCE Eagle Rock-Pardee Transmission Line ~~Angeles Forest Highway~~	Various eligibility recommendations (2011, 2012, 2003, and 2006)~~Recommended ineligible for CRHR/NRHP through survey evaluation~~

Table 3.3-1. Previously Recorded Cultural Resources Within ~~1 Mile of Project Site~~Study Areas

Primary Number	Trinomial	Age	Type	Description	Eligibility for CRHR/NRHP
P-19-187713	—	Historic	Engineering Structure	Angeles Forest Highway	Recommended ineligible for CRHR/NRHP through survey evaluation

Notes: CRHR = California Register of Historic Resources; NRHP = National Register of Historic Places; SCE = Southern California Edison.

P-19-002893

P-19-002893 is characterized as an abandoned segment of the Southern Pacific Railroad grade through Soledad Canyon. This resource was first recorded in 2000 by SWCA Environmental Consultants and recommended ineligible for listing on the NRHP. At time of recordation, P-19-002893 consisted of imported stone, several railroad ties in secondary context, two (2) water culverts (one dated to 1937) and a cement signal stand. This resource was revisited in 2013 by HDR. HDR was able to revisit all previously identified components, however indicated that the original mapping by SWCA in 2000 appeared to be incorrect (Purcell 2000).

P-19-101014

P-19-101014 is characterized as an isolated can scatter consisting of a three-tab seam, church key opened, steel beer can, a crushed painted label oil can, and additional cans noted upslope adjacent to the SCE Vincent Substation. This resource was first recorded in 2011 by Pacific Legacy Inc. in support of the Tehachapi Renewable Transmission Project (Greenberg and Schrader 2011). Isolates are categorically ineligible for listing on the CRHR and do not meet the criteria to be considered significant or unique archaeological resources under CEQA.

P-19-192581

Big Creek No. 4; Antelope-Mesa 220kV Transmission Line (P-19-192581) is not addressed further in this report because the 2017 California Department of Parks and Recreation 523 (Series 1/95) form (DPR site form) for the transmission line authored by SCE Archaeologist Audry Williams states “the Antelope-Mesa portion of the line was completely removed during the construction of Segment 7 of SCE’s Tehachapi Renewal Transmission Project in 2014” (Williams 2017: 2). A corresponding map shows that the removed line ran through the study area (Williams 2017: 5). Because of this, P-19-192581 is not addressed further in this application section.

P-19-186876

P-19-186876 has been recorded multiple times under several different names, summarized below:

2003 (Schmidt): ***SCE Eagle Rock-Pardee Transmission Line Corridor.*** The DPR stated that the recorded 18.2-mile segment of transmission line is a remnant of the third Big Creek Line that was reconstructed or modified in 1974. The documentation describes the line as having steel lattice transmission towers. This documentation does not include an evaluation for significance.

2006 (ECORP): ***Vincent Lines.*** The DPR identifies an approximately 13-mile segment of the Vincent Line with a date of construction of 1928. The DPR states that the recorded segment has H-Frame Vincent towers. This documentation does not include an evaluation for significance.

2010 (Tinsley-Becker): *SCE Antelope-Magunden No. 1 220kV Transmission Line.* The DPR states that the line was installed between 1949 and 1951 and connected to Big Creek Powerhouse No. 4. It describes the line's towers as utilitarian steel lattice towers and assigns the line a 6Z status code.

2011 (Stanton): *SCE Transmission Line Corridor.* This documentation was completed by archaeologists. It documents four (4) steel lattice transmission towers. It does not include a date of construction or an evaluation for significance.

2011 (Tinsley-Becker): *SCE Big Creek Hydroelectric System Company Vincent 200kV Transmission line.* This documentation is for a system consisting of six (6) lines constructed from 1925 to 1927 (Big Creek No. 3-Springville 200kV; Magunden-Springville No. 1 220kV; Antelope-Magunden No. 2; Antelope-Vincent 200kV; Antelope-Eagle Rock (idle)/Pardee-Vincent; and Eagle Rock-Pardee. A portion of the Eagle Rock-Pardee TL was previously recorded). This documentation found the system eligible under NRHP/CRHR A/1, B/2, and C/3 and assigned a status code of 2D2. It describes three (3) towers within the system: steel H-Frame Vincent Towers, Transposition Vincent Tower, and dead-end/anchor Vincent Tower.

P-19-187713

P-19-187713, the Angeles Forest Highway, is 25 miles long and travels north from the San Gabriel Mountains to where it terminates just south of Palmdale in the Antelope Valley. This resource was first recorded in 2003 by Jay K. Sander of Chambers Group Inc. in support of a highway improvements project for the Angeles National Forest. For most of its length, the Angeles Forest Highway is a two-lane road paved with asphaltic concrete and appears to have undergone repaving and widening in certain areas. Overall, Chambers Group Inc. recommended P-19-187713 ineligible for listing on the NRHP, as the highway does not appear to possess significant historic associations or distinctive characteristics necessary to make it eligible for listing (Sander and Cotterman 2003).

3.3.2.2 Archival Research

Review of Historic Topographic Maps

Table 3.3-2 provides a summary of the historic topographic map review conducted for the BESS facility. This table has been modified from the *Phase I Environmental Site Assessment: Prairie Song Reliability Project* prepared by Dudek in 2024 (Smith and Huang 2024: 19–20).

Table 3.3-2. Summary of Historic Topographic Maps

Date	BESS Facility (APNs 3056-017-007, -020, 021; 3056-019-013, -026, -037, and -040)	Adjoining and Surrounding Properties
1900	The project site is depicted as vacant, undeveloped land. An east–west-trending light-duty road and a wide wash are depicted through the center of the site.	The adjoining and surrounding areas are depicted as vacant, undeveloped land. A northeast–southwest trending railroad is depicted to the north. A few light-duty roads are depicted throughout the adjoining and surrounding area.
1934	The light-duty road and wide wash are no longer depicted on the site. A tank and a well are depicted on the site. Narrow washes are depicted in the southwest and northwest portions of the site.	Two wells and a patrol station are depicted north of the site. East–west trending Highway 6 and Soledad Canyon are depicted north of the project site. Additional roadways and narrow washes are depicted throughout the surrounding area.

Table 3.3-2. Summary of Historic Topographic Maps

Date	BESS Facility (APNs 3056-017-007, -020, 021; 3056-019-013, -026, -037, and -040)	Adjoining and Surrounding Properties
	Unimproved roads are depicted in the northwestern and northeastern portions of the site. A structure is depicted along the eastern border of the site.	
1939	The site is depicted similarly to the 1934 topographic map.	The adjoining and surrounding areas are depicted similarly to the 1934 topographic map.
1940	The tank and the well are no longer depicted on the site. The narrow wash in the southwestern portion is no longer depicted on the site.	The two wells are no longer depicted north of the project site. Additional structures are depicted on the surrounding properties to the north.
1947	The structure along the eastern border is now depicted outside of the site boundary. The remaining site is depicted similarly to the 1940 topographic map.	A structure is depicted on the eastern-adjoining property. The remaining adjoining and surrounding areas are depicted similarly to the 1940 topographic map.
1948	The site is unmapped.	Most of the adjoining and surrounding properties are unmapped.
1959	The site is depicted similarly to the 1947 topographic map.	Kentucky Springs Canyon is depicted on the adjoining and surrounding property to the north. Additional roadways and structures are scattered throughout the surrounding area.
1974, 1978	The site is depicted similarly to the 1959 topographic map.	Highway 6 has been expanded to have several on-/ off-ramps connecting to the highway and is renamed Highway 14. A substation is now depicted northeast of the project site. Two structures are depicted on the southwestern adjoining property. Additional buildings and unimproved roads have appeared in the areas surrounding the project site.
1991, 1994	The site is depicted similarly to the 1974/1978 topographic map.	The adjoining and surrounding areas are depicted similarly to the 1974/1978 topographic map.
1995	A structure is depicted in the western portion of the site. A roadway is depicted along the western border of the site.	Additional structures and roads are depicted in the areas surrounding the project site.
2012	Structures are no longer depicted on the topographic map.	Structures and power transmission lines are no longer depicted on the topographic map.
2015	The site is depicted similarly to the 2012 topographic map.	Changes to road layouts are depicted in areas surrounding the site.
2018	The site is depicted similarly to the 2015 topographic map.	The adjoining and surrounding areas are depicted similarly to the 2015 topographic map.
2022	The site is depicted similarly to the 2018 topographic map.	The adjoining and surrounding areas are depicted similarly to the 2018 topographic map.

Notes: BESS = battery energy storage system; APN = Assessor's Parcel Number.

Review of Aerial Photographs

Table 3.3-3 summarizes the review of the historic aerials photographs that cover the BESS facility (Smith et al. 2024: 17–18).

Table 3.3-3. Summary of Historic Aerial Photographs

Date	BESS Facility (APNs 3056-017-007, -020, 021; 3056-019-013, -026, -037, and -040)	Adjoining and Surrounding Properties
1928	The site appears largely undeveloped. An east–west-trending wide wash is observed in the northwest portion of the site. A narrow wash is observed in the southwestern corner of the site. Two roads are observed on the northern half of site. Vegetation that appears to be bushes and shrubs sparsely covers the entirety of the site.	Undeveloped land is observed on all adjoining and surrounding properties. A road and railroad are observed northwest of the site. A few narrow washes and dirt roads/trails are observed throughout the surrounding area. Vegetation that appears to be bushes and shrubs sparsely covers the adjoining and surrounding properties.
1940	The site appears similar to the 1928 aerial photograph.	The adjoining and surrounding areas appear similar to the 1928 aerial photograph.
1954	The site appears similar to the 1940 aerial photograph.	The adjoining and surrounding areas appear similar to the 1940 aerial photograph.
1968	A cleared area is observed in the western portion of the project site. A north–south-trending road is observed along a portion of the western border.	Rural residential/farming structures are observed on the western- and eastern-adjoining properties. Additional residential/farming structures are observed to the south. Additional roads appear throughout the adjoining and surrounding properties.
1974	The site appears similar to the 1968 aerial photograph.	The adjoining and surrounding areas appear similar to the 1968 aerial photograph.
1976	The site appears similar to the 1974 aerial photograph.	The adjoining and surrounding areas appear similar to the 1974 aerial photograph.
1983	A small, cleared area is observed along the eastern border of the site, associated with the eastern-adjoining structure. The site appears similar to the 1976 aerial photograph.	Additional residential/farming structures are observed adjoining the subject property to the northeast and west and also on the surrounding property to the south.
1989	A residential area is observed in the western portion of the site. A graded area associated with structures on the eastern adjoining property is observed along the eastern border.	The northeastern- and western-adjoining areas are further developed with additional structures and grading. The remaining adjoining and surrounding areas appear similar to the 1983 aerial photograph.
1994	A few additional roads are observed throughout the site.	Additional structures are observed on the western adjoining property. The remaining adjoining and surrounding areas appear similar to the 1989 aerial photograph.
2002	Additional structures are observed in the western portion of the site.	Additional development is observed on the eastern and western-adjoining properties. The remaining adjoining and surrounding areas appear similar to the 1994 aerial photograph.
2005	The site appears similar to the 2002 aerial photograph.	The adjoining and surrounding areas appear similar to the 2002 aerial photograph.
2009	Additional structures are observed in the western portion of the site. The remaining site appears similar to the 2005 aerial photograph.	The adjoining and surrounding areas appear similar to the 2005 aerial photograph.

Table 3.3-3. Summary of Historic Aerial Photographs

Date	BESS Facility (APNs 3056-017-007, -020, 021; 3056-019-013, -026, -037, and -040)	Adjoining and Surrounding Properties
2012	The site appears similar to the 2009 aerial photograph.	The adjoining and surrounding areas appear similar to the 2009 aerial photograph.
2016	The site appears similar to the 2012 aerial photograph.	The adjacent and surrounding areas appear similar to the 2012 aerial photograph.
2020	The site appears similar to the 2016 aerial photograph.	The adjacent and surrounding areas appear similar to the 2016 aerial photograph.
2023	The site appears similar to the 2020 aerial photograph.	The adjacent and surrounding areas appear similar to the 2020 aerial photograph

Notes: BESS = battery energy storage system; APN = Assessor's Parcel Number.

Review of Geomorphological Context

According to the U.S. Department of Agriculture Natural Resources Conservation Services, several soil types are mapped within the project site. Official USDA soil descriptions for the soil types identified within the project site are provided below (USDA 2025).

- Hanford coarse sandy loam, 2% to 9% slopes, is present within 27% of the project site. Hanford coarse sandy loams generally occur in settings with alluvial fans deriving from granite and are found in areas with elevations ranging from 2,390 feet to 4,200 feet amsl.
- Terrace escarpments are present within 24% of the project site and are characterized by their high percent of slope, which in general are not suitable for sustaining buried archaeological deposits.
- Hanford coarse sandy loam, 0% to 2% slopes, is present within 17% of the project site. Hanford coarse sandy loams generally occur in settings with alluvial fans deriving from granite and are found in areas with elevations ranging from 2,390 feet to 4,200 feet amsl.
- Greenfield sandy loam, 2% to 9% slopes, is present within 14% of the project site. Greenfield sandy loams generally occur in settings with alluvial fans and terraces deriving from granite and are found in areas with elevations ranging from 2,600 feet to 4,200 feet amsl.
- Hanford sandy loam, 2% to 9% slopes, is present within 17% of the project site. Hanford sandy loams generally occur in settings with alluvial fans deriving from granite and are found in areas with elevations ranging from 2,600 feet to 4,200 feet amsl.

The USDA's soil types mapped within the project site demonstrate that alluvial soils are present, which do have the potential to support the presence of buried archaeological resources. These soils are associated with the period of prehistoric human use, as well as represent ongoing processes of development that have potential to preserve cultural material in context, depending on area-specific topographical setting.

Additional Building Development and Historical Research

Background and property specific research was conducted at various state and local repositories. These resources included:

- California Office of Historic Preservation's (OHP) Built Environment Resource Directory (BERD) – The BERD is maintained by OHP and is an inventory of built environment cultural resources that are processed through

OHP's office. Two resources were listed on the BERD. The Antelope-Mesa Transmission Line (P-19-192581) was listed with a status code of 6Y, meaning it was determined ineligible for the NRHP through Section 106 consensus. This line is no longer extant in the built environment study area. In addition, P-19-186876 (Map ID 4) is included in the BERD as Eagle Rock-Pardee Transmission Line with a status code of 2S (Individually determined eligible for NRHP by the Keeper) and a date of construction of 1925-1927.

- Calisphere – Calisphere provides access to 2,000 collections contributed by more than 300 cultural heritage organizations in California, including universities, libraries, archives, museums, and historical societies. A search of Calisphere identified a historic photograph of the SCE Vincent Substation and multiple photographs of the construction of the Lugo-Vincent No. 1 and No. 2 transmission lines.
- Online Archive of California (OAC) – The OAC provides free public access to detailed descriptions of primary resource collections maintained by more than 300 contributing institutions including libraries, special collections, archives, historical societies, and museums throughout California and collections maintained by the 10 University of California campuses. No information was found during a search of the OAC.
- County of Los Angeles Acton Historic Resource Survey – A historic resource survey for the community of Acton was conducted in 2024. The survey consisted of the preparation of a historic context statement, supported by a communitywide survey. None of the properties inventoried and evaluated for the project were identified in the survey.
- County of Los Angeles Register of Landmarks and Historic Districts (County Register) – The County Register the County of Los Angeles' County's official list designated landmarks and historic districts in the unincorporated areas of the county. None of the properties recorded as part of this project are included on the County Register.
- Historic Aerials and Maps – Aerial photographs and maps were consulted to document the development of the project site.
- Historic Newspapers – Online historic newspaper databases were consulted to document the development of the area and provide additional property-specific information.
- ParcelQuest – This online assessor data was reviewed to provide property specific information for the properties in the project site.

3.3.2.3 NAHC and Tribal Correspondence

Dudek requested a NAHC search of the Sacred Lands File (SLF) for the project site and a 0.5-mile radius on January 13, 2023, and for the project site and a 1-mile radius on December 30, 2024. The NAHC replied via email on January 27, 2023, and January 16, 2025, respectively, stating that the SLF search was completed with negative results. Along with the results of the SLF search, the NAHC provided a list of Native American tribes and individuals/organizations with traditional geographic associations that might have knowledge of cultural resources in the area. Informal tribal outreach letters were mailed on January 15 and 20, 2025, to all California Native American Tribal representatives included on the NAHC contact lists. These letters attempted to solicit additional information relating to Native American cultural resources that may be impacted by the project. Native American Tribal representatives were requested to define a general area where known resources intersect the project site. To date, Dudek has received three (3) responses to this information request. These responses are paraphrased below:

- Raylene Borrego of the Yuhaaviatam of San Manuel Nation (formerly San Manuel Band of Mission Indians) responded on January 21, 2025. Ms. Borrego's response indicated that the project site is considered highly

culturally sensitive to the Yuhaaviatam of San Manuel Nation (Yuhaaviatam), and that the Yuhaaviatam wish to engage with the CEC in Government-to-Government consultation pursuant to Assembly Bill (AB) 52.

- Jill McCormick of the Quechan Tribe of the Fort Yuma Reservation responded on January 28, 2025. Ms. McCormick indicated that the Quechan Tribe of the Fort Yuma Reservation does not wish to comment on the project.
- Eunice Ambriz of the Yuhaaviatam responded on January 29, 2025. In her email, Ms. Ambriz requested Dudek provide a project map set in aerial view. Dudek responded to Ms. Ambriz on February 10, 2025, with the requested map set.

Dudek conducted a virtual follow-up meeting with the Yuhaaviatam for purposes of informal information gathering and tribal outreach efforts. The meeting took place on February 13, 2025. In attendance was Kristin Tuotso (Yuhaaviatam Tribal Archaeologist), Eunice Ambriz (Yuhaaviatam Cultural Resources Technician) and Roshanne Bakhtiary (Dudek Archaeologist). During the meeting, Dudek provided a review of the project site and the project design and discussed Dudek's inventory efforts to date, including the results of the SCCIC records search and NAHC SLF search. After a review of all available project documents, both Ms. Tuotso and Ms. Ambriz expressed interest in the project requiring mitigation measures for the inadvertent discovery of Native American cultural resources and human remains. The Yuhaaviatam also indicated that they intend to proceed with Government-to-Government AB 52 consultation with the CEC for the project. No additional information was provided during this meeting to support the presence of specific, geographically defined tribal cultural resources that could be affected by project-related construction or operation.

This correspondence was conducted for informational purposes only and does not constitute formal Government-to-Government consultation. In compliance with AB 52, the CEC, as lead agency, is responsible for conducting Government-to-Government consultation with tribal entities.

3.3.2.4 Archaeological Field Survey and Results

Dudek archaeologists Jessica Colston, Phillip Sharp-Garcia, Shane McDonnell, Brenda Rogers, and Roshanne Bakhtiary conducted intensive-level archaeological resources pedestrian surveys of the archaeological study area in February 2023, November 2024, and February 2025. Each pedestrian survey employed standard archaeological procedures and techniques consistent with the Secretary of the Interior's Standards and Guidelines for archaeology. When possible, 15-meter interval survey transects were conducted, oriented in north–south cardinal directions. Where visible, the ground surface was examined for prehistoric artifacts (e.g., flaked stone tools, tool-making debris, stone milling tools, ceramics, fire-affected rock), soil discoloration that might indicate the presence of a cultural midden, soil depressions, features indicative of the current or former presence of structures or buildings (e.g., standing exterior walls, post holes, foundations), and historic artifacts (e.g., metal, glass, ceramics, building materials). Ground disturbances such as rodent/reptile burrows, cut banks, and drainages were also visually inspected for exposed subsurface materials. Evidence for buried archaeological deposits was opportunistically sought through inspection of natural or artificial erosion/excavation exposures and the spoils from rodent burrows. Areas of the project that contained a greater than 30% slope were not surveyed due to safety concerns and their general lack of suitability for containing archaeological resources. A Global Navigation Satellite System (GNSS) receiver with sub-meter accuracy along with an 11th Generation Apple iPad equipped with georeferenced PDF maps of the archaeological study area were used to verify the accuracy of the survey coverage and facilitate in-field recording.

A minimum density of three (3) or more artifacts in a 25-meter (82-foot) squared area constitute an archaeological site, as with the presence of any feature (i.e., concrete foundation). Any separation of 50 meters (164 feet) squared or more between artifacts was considered justification for delineation of a site boundary. A temporary site number was assigned to all newly identified archaeological resources that met the definition of an archaeological site. Isolated finds consisting of fewer than three (3) artifacts within a 25-meter squared area were recorded separately from sites, including the use of a different numbering scheme. Any previously recorded archaeological sites located within the archaeological study area were field checked and documented as appropriate. Additionally, a metal detector was used to perform cardinally oriented transects radiating out from the central portion of each site to determine the potential for buried deposits. Location-specific photographs were taken using an 11th Generation Apple iPad equipped with 8 mega-pixel (MP) resolution. All field notes, photographs, and records related to the current study are on file at Dudek's Mission Viejo, California office. All resources were recorded in their entirety on DPR site forms, using the Instructions for Recording Historical Resources (OHP 1995).

Ground surface visibility throughout the archaeological study area ranged from poor to excellent. Poor ground surface visibility (0% to 25%) was observed throughout approximately 30% of the archaeological study area due to dense vegetation, and in some instances, the presence of road base. Fair (25% to 50%) to good (50% to 75%) ground surface visibility was observed within seasonal drainages, on terraces, and adjacent to the SCE Vincent Substation and accounted for approximately 50% of the archaeological study area. Excellent (75% to 100%) ground surface visibility was observed within unpaved access roads, transmission tower corridors, and alluvial washes and accounted for the remainder of the archaeological study area (20%). Vegetation throughout the archaeological study area consisted of various species of invasive grasses, creosote (*Larrea tridentata*), juniper (*Juniperus* spp.), golden cholla (*Cylindropuntia echinocarpa*), chamise (*Adenostoma fasciculatum*), manzanita (*Arctostaphylos* spp.), coyote brush (*Baccharis pilularis*), scrub oak (*Quercus berberidifolia*), sage (*Saliva* spp.) and yucca (*Yucca* spp. or *Hesperoyucca* sp.). Throughout the archaeological study area there was evidence of modern dumping, vehicle overland travel, and other disturbances associated with the construction and operation of the SCE Vincent Substation and various residential properties. During these intensive-level pedestrian survey efforts, crews re-visited two (2) previously recorded archaeological resources and recorded an additional 10 newly identified archaeological resources within the archaeological study area. Overall, 11 archaeological resources were identified that required formal evaluation for listing on the CRHR and for significance under CEQA and local regulations. DPR site forms were prepared for all resources and will be submitted to the SCCIC of the CHRIS at California State University, Fullerton. Results of these identification and evaluation efforts are summarized in Table 3.3-4.

Table 3.3-4. Results of Archaeological Significance Evaluations

Resource ID	Resource Description	Level of Effort for Evaluation	CRHR Eligibility Recommendation
Previously Recorded			
P-19-002893	Abandoned segment of the Southern Pacific Railroad	Outside archaeological study area	N/A
P-19-101014	Historic-era refuse scatter	Surface recordation	Not Eligible
Newly Recorded			
ABS-PK-S-01	Historic-era refuse scatter	Surface recordation	Not Eligible
ABS-PK-S-02	Historic-era refuse scatter	Surface recordation	Not Eligible
ABS-PK-S-03	Historic-era refuse scatter	Surface recordation	Not Eligible
ABS-JC-S-01	Historic-era refuse scatter	Surface recordation	Not Eligible
ABS-JC-S-02	Historic-era refuse scatter	Surface recordation	Not Eligible

Table 3.3-4. Results of Archaeological Significance Evaluations

Resource ID	Resource Description	Level of Effort for Evaluation	CRHR Eligibility Recommendation
ABS-JC-S-03	Historic-era refuse scatter	Surface recordation	Not Eligible
ABS-JC-S-04	Shallow depression containing historic refuse	Surface recordation	Not Eligible
ABS-JC-S-05	Historic-era refuse scatter	Surface recordation	Not Eligible
ABS-BR-S-01	Historic-era refuse scatter	Surface recordation	Not Eligible
ABS-RB-S-01	Historic-era refuse scatter	Surface recordation	Not Eligible

Notes: CRHR = California Register of Historic Resources; N/A = Not Applicable.

3.3.2.5 Built Environment Field Survey and Results

Dudek architectural historians Katie Ahmanson, MHC, and Clairre Cancilla, MSHP, who meet the Secretary of the Interior's Professional Qualifications Standards in architectural history, conducted an intensive level survey of the built environment study area on December 4 and 5, 2024, and on January 22, 2025. The survey entailed documenting the exteriors of each property within the built environment study area that were 45 years of age or older with notes and photographs from the public right-of-way, specifically noting character-defining features, spatial relationships, and observed alterations, and examining any historic landscape features on the properties. Overall, 38 properties over 45 years of age at the time of survey were recorded and evaluated for historical significance. Results of these identification and evaluation efforts are summarized in Table 3.3-5.

Table 3.3-5. Results of Built Environment Significance Evaluations

Map ID	Property Name	Address/APN	Year Built	CRHR Eligibility Recommendation
Previously Recorded				
4	Eagle Rock-Pardee & Antelope-Vincent No.1 Transmission Corridor (P-19-186876)	N/A	1925–1928	Not Eligible (portion within the built environment study area)
9	Angeles Forest Highway (P-19-187713)	N/A	1941	Not Eligible
Newly Recorded				
1	Vincent Substation	33301 Angeles Forest Highway (APN 3056-015-800)	1967	Not Eligible
2	Midway-Vincent No. 1 and No. 2	N/A	1968	Eligible
3	Lugo-Vincent No. 1 and No. 2	N/A	1969	Eligible
5	N/A	815 Kentucky Springs Road (APN 3056-015-008)	1979	Not Eligible
6	N/A	401 Rockyford Road (APN 3056-014-042)	1959	Not Eligible
7	N/A	790 Carson Mesa Road (APN 3056-014-036)	c. 1958	Not Eligible
8	N/A	33830 Angeles Forest (APN 3056-004-034)	1979	Not Eligible

Table 3.3-5. Results of Built Environment Significance Evaluations

Map ID	Property Name	Address/APN	Year Built	CRHR Eligibility Recommendation
10	N/A	33456 Angeles Forest (APN 3056-012-024)	1978	Not Eligible
11	N/A	624 East Soledad Pass (APN 3056-012-053)	1929	Not Eligible
12	N/A	33440 Angeles Forest Highway (APN 3056-012-008)	c. 1954	Not Eligible
13	N/A	33120 Hillside Drive (APN 3056-012-004)	1947	Not Eligible
14	N/A	33438 Angeles Forest Highway (APN 3056-012-023)	c. 1934	Not Eligible
15	N/A	33110 Hillside Drive (APN 3056-012-057)	1950	Not Eligible
16	N/A	33446 Angeles Forest Highway (APN 3056-012-006)	1940	Not Eligible
17	N/A	900 Searchlight Ranch Road (APN 3056-018-073)	c. 1954	Not Eligible
18	N/A	32410 El Sastre (APN 3056-026-036)	1979	Not Eligible
19	N/A	1110 Searchlight Ranch Road (APN 3056-026-018)	1967	Not Eligible
20	N/A	1124 Bulla Vista Road (APN 3056-027-067)	1969	Not Eligible
21	N/A	1125 Bulla Vista Road (APN 3056-027-037)	c. 1974	Not Eligible
22	N/A	32662 Calle Del Roja (APN 3056-027-035)	c. 1966	Not Eligible
23	N/A	Southern Pacific Railroad	1873 to 1876	Not Eligible
24	N/A	1547 Soledad Canyon Road (APN 3056-022-035)	1978	Not Eligible
25	N/A	33008 Joshua Avenue (APN 3056-022-032)	1978	Not Eligible
26	N/A	33017 Malinta Avenue (APN 3056-022-038)	1979	Not Eligible
27	N/A	1533 Sierra Highway (APN 3057-015-900)	1974	Not Eligible
28	N/A	1685 Sierra Highway (APN 3057-015-041)	c. 1956	Not Eligible
29	N/A	1687 Sierra Highway (APN 3057-015-042)	c. 1951	Not Eligible
30	N/A	33410 San Gabriel (APN 3057-015-043)	1980	Not Eligible
31	N/A	33511 San Gabriel Avenue (APN 3057-015-013)	1976	Not Eligible
32	N/A	33530 Arksey Avenue (APN 3057-024-001)	1976	Not Eligible
33	N/A	33525 Arksey Avenue (APN 3057-015-023)	1976	Not Eligible
34	N/A	33614 Arksey Avenue (APN 3057-016-010)	c. 1974	Not Eligible
35	N/A	33640 Arksey Avenue (APN 3057-016-009)	c. 1950	Not Eligible
36	N/A	658 Foreston Drive (APN 3056-006-017)	c. 1978	Not Eligible
37	N/A	557 Foreston Drive (APN 3056-005-049)	1978	Not Eligible
38	N/A	541 Foreston Drive (APN 3056-005-050)	1978	Not Eligible

Notes: APN = Assessor's Parcel Number; CRHR = California Register of Historic Resources; N/A = Not Applicable; c. = circa.

3.3.3 Impact Analysis

The following subsections discuss the potential direct and indirect impacts related to cultural resources from construction and operation and maintenance (O&M) of the project.

3.3.3.1 Methodology

CEQA and the CEQA Guidelines define a substantial adverse change in the significance of a historical resource as a significant effect on the environment. A substantial adverse change to archaeological, tribal cultural, or historical resources is defined to include physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of the historical resource would be materially impaired (CEQA Guidelines Section 15064.5[b][1]). The significance of a historical resource is materially impaired when a project diminishes the characteristics that convey its historical significance and that justify its inclusion on a historic register. Proposed project activities were evaluated for their potential to result in a substantial adverse change to a significant cultural resource. See "Methods and Identification of Cultural Resources" in Section 3.3.2, above, for a discussion of how potential cultural resources were identified.

3.3.3.2 Impact Evaluation Criteria

The significance criteria used to evaluate the project impacts to cultural resources are based on Appendix G of the CEQA Guidelines. According to Appendix G of the CEQA Guidelines, a significant impact related to cultural resources could occur if the project would:

- Cause a substantial adverse change in the significance of a historical resource pursuant to §15063.4.
- Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15063.4 or disturb any human remains, including those interred outside of dedicated cemeteries.
- Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:
  - A. Listed or eligible for listing in the California Register of Historical Resources (CRHR), or in a local register of historical resources as defined in PRC section 5020.1(k), or
  - B. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of PRC Section 5024.1. In applying the criteria set forth in subdivision (c) of PRC Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

CEQA defines a "unique archaeological resource" as an archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets one or more of the following criteria:

- Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information; or

- Has a special and particular quality such as being the oldest of its type or the best available example of its type; or
- Is directly associated with a scientifically recognized important prehistoric or historic event or person (PRC §21083.3(g)).

CEQA Guidelines Section 15064.5 defines a historical resource as:

- A resource listed in, or determined to be eligible for listing in, the CRHR;
- A resource listed in a local register of historical resources.
- Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California…Generally, a resource shall be considered by the lead agency to be "historically significant." Generally, a resource is considered historically significant if it meets criteria for listing in the CRHR, including:
  1. Is associated with events that made a significant contribution to the broad patterns of California's history and cultural heritage.
  2. Is associated with the lives of people important in our past.
  3. Embodies the distinctive characteristics of a type, period, region, or method of construction, represents the work of an important creative individual, or possesses high artistic values.
  4. Has yielded or may be likely to yield information important in prehistory or history; or A resource determined to be a historical resource by a project's lead agency.

CEQA Guidelines Section 15064.5 defines a "historical resource." If a cultural resource in question is an archaeological resource, CEQA Guidelines Section 15064.5[c][1]) requires that the lead agency first determine if the resource is a historical resource as defined in Section 15064.5(a). If the resource qualifies as a historical resource, potential adverse impacts must be considered in the same manner as a historical resource. If the archaeological resource does not qualify as a historical resource but does qualify as a "unique archaeological resource," then the archaeological resource is treated in accordance with Public Resources Code Section 21083.3 (see also CEQA Guidelines Section 15069.5[c][3]).

CEQA Guidelines Section 15064.5(b) defines a "substantial adverse change" to a historical resource as: "physical demolition, destruction, relocation or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired. The significance of an historical resource is materially impaired when a project demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for inclusion in, the CRHR or in registers meeting the definitions in Public Resources Code 5020.1(k) or 5024.1(g).

3.3.3.3 CEQA Appendix G Assessment Criteria

3.3.3.3.1 Would the Project cause a substantial adverse change in the significance of a historical resource pursuant to §15063.4?

No Impact. The SCE Eagle-Rock Pardee & Antelope-Vincent No. 1 200kV Transmission Line Corridor (P-19-186876) was previously recorded and the corridor was found eligible for the National Register of Historic Places (NRHP) in 2012 as part of the SCE Big Creek Hydroelectric System Company Vincent 200kV Transmission Line. The portion of the resource within the built environment study area was upgraded to 500kV and towers have been replaced as part of SCE's Tehachapi Renewable Transmission Project, which was completed in 2016. This resulted in a loss of integrity and the portion of the resource in the built environment study area no longer contributes to the NRHP eligible resource. Therefore, the portion in the built environment study area is not considered a historical resource and the project would result in **No Impact** to this resource.

The Midway-Vincent No. 1 and No 2. 500kV Transmission Lines, constructed in 1968, were found eligible for the NRHP, CRHR, and the County Register under Criteria A/1/1 and C/3/3. Under Criterion A/1/1 Midway-Vincent No. 1 and No. 2 were SCE's first 500kV lines are associated with the Pacific Northwest-Pacific Southwest Intertie, a significant project in the power industry using the first high-voltage lines of 500kV constructed in the United States. This collaborative effort between Bonneville Power Administration (BPA), Portland General Electric, Pacific Gas and Electric (PG&E), SCE and other entities supplied power to California's rapidly growing southern region, whose population boomed in the decades following World War II and Midway-Vincent No. 1 and No. 2 represents an important interconnection within the overall Intertie. As an early SCE 500kV line associated with a major power project constructed within the period of significance. Under Criteria C/3/3 Midway-Vincent No. 1 and No. 2 were early SCE extra-high voltage 500kV transmission lines and represent a major technological and engineering innovation as part of the Pacific Northwest-Pacific Southwest Intertie. According to the SCE's Historic-Era Electrical Infrastructure Management Program, "the development of transmitting electricity is historically significant in the engineering achievements of transmitting energy at high voltages over long distance and the structures that were designed to support these lines" (Tinsley-Becker et al. 2017: 86–87). The resource retains integrity of location, design, materials, feeling and association. Integrity of workmanship is not an important aspect of this property type because it does not reflect the crafts of a particular culture or people. The Midway-Vincent No. 1 and No 2. 500kV Transmission Lines are considered historical resources.

The project would not result in a substantial adverse change to this resource because the project does not propose changes to any components that would alter the function, alignment, or transmission towers. Its integrity would be retained and it would continue to convey its significance under Criteria A/1/1 and C/3/3. Therefore, there would be **No Impact** to this resource.

The SCE 500kV Vincent-Lugo No. 1 and No. 2 Transmission Lines, constructed in 1969, are associated with the Pacific Northwest-Pacific Southwest Intertie, a significant project in the power industry using the first high-voltage lines of 500kV constructed in the United States. This collaborative effort between BPA, Portland General Electric, PG&E, SCE and other entities supplied power to California's rapidly growing southern region, whose population boomed in the decades following World War II and Midway-Vincent No. 1 and No. 2 represent an important interconnection within the overall Intertie. As an early SCE 500kV line associated with a major power project constructed within the period of significance, Midway-Vincent No. 1 and No. 2 meet NRHP Criterion A, CRHR Criterion 1 and County Register Criterion 1 because they have a direct association with this significant project. The lines also represent a major technological and engineering innovation as part of the Pacific Northwest-Pacific

Southwest Intertie. According to the SCE's *Historic-Era Electrical Infrastructure Management Program*, "the development of transmitting electricity is historically significant in the engineering achievements of transmitting energy at high voltages over long distance and the structures that were designed to support these lines" (Tinsley-Becker and Chiang 2015: 86–87). Constructed within the period of significance for SCE extra-high voltage transmission lines, they are eligible under NRHP Criterion C, CRHR Criterion 3, and County Register Criterion 3. The resource retains integrity of location, design, materials, feeling and association. Integrity of workmanship is not an important aspect of for this property type because it does not reflect the crafts of a particular culture or people. The Midway-Vincent No. 1 and No 2. 500kV Transmission Lines are considered historical resources.

The project would not result in a substantial adverse change to this resource because the project does not propose changes to any components that would alter the function, alignment, or transmission towers. Its integrity would be retained and it would continue to convey its significance under Criteria A/1/1 and C/3/3. Therefore, there would be **No Impact** to this resource.

3.3.3.3.2 Would the project cause a substantial adverse change in the significance of an archaeological resource to §15063.4 or disturb human remains, including those interred outside of dedicated cemeteries?

Less with Significant with Mitigation. The project will not have any direct or indirect impacts on known significant archaeological resources. The SCCIC records search identified two (2) previously recorded archaeological resources that intersect with the project site (P-19-002893: Abandoned Southern Pacific Railway segment; and P-19-101014: Can isolate), and an additional 25 archaeological resources within the 1-mile search radius. A NAHC SLF search was also conducted for the project in 2023 and 2025, and results were negative for Native American cultural resources within 1 mile of the project site. Additionally, a review of historic topographic maps and aerial photographs indicate the project site has remained largely undeveloped throughout the twentieth and twenty-first centuries and the USDA's soil types mapped within the archaeological study area demonstrate that alluvial soils are present, which have the potential to support the presence of buried archaeological resources.

Several Dudek archaeologists conducted intensive-level archaeological resources pedestrian surveys of the archaeological study area in 2023, 2024, and 2025. During these survey efforts, crews revisited one previously recorded archaeological resource (P-19-101014) and recorded an additional 10 newly identified archaeological resources. P-19-002893 was identified as being outside of the archaeological study area and thus was not subject to evaluation efforts.

P-19-101014, ABS-PK-S-01, ABS-PK-S-02, ABS-PK-S-03, ABS-JC-S-01, ABS-JC-S-02, ABS-JC-S-03, ABS-JC-S-04, ABS-JC-S-05, ABS-BR-S-01, and ABS-RB-S-01 were evaluated as part of the current study. Dudek recommends that all 11 archaeological resources are not eligible for listing on the CRHR and do not meet the criteria to be considered significant or unique archaeological resources under CEQA.

Though the project will not have any direct or indirect impacts on known significant archaeological resources, there is potential for the project to impact previously unanticipated archaeological resources during initial project-related ground disturbance. MM-CUL-1 (Worker Environmental Awareness Program) requires the implementation of a Worker Environmental Awareness Program for construction crews prior to initiation of ground-disturbing activities for the project. MM-CUL-2 (Cultural Resources Management and Inadvertent Discovery Program) requires the preparation of a Cultural Resources Management and Inadvertent Discovery Plan, archaeological monitoring during initial ground-disturbing activities in native soils, and sets forth requirements for the treatment of inadvertently

discovered archaeological resources until a qualified archaeologist can assess and evaluate the discovery pursuant to CEQA. Implementation of MM-CUL 1 and MM-CUL-2 will ensure that potential impacts to unknown archaeological resources are less than significant (See Section 3.3.5, Mitigation Measures, for the full text of these mitigation measures). The impact will be **less than significant with mitigation**.

No prehistoric or historic-era burials, including those interred outside of formal cemeteries, were identified within the project site as a result of the SCCIC records search, NAHC SLF search, archival research, and pedestrian survey. Overall, the likelihood of disturbing human remains is low. However, the possibility of encountering human remains within the project site exists.

The discovery of human remains would require handling in accordance with PRC 5097.98, which states that in the event that human remains are discovered during construction, construction activity shall be halted, and the area shall be protected until consultation and treatment can occur as prescribed by law. Therefore, adherence to state law and with the implementation of MM-CUL-3 (Treatment of Human Remains) will ensure that potential impacts would be less than significant (See Section 3.3.5, Mitigation Measures, for the full text of this mitigation measure). The impact will be **less than significant with mitigation**.

3.3.3.3.3 Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in PRC section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

A. *Listed or* eligible for listing in the CRHR, or in a local register of historical resources as defined in PRC section 5020.1(k) or

B. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of PRC Section *5024.1. In applying the criteria set forth in subdivision (c) of PRC Section 5024.1,* the *lead agency shall consider the significance of the resource to a California Native American tribe?*

Less than Significant with Mitigation. The SCCIC records search results did not identify any previously recorded cultural resources of Native American origin within the project site, although eight were identified within the 1-mile search radius. A NAHC SLF search was also requested, and results were negative for Native American cultural resources within 1 mile of the project site. Additionally, an intensive-level archaeological resources pedestrian survey failed to identify any Native American cultural resources within the archaeological study area in 2023, 2024, and 2025.

In response to informal outreach efforts, the Yuhaaviatam (formerly San Manuel Band of Mission Indians) reached out via email indicating that the project site is considered highly culturally sensitive to the Yuhaaviatam and requested additional project information. A virtual meeting with the Yuhaaviatam was conducted on February 13, 2025. The purpose of this meeting was for informal information gathering and tribal outreach efforts. During the meeting, Dudek provided a review of the project site and the project design and discussed Dudek's inventory efforts to date, including the results of the SCCIC records search and NAHC SLF search. After a review of all available project documents, the Yuhaaviatam expressed interest in the project requiring mitigation measures for the inadvertent discovery of Native American cultural resources and human remains. The Yuhaaviatam also indicated that they intend to proceed with Government-to-Government AB 52 consultation with the CEC for the

project. No additional information was provided during this meeting to support the presence of specific, geographically defined tribal cultural resources that could be affected by project-related construction or operation.

Overall, no previously recorded cultural resources of Native American origin listed on the CRHR or local register were identified within the archaeological study area as a result of the SCCIC records search or pedestrian survey. Additionally, no known tribal cultural resources have been identified through informal information gathering efforts conducted in support of the project. While the Applicant acknowledges that the landscape surrounding the project was traditionally used by indigenous peoples, no substantial evidence has been presented demonstrating that the project has the potential for affecting tribal cultural resources, as defined by California Public Resources Code, Section 21074(a).

Potential impacts (direct and indirect) to tribal cultural resources, as defined by CEQA, should be determined by the CEC based on Government-to-Government consultation or through other tribal engagement efforts. Though based on present information, the proposed project will not present impacts to known resources of Native American value or association, including potential tribal cultural resources.

However, given that there is evidence to indicate that cultural resources of Native American origin are located within 1 mile of the project site, and in consideration of the Yuhaaviatam indicating that the project site is considered culturally sensitive. Implementation of MM-CUL-1 through MM-CUL-3 would ensure that potential impacts to unknown tribal cultural resources are less than significant (See Section 3.3.5, Mitigation Measures, for the full text of these mitigation measures). The impact will be **less than significant with mitigation**.

3.3.4 Cumulative Effects

CEQA requires cumulative effects to be considered for projects that are proposed or pending, recently approved, under construction, or reasonably foreseeable. Cumulative effects on cultural resources evaluate whether impacts of the proposed project and related cumulative projects, when considered together, substantially diminish the number of cultural resources within the same or similar context or property type. As discussed in Section 3.0 Environmental Analysis, of this Application, there are 37 pending or approved related cumulative projects that have the potential to contribute to cumulative impacts to cultural resources.

Historical Resources – Cumulative

Less than Significant. Impacts to historical resources, if any, tend to be site specific. However, cumulative impacts could occur if the project and related projects cumulatively affect historical resources in the immediate vicinity, contribute to changes within the same historic district, or involve resources that are examples of the same property type as those on the project site. The project would not result in any cumulative impacts to historical resources because the project proposes no changes to any components that would alter the function, alignment, or transmission towers. The remaining built environment resources are not considered historical resources under CEQA. The project site is not located within the boundaries of a historic district. Therefore, there would be no potential to contribute cumulative impacts to a historic district. Additionally, cumulative impacts to historical resources must consider whether a project substantially diminishes the number or significance of historical resources of the same property type, even if they are not otherwise on the related projects list. Historical resources that are potentially affected by related projects would also be subject to the same requirements of CEQA as the project and any impacts would be mitigated, as applicable. These determinations would be made on a case-by-case basis, and the effects of cumulative development on cultural and tribal cultural resources would be mitigated to the extent feasible in accordance with CEQA and other applicable legal requirements. Therefore, the project's

contribution towards cumulative impacts would not be cumulatively considerable. Impacts would be **less than significant**.

Archaeological Resources – Cumulative

Less than Significant. As discussed above, there are no known significant archaeological resources pursuant to CEQA Guidelines Section 15064.5 present within the archaeological study area. Because all archaeological resources are unique and nonrenewable resources, projects that demolish or alter certain archaeological resources have the potential to erode a general cultural landscape to which the archaeological resources belong. Therefore, implementation of the proposed project could result in a cumulatively significant effect on archaeological resources when combined with other cumulative development in the area due to the loss of identified or unknown archaeological resources through the physical demolition, destruction, relocation, or alteration of a resource or its immediate surroundings such that the significance of a resource would be materially impaired. However, development under the proposed project is required to implement MM-CUL-1 and MM-CUL-2, which would reduce project-related impacts to a less than significant level within the project site. Because there are no known significant archaeological resources within the project site, the mitigation is for inadvertent discoveries. The project-specific mitigation combined with the mandatory evaluation of potential impacts to other nearby cumulative projects would ensure that there would be no cumulatively considerable impacts on significant archaeological resources. Impacts would be **less than significant**.

As discussed above, there are no known human remains, including those interred outside of dedicated cemeteries, present within the archaeological study area. Because human remains are unique and nonrenewable resources, projects that demolish, destroy, alter or move human remains have the potential to erode a general cultural landscape to which the human remains belong. Therefore, cumulative development within the area would have the potential to result in a cumulative impact associated with the loss of yet unidentified human remains through the physical demolition, destruction, relocation, or alteration of a remains or their immediate surroundings. However, human remains are generally site-specific, and the proposed project's potential impacts to human remains would be reduced to less than significant with implementation of project-specific MM-CUL-3. All cumulative projects would similarly be required to comply with State Health and Safety Code Section 7050.5, PRC Sections 5097.94 and 5097.98, and all other applicable laws. Based on the degree of protection afforded by MM-CUL-3 for potential project-specific impacts to human remains, the proposed project would not contribute to cumulatively considerable impacts related to disturb any human remains, including those interred outside of dedicated cemeteries. Impacts would be **less than significant**.

Tribal Cultural Resources – Cumulative

Less than Significant. Potential impacts (direct and indirect) to tribal cultural resources, as defined by CEQA, should be determined by the CEC based on Government-to-Government consultation or through other tribal engagement efforts. Though based on present information, the proposed project will not present impacts to known resources of Native American value or association, including potential tribal cultural resources. Because all tribal cultural resources are unique and nonrenewable resources, projects that demolish or alter certain tribal cultural resources have the potential to erode a general cultural landscape to which the tribal cultural resources belong. Therefore, implementation of the proposed project could result in a cumulatively significant effect on tribal cultural resources when combined with other cumulative development in the area due to the loss of identified or unknown tribal cultural resources through the physical demolition, destruction, relocation, or alteration of a resource or its immediate surroundings such that the significance of a resource would be materially impaired. However, development under the proposed project is required to implement MM-CUL-1, MM-CUL-2, and MM-CUL-3, which

would reduce project-related impacts to less than significant within the project site. Because there are no known tribal cultural resources within project site, the mitigation is for inadvertent discoveries. The project-specific mitigation combined with the mandatory evaluation of potential impacts to other nearby cumulative projects would ensure that there would be no cumulatively considerable impacts to significant tribal cultural resources. Therefore, cumulative impacts would be **less than significant**.

3.3.5 Mitigation Measures

Compliance with Mitigation Measures **MM-CUL-1**, **MM-CUL-2, and MM-CUL-3** outlined below, would reduce potential impacts to previously unanticipated cultural resources and human remains during project implementation. To the extent feasible, these measures are also inclusive of tribal cultural resources considerations.

MM-CUL-1 Worker's Environmental Awareness Program. Prior to the initiation of ground-disturbing work, construction crews shall be made aware of the potential to encounter cultural resources and the requirement for cultural monitors to be present during these activities. This may occur as part of a Worker Environmental Awareness Program (WEAP). Topics addressed should include definitions and characteristics of cultural resources and Tribal Cultural Resources (TCRs), regulatory requirements and penalties for intentionally disturbing cultural resources, and protocols to be taken in the event of an inadvertent discovery.

MM-CUL-2 Cultural Resources Management and Inadvertent Discovery Program. It is recommended that a Cultural Resources Management and Inadvertent Discovery Plan (CRMIDP) be prepared and subject to lead agency review prior to initiation of construction. This should detail, at a minimum, requirements for archaeological and Native American monitoring (as applicable); roles and responsibilities; inadvertent discovery, management, and communication protocols; and daily and post-construction reporting. The CRMIDP should be prepared by a qualified archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards for archaeology, and implemented upon approval by the CEC. Archaeological monitors shall be present part-time (and as defined by the CRMIDP) during initial ground-disturbing activities to monitor rough and finish grading, excavation, and other ground-disturbing activities in the native soils. Archaeological monitoring may be adjusted (increase, decreased, or discontinued) at the recommendation of the qualified archaeologist and based on inspection of exposed cultural material and the observed potential for soils to contain intact cultural deposits or otherwise significant archaeological material. The requirement to include a Native American monitor should be determined by the CEC through consultation and review of the present report findings. If it is determined that Native American monitoring is required during ground-disturbing activities, an archaeological monitor shall also be present to support and coordinate with Native American efforts.

If cultural materials are discovered during initial disturbances associated with site preparation, grading, or excavation, the construction contractor shall divert all earthmoving activity within and around the immediate discovery area until a qualified archaeologist can assess the nature and significance of the find. The area of avoidance shall be assumed to be a minimum of 50 feet around the find, however, may be adjusted to support construction needs by the qualified archaeologist in coordination with the construction team so long as protection of the discovery can be ensured. If determined necessary by the qualified archaeologist for the protection of this area, it shall be delineated by a temporary physical exclusionary boundary using staking and survey tape or other

similar materials. The CRMIDP shall address protocols for TCRs, integrating management strategies informed through the process of Government-to-Government consultation. In the event that a potential inadvertent cultural resources discovery may meet the definition of a TCR, the lead agency or identified representative should management strategies stipulated by approved mitigation and outlined in the CRMIDP. Non-cultural project personnel shall not handle, collect or move any archaeological materials or human remains and associated materials. To the extent feasible, project activities shall avoid these deposits. Where avoidance is not feasible, the archaeological deposits shall be evaluated for their eligibility for listing on the California Register of Historical Resources (CRHR). If the deposits are not eligible, regulations provide that avoidance is not necessary. If the deposits are eligible, adverse effects to the identified resource must be avoided, or such effects must be mitigated. Mitigation strategies are dependent on the nature of the resource, and can include, but are not necessarily limited to: preservation in place, excavation of the deposit in accordance with a data recovery plan (see California Code of Regulations [CCR] Title 4(3) Section 5126.4(b)(3)(C)) and standard archaeological field methods and procedures; laboratory and technical analyses of recovered archaeological materials; production of a report detailing the methods, findings, and significance of the archaeological site and associated materials; curation of archaeological materials at an appropriate facility for future research and/or display; an interpretive display of recovered archaeological materials at a local school, museum, or library; and public lectures at local schools and/or historical societies on the findings and significance of the site and recovered archaeological materials. The CEC, or designee, shall be responsible for reviewing management plans and any reports produced by the archaeologist to determine the appropriateness and adequacy of the findings and recommendations.

Daily monitoring logs should be completed by onsite archaeological monitors (and Native American monitors, if present). Within 90 days following completion of construction, the qualified archaeologist should provide an archaeological monitoring report to the lead agency for review. The intent of this report should be to document compliance with approved mitigation. This report should include the results of the cultural resources monitoring program (even if negative), including a summary of any findings or evaluation/data recovery efforts, and supporting documentation that demonstrates all mitigation measures defined in the environmental document were appropriately met. Appendices should include monitoring logs and documentation relating to any newly identified or updated cultural resources.

MM-CUL-3 Human Remains. In accordance with Section 7050.5 of the California Health and Safety Code and the requirements of the California Code of Regulations (CCR) Section 15064.5(e), if human remains are encountered during site disturbance, grading, or other construction activities on the project site, the construction contractor shall halt work within 50 feet of the discovery; all work within 50 feet of the discovery shall be redirected and the Los Angeles County Medical Examiner (County Coroner) notified immediately. This exclusionary buffer may be adjusted based on project needs, while also ensuring the protection of this area and regulatory compliance, at the recommendation of a qualified archaeologist. If determined necessary by the qualified archaeologist for the protection of this area, it shall be delineated by a temporary physical exclusionary boundary using staking and survey tape or other similar materials. No further disturbance shall occur in areas likely to contain human remains until the County Coroner has made a determination with regard to if the find is human in origin pursuant to Public Resources Code Section 5097.98. If the remains are determined to be Native American, the County Coroner

shall notify the Native American Heritage Commission (NAHC), which will determine and notify the Most Likely Descendant (MLD). With the permission of the CEC and land owner, the MLD may inspect the site of the discovery. The MLD shall make recommendations or preferences for treatment within 48 hours of being granted access to the site. Public Resources Code Section 5097.98 includes reasonable options for treatment that may be requested by the MLD. Consistent with CCR Section 15064.5(d), if the remains are determined to be Native American and an MLD is notified, the CEC, in coordination with the landowner, shall consult with the MLD identified by the NAHC to develop an agreement for the treatment and disposition of the remains.

Upon completion of the assessment, the consulting archaeologist shall prepare a report documenting the methods and results and provide recommendations regarding the treatment of the human remains and any associated cultural materials, as appropriate, and in coordination with the recommendations of the MLD. The report shall be submitted to the CEC, or designee, and the South Central Coastal Information Center. The CEC, or designee, shall be responsible for reviewing any reports produced by the archaeologist to determine the appropriateness and adequacy of the findings and recommendations. See Table 8 for a list of the Project's agency contacts for Cultural Resources.

3.3.6 Laws, Ordinances, Regulations, and Standards

The following, outlined in Table 3.3-6, provides a summary of the applicable laws, ordinances, regulations, and standards (LORS) relating to the proper management of cultural resources.

Table 3.3-6. LORS Applicable to Cultural Resources

Jurisdiction	LORS	Applicability	Project Conformity	Opt-In Application Reference
State	California Register of Historical Resources	Program used by state and local agencies to identify, evaluate, register, and protect California's historical resources.	**Yes**. The project complies with the CRHR because properties in the project study area were evaluated using the evaluation criteria of the CRHR to determine if the properties meet the criteria and retain integrity to convey their significance.	Section 3.3.3.3.1 Section 3.3.6.2
State	California Environmental Quality Act	Requires state and local government agencies to inform decisionmakers and the public about the potential environmental effects of a project and to prevent significant, avoidable environmental impacts to extents feasible.	**Yes**. Certification of the project by the CEC will be required to comply with CEQA as required by the CEC's Opt-In Application process.	Throughout this Opt-In Application

Table 3.3-6. LORS Applicable to Cultural Resources

Jurisdiction	LORS	Applicability	Project Conformity	Opt-In Application Reference
State	Assembly Bill 52	Requires lead agencies to consult with Tribal Governments to address Tribal Cultural Resources that may be impacted by a Project.	**Yes**. The CEC will complete Government-to-Government consultation pursuant to AB 52 as part of the Opt-In Application process.	Section 3.3.6.2
State	California Health and Safety Code Section 7050.5	Work shall be halted in the event of human remains discovery.	**Yes.** Mitigation Measure CUL-3 requires compliance with the California Health and Safety Code Section 7050.5.	Section 3.3.3.3.2 Section 3.3.5 Section 3.3.6.2
State	Public Resources Code Section 5097.98	Most Likely Descendant designation following the discovery of human remains determined by the County Coroner to be Native American in origin.	**Yes**. Mitigation Measure CUL-3 requires compliance with Public Resources Code Section 5097.98.	Section 3.3.3.3.2 Section 3.3.5 Section 3.3.6.2
Local	Los Angeles County General Plan	Protects historic, cultural, and paleontological resources in unincorporated areas of Los Angeles County.	**Yes**. The project would conform with the Los Angeles County General Plan goal and policies.	Section 3.3.6.3
Local	Los Angeles County Historic Preservation Ordinance	Establishes criteria and procedures for the nomination, designation, and review of work on historic landmarks and property located within historic districts in unincorporated areas of Los Angeles County.	**Yes**. The current study identified two cultural resources that meet the Los Angeles County Historic Preservation Ordinance criteria. The project will not cause an impact to these resources because there will be no alteration to the character-defining features of the resources and they will continue to retain integrity and convey their significance.	Section 3.3.3.3.1 Section 3.3.6.3

Notes: LORS = laws, ordinances, regulations, and standards; CRHR = California Register of Historic Resources; CEC = California Energy Commission; CEQA = California Environmental Quality Act.

3.3.6.1 Federal LORS

No federal nexus has been identified that would require the proposed project to comply with federal LORS related to cultural resources.

3.3.6.2 State LORS

California Register of Historical Resources

In California, the term "historical resource" includes, but is not limited to, "any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (PRC Section 5020.1[j]). In 1992, the California legislature established the California Register of Historical Resources (CRHR) "to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change" (PRC Section 5024.1[a]). The criteria for listing resources in the CRHR were expressly developed to be in accordance with previously established criteria developed for listing in the National Register of Historic Place (NRHP), enumerated as follows: According to California Public Resources Code (PRC) Section 5024.1(c)(1–4), a resource is considered historically significant if it (i) retains "substantial integrity" and (ii) meets at least one of the following criteria:

1. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
2. Is associated with the lives of persons important in our past.
3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
4. Has yielded, or may be likely to yield, information important in prehistory or history.

To understand the historic importance of a resource, sufficient time must have passed to obtain a scholarly perspective on the events or individuals associated with the resource. A resource less than 50 years old may be considered for listing in the CRHR if it can be demonstrated that sufficient time has passed to understand its historical importance (14 CCR 4852[d][2]).

The CRHR protects cultural resources by requiring evaluations of the significance of prehistoric and historic resources. The criteria for the CRHR are nearly identical to those for the NRHP, and properties listed or formally designated as eligible for listing in the NRHP are automatically listed in the CRHR, as are state landmarks and points of interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys.

The project complies with the CRHR because properties in the project study area were evaluated using the evaluation criteria of the CRHR to determine if the properties meet the criteria and retain integrity to convey their significance.

California Environmental Quality Act

The following CEQA statutes (PRC Section 21000 et seq.) and CEQA Guidelines (14 CCR 15000 et seq.) are of relevance to the analysis of archaeological, historic, and Tribal Cultural Resources (TCRs):

- PRC Section 21083.3(g) defines "unique archaeological resource."
- PRC Section 21084.1 and CEQA Guidelines Section 15064.5(a) defines "historical resources." In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource"; it also defines the circumstances when a project would materially impair the significance of a historical resource.
- PRC Section 21074(a) defines "Tribal Cultural Resources."
- PRC Section 5097.98 and CEQA Guidelines Section 15064.5(e) set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated cemetery.
- PRC Sections 21083.3(b) and 21083.3(c) and CEQA Guidelines Section 15126.4 provide information regarding the mitigation framework for archaeological and historic resources, including examples of preservation-in-place mitigation measures. Preservation in place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context and may help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

More specifically, under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (PRC Section 21084.1; 14-CCR 15064.5[b]).

A "substantial adverse change in the significance of an historical resource," reflecting a significant effect under CEQA, means "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (14- CCR 15064.5[b][1]; PRC Section 5020.1[q]). In turn, the significance of a historical resource is materially impaired when a project does any of the following (14 CCR 15064.5[b][2]):

1. Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register [CRHR]; or
2. Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to Section 5020.1(k) of the PRC or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the PRC, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
3. Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA.

Pursuant to these sections, the CEQA inquiry begins with evaluating whether a project site contains any historical resources, then evaluates whether that project will cause a substantial adverse change in the significance of a historical resource such that the resource's historical significance would be materially impaired.

If it can be demonstrated that a project will cause damage to a unique archaeological resource, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. To the extent that they cannot be left undisturbed, mitigation measures are required (PRC Sections 21083.3[a]–[c]).

PRC Section 21083.3(g) defines a *unique archaeological resource* as an archaeological artifact, object, or site about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria (PRC Section 21083.3[g]):

1. Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.
2. Has a special and particular quality such as being the oldest of its type or the best available example of its type.
3. Is directly associated with a scientifically recognized important prehistoric or historic event or person.

Impacts on non-unique archaeological resources are generally not considered a significant environmental impact (PRC Section 21083.3[a]; 14 CCR 15064.5[c][4]). However, if a non-unique archaeological resource qualifies as a TCR (PRC Sections 21074[c] and 21083.3[h]), further consideration of significant impacts is required.

CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. These procedures are detailed in PRC Section 5097.98.

The project complies with CEQA because properties in the project study area were evaluated using the evaluation criteria of the NRHP and the CRHR to determine if the properties are resource as defined by CEQA. Identified resources were analyzed to determine if the project would cause a substantial adverse change in the significance of a resource.

California State Assembly Bill 52

Assembly Bill (AB) 52 of 2014 amended PRC Section 5097.94 and added PRC Sections 21073, 21074, 21080.3.3, 21080.3.3, 21082.3, 21083.09, 21084.2, and 21084.3. AB 52 established that TCRs must be considered under CEQA and also provided for additional Native American consultation requirements for the lead agency. Section 21074 describes a TCR as a site, feature, place, cultural landscape, sacred place, or object that is considered of cultural value to a California Native American tribe and that is either:

- On or determined to be eligible for the California Register of Historical Resources or a local historic register; or
- A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Section 5024.1.

AB 52 formalizes the lead agency–tribal consultation process, requiring the lead agency to initiate consultation with California Native American groups that are traditionally and culturally affiliated with the project site, including tribes

that may not be federally recognized. Lead agencies are required to begin consultation prior to the release of a negative declaration, mitigated negative declaration, or environmental impact report.

Section 1(a)(9) of AB 52 establishes that "a substantial adverse change to a tribal cultural resource has a significant effect on the environment." Effects on TCRs should be considered under CEQA. Section 6 of AB 52 adds Section 21080.3.3 to the PRC, which states that parties may propose mitigation measures "capable of avoiding or substantially lessening potential significant impacts to a tribal cultural resource or alternatives that would avoid significant impacts to a tribal cultural resource." Further, if a California Native American tribe requests consultation regarding project alternatives, mitigation measures, or significant effects to TCRs, the consultation shall include those topics (PRC Section 21080.3.3[a]). The environmental document and the mitigation monitoring and reporting program (where applicable) shall include any mitigation measures that are adopted (PRC Section 21082.3[a]).

California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98

CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. As described below, the procedures are detailed in California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98.

California law protects Native American burials, skeletal remains, and associated grave goods, regardless of their antiquity, and provides for the sensitive treatment and disposition of those remains. Health and Safety Code Section 7050.5 requires that if human remains are discovered in any place other than a dedicated cemetery, no further disturbance or excavation of the site or nearby area reasonably suspected to contain human remains shall occur until the County coroner has examined the remains (California Health and Safety Code Section 7050.5[b]). PRC Section 5097.98 also outlines the process to be followed in the event that remains are discovered. If the coroner determines or has reason to believe the remains are those of a Native American, the coroner must contact the California NAHC within 24 hours (California Health and Safety Code Section 7050.5[c]). In accordance with California Public Resources Code Section 5097.98(a), the NAHC will notify the Most Likely Descendant (MLD). With the permission of the landowner, the MLD may inspect the site of discovery. Within 48 hours of being granted access to the site, the MLD may recommend means of treatment or disposition, with appropriate dignity, of the human remains and associated grave goods.

3.3.6.3 Local LORS

Los Angeles County 2035 General Plan

Chapter 9, the Conservation and Natural Resources Element of the Los Angeles County 2035 General Plan, Section VIII. Historic, Cultural, and Paleontological Resources provides the following goals and policies potentially relevant to the project (County of Los Angeles 2015b): The following summarizes Goals and Policies specific to cultural and historical resources:

Goal C/NR 14. Protected historic, cultural, and paleontological resources.

Topic: Historic, Cultural, and Paleontological Resource Protection

Policy C/NR 14.1. Mitigate all impacts from new development on or adjacent to historic, cultural, and paleontological resources to the greatest extent feasible.

Policy C/NR 14.2. Support an inter-jurisdictional collaborative system that protects and enhances historic, cultural, and paleontological resources.

Policy C/NR 14.3. Support the preservation and rehabilitation of historic buildings.

Policy C/NR 14.4. Ensure proper notification procedures to Native American tribes in accordance with Senate Bill 18 (2004).

Policy C/NR 14.5. Promote public awareness of historic, cultural, and paleontological resources.

Policy C/NR 14.6. Ensure proper notification and recovery processes are carried out for development on or near historic, cultural, and paleontological resources.

Los Angeles County Historic Preservation Ordinance

Los Angeles County's Historic Preservation Ordinance was adopted on September 1, 2015, and establishes criteria and procedures for the nomination, designation and review of work on landmarks and property located within historic districts. Unless exempted, the Historic Preservation Ordinance applies to privately owned property within unincorporated areas of Los Angeles County and all publicly owned landmarks.

The criteria for designating landmarks and historic districts is below (County of Los Angeles 2015a: 22.124.070).

A. A structure, site, object, tree, landscape, or natural land feature may be designated as a landmark if it is 50 years of age or older and satisfies one or more of the following criteria:
   1. It is associated with events that have made a significant contribution to the broad patterns of the history of the nation, State, County, or community in which it is located;
   2. It is associated with the lives of persons who are significant in the history of the nation, State, County, or community in which it is located;
   3. It embodies the distinctive characteristics of a type, architectural style, period, or method of construction, or represents the work of an architect, designer, engineer, or builder whose work is of significance to the nation, State, County, or community in which it is located; or possesses artistic values of significance to the nation, State, County, or community in which it is located;
   4. It has yielded, or may be likely to yield, significant and important information regarding the prehistory or history of the nation, State, County, or community in which it is located;
   5. It is listed, or has been formally determined eligible by the United States National Park Service for listing, in the National Register of Historic Places, or is listed, or has been formally determined eligible by the State Historical Resources Commission for listing, on the California Register of Historical Resources;
   6. If it is a tree, it is one of the largest or oldest trees of the species located in the County; or
   7. If it is a tree, landscape, or other natural land feature, it has historical significance due to an association with a historic event, person, site, street, or structure, or because it is a defining or significant outstanding feature of a neighborhood.

B. Property less than 50 years of age may be designated as a landmark if it meets one or more of the criteria set forth in Subsection A, above, and exhibits exceptional importance.

C. The interior space of a property, or other space held open to the general public, including but not limited to a lobby, may be designated as a landmark or included in the landmark designation of a property if the space qualifies for designation as a landmark under Subsection A or B, above.

D. Historic Districts. A geographic area, including a noncontiguous grouping of related properties, may be designated as a historic district if all of the following requirements are met:

1. More than 50 percent of owners in the proposed district consent to the designation;
2. The proposed district satisfies one or more of the criteria set forth in Subsections A.1 through A.5, above; and
3. The proposed district exhibits either a concentration of historic, scenic, or sites containing common character-defining features, which contribute to each other and are unified aesthetically by plan, physical development, or architectural quality; or significant geographical patterns, associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of parks or community planning.

The project conforms to the local LORS because resources were analyzed to determine their significance and where necessary mitigation measures were developed to reduce potential impacts to cultural resources.

3.3.7 Agencies and Agency Contacts

Table 3.3-7 lists the state agencies responsible for cultural resource management for the project and the issues they are responsible for addressing.

Table 3.3-7. Agencies and Agency Contacts

Issue	Agency	Contact
Native American Tribal Cultural Resources, Traditional Cultural Properties, Most Likely Descendant Designation	Native American Heritage Commission	1550 Harbord Blvd, Suite 100 West Sacramento, California 95691 916.373.3710
Local Regulatory Requirements	Los Angeles County Planning	335A East Avenue K-6 Lancaster, California 93535 213.974.6411
Human Remains	Los Angeles County Medical Examiner	1104 N Mission Road Los Angeles, California 90033 323.343.0711

3.3.8 Permits and Permit Schedule

Other than certification by the CEC, no state, federal, or local permits are required for the project for management of cultural resources. Consultation with the SHPO will not be required under Section 106 of the NHPA unless the project requires a federal permit. No federal permits are expected for the project.

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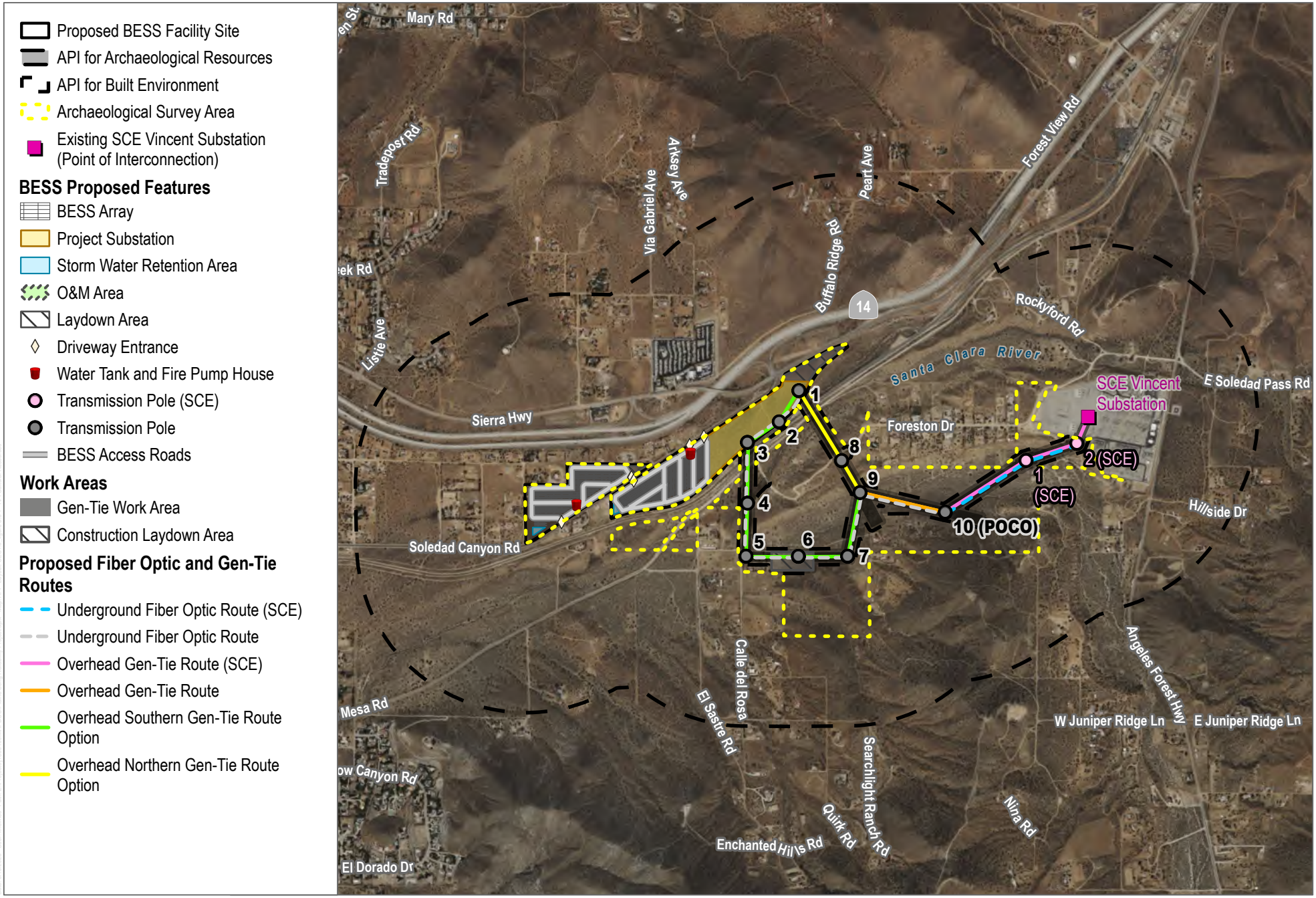

SOURCE: Bing Maps

DUDEK

0 500 1,000 Feet

FIGURE 3.3-1

Area of Potential Impacts for Cultural Resources

Prairie Song Reliability Project

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Attachment 2a

Appendix 3.3A, Archaeological Resources Management Report - Redline Version (Public)

Archaeological Resources Management Report

Prairie Song Reliability Project, Los Angeles County, California

~~JUNE~~ SEPTEMBER 2025

Prepared for:

PRAIRIE SONG RELIABILITY PROJECT LLC
Project Applicant

Prepared by:

DUDEK

27271 Las Ramblas Suite 340
Mission Viejo, California 92691
Contact: Roshanne Bakhtiary, MA, and Adam Giacinto, MA, RPA

National Archaeological Database (NADB) Information

Authors:	Roshanne Bakhtiary, MA, Jessica Colston, BA, and Brenda Rogers, BA
Firm:	Dudek
Project Proponent:	Prairie Song Reliability Project LLC
Report Date:	~~April~~ September 2025
Report Title:	Archaeological Resources Management Report for the Prairie Song Reliability Project, Los Angeles County, California
Type of Study:	Archaeological Resources Inventory and Evaluation
Resources:	P-19-101014; ABS-PK-S-01; ABS-PK-S-02; ABS-PK-S-03; ABS-JC-S-01; ABS-JC-S-02; ABS-JC-S-03; ABS-JC-S-04; ABS-JC-S-05; ABS-BR-S-01; ABS-RB-S-01
USGS Quads:	Acton, California and Pacifico, California 1:24,000; T 5N, R 12W, Sections 27, 28, 33, and 34
Acreage:	138.7 acres
Keywords:	Acton, California USGS 7.5-Minute Quadrangle; Pacifico, California USGS 7.5-Minute Quadrangle; Acton, California; Intensive-Level Pedestrian Survey; P-19-101014; ABS-PK-S-01; ABS-PK-S-02; ABS-PK-S-03; ABS-JC-S-01; ABS-JC-S-02; ABS-JC-S-03; ABS-JC-S-04; ABS-JC-S-05; ABS-BR-S-01; ABS-RB-S-01

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APPENDICES

A Key Personnel Resumes
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Acronyms and Abbreviations

Acronym or Abbreviation	Definition
Amsl	above mean sea level
APN	Assessor's Parcel Number
API	Area of Potential Impacts
BESS	battery energy storage system
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
County	County of Los Angeles
CRHR	California Register of Historical Resources
DPR site forms	California Department of Parks and Recreation 523 (Series 1/95) forms
E/W	east/west
gen-tie	generation interconnection
kV	kilovolt
MLD	Most Likely Descendant
N/S	north/south
NAHC	Native American Heritage Commission
NRHP	National Register of Historic Places
PRC	Public Resources Code
project	Prairie Song Reliability Project
project API	area of potential impacts for Archaeological Resources
SCCIC	Southern Central Coastal Information Center
SCE	Southern California Edison
SLF	Sacred Lands File
TCR	tribal cultural resource
Yuhaaviatam	Yuhaaviatam of San Manuel Nation

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Management Summary

Dudek conducted an archaeological resources inventory and evaluation in support of the Prairie Song Reliability Project (project), located on approximately 107 acres of unincorporated land in Los Angeles County, California (Figure 1, Project Location). Prairie Song Reliability Project LLC proposes to construct and operate an up to 1,150-megawatt battery energy storage system facility that will include operation and maintenance buildings, a project substation, a 500-kilovolt overhead generation interconnection transmission line, and interconnection facilities within the existing Southern California Edison owned and operated Vincent Substation (Figure 2, Project Site Design). The project is located south of State Route 14, approximately 3 miles northeast of the unincorporated community of Acton and is within the U.S. Geological Survey 7.5-minute *Acton, California* and *Pacifico Mountain, California* Quadrangles, Township 5 North, Range 12 West, Sections 27, 28, 33 and 34. The project site is comprised of Assessor's Parcel Numbers 3056-017-007, 3056-017-020, 3056-017-021, 3056-019-013, 3056-019-026, 3056-019-037, and 3056-019-040. This study included a records search, an archival information and literature review, correspondence with the Native American Heritage Commission, informal tribal outreach, an intensive-level archaeological resources pedestrian survey of the project area of potential impacts (API), and the evaluation of one previously recorded and 10 newly identified historic-era archaeological resources under all applicable historical significance criteria.

This archaeological resources investigation was conducted in compliance with the California Environmental Quality Act (CEQA) and local regulations. The California Energy Commission is the lead agency responsible for compliance with CEQA. The project's API for Archaeological Resources (project API or API) is approximately 139 acres. This includes the proposed battery energy storage system facility footprint and both generation interconnection route corridor options with a 50-foot buffer (Figure 3, API for Archaeological Resources). For the purposes of providing management recommendations, the vertical API, as represented by the average depth of ground disturbance, is assumed to be 10 feet below the existing ground surface. The maximum ground disturbance depth is assumed to be 25 to 55 feet below the existing ground disturbance for the gen-tie line structure foundations.

Dudek conducted a California Historical Resources Information System records search of the project API and surrounding 1-mile radius at the South Central Coastal Information Center. The records search identified three previously recorded cultural resources that intersect with the API: P-19-002893 (abandoned Southern Pacific Railway segment), P-19-101014 (can isolate), and P-19-192581 (Antelope-Mesa 220 kV Transmission Line). P-19-002893 and P-19-101014 are addressed in this study, while P-19-192581 are addressed in the *Built Environment Inventory and Evaluation Report* prepared by Dudek for the project in 2025 (Ahmanson et al. 2025).

A Native American Heritage Commission Sacred Lands File search was also conducted for the project in 2023 and 2025, and results were negative for Native American cultural resources within 1 mile of the project API. The Native American Heritage Commission additionally provided a list Native American individuals and/or tribal organizations that should be contacted for more information on potential tribal sensitivities regarding the currently proposed project. Dudek sent letters via USPS certified mailing on January 15 and 20, 2025 to all California Native American Tribal representatives included on the Native American Heritage Commission contact lists. Results of these efforts are provided in Section 6. A review of historic topographic maps and aerial photographs indicate the project API has remained largely undeveloped throughout the twentieth and twenty-first centuries. Additionally, review of historic topographic maps and aerial photographs indicate the project API has remained largely undeveloped throughout the twentieth and twenty-first centuries.

Several Dudek archaeologists conducted intensive-level archaeological resources pedestrian surveys of the project API in 2023, 2024, and 2025. During these survey efforts, crews revisited one previously recorded archaeological resource (P-19-101014) and recorded an additional 10 newly identified archaeological resources within the project API. P-19-002893 was identified as being outside of the project API and thus was not subject to evaluation efforts as part of the current study. 10 of the identified archaeological resources are characterized as surficial historic-era refuse scatters, while ABS-JC-S-04 is characterized as a shallow depression containing historic-era refuse. The majority of these resources likely represent single dumping episodes as indicated by their localized concentration of mostly contemporaneous domestic refuse and food waste items.

P-19-101014, ABS-PK-S-01, ABS-PK-S-02, ABS-PK-S-03, ABS-JC-S-01, ABS-JC-S-02, ABS-JC-S-03, ABS-JC-S-04, ABS-JC-S-05, ABS-BR-S-01, and ABS-RB-S-01 were evaluated as part of the current study. Dudek recommends that all 11 archaeological resources are not eligible for listing on the California Register of Historic Resources and do not meet the criteria to be considered significant or unique archaeological resources under CEQA

Based on the quantity of archaeological resources identified within a 1-mile radius of the project API, the geoarchaeological suitability of the API for supporting the presence of buried archaeological resources, and in consideration of the lack of past disturbances within the majority of the project API, there is a moderate potential for the inadvertent discovery of unanticipated archaeological resources during initial project-related ground disturbance. Dudek recommends part-time archaeological monitoring during initial ground disturbing activities for the project. A Cultural Resources Management and Inadvertent Discovery Plan (CRMIDP) should be developed prior to initiation of construction. The requirement for Native American monitoring should be determined by the lead agency, as informed through the process of consultation. See the Summary and Management Considerations section of this report for details on recommended mitigation measures.

1 Report Structure and Key Personnel

This report is divided into nine sections. Following this section, Section 2 discloses the project location, description, and area of potential impacts delineation. Section 3 provides a summary of the regulatory setting, Section 4 reviews the natural environment and cultural context, and Section 5 provides the research design for the study's significance evaluations. Section 6 provides the methods used to complete the current inventory and evaluation. The records search, archival research, survey results, and all Native American Heritage Commission (NAHC) and tribal correspondence to date are discussed in Section 7. Section 8 provides the significance evaluation findings for all 11 archaeological resources identified as intersecting with the project area of potential impacts (API), and Section 9 summarizes the archaeological resources work completed for the project to date and provides recommendations for further treatment of archaeological resources in accordance with CEQA and local regulations. Finally, Section 10 includes a list of all materials referenced in this report. Several appendices are attached to this report. Appendix A provides resumes of key personnel; Appendix B includes confidential records search results; Appendix C contains a cultural resources overview map; Appendix D documents all NAHC and Tribal correspondence to date; and Appendix E includes all California Department of Parks and Recreation 523 (Series 1/95) forms (DPR site forms) prepared in support of this study.

Brenda Rogers, BA, and personnel at the South Central Coastal Information Center (SCCIC) conducted the California Historical Resources Information System records searches in support of this project. Jessica Colston, BA; Phillip Sharp-Garcia, BA; Shane McDonnell, BA; Brenda Rogers, BA; and Roshanne Bakhtiary, MA, conducted the intensive-level archaeological resources pedestrian surveys in support of this project. Roshanne Bakhtiary, MA; Jessica Colston, BA; and Brenda Rogers, BA, drafted the present report. Adam Giacinto acted as principal investigator, reviewed management recommendations, and finalized the technical report. All archaeologists were overseen by the principal investigator, who exceeds the Secretary of the Interior's Professional Qualification Standards for archaeology and all have extensive experience working within local, state, and federal regulatory contexts.

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2 Introduction

2.1 Project Location and Description

Dudek's archaeological resources inventory and evaluation in support of the Prairie Song Reliability Project (project) was conducted in compliance with the California Environmental Quality Act (CEQA). Prairie Song Reliability Project LLC, a subsidiary of Coval Infrastructure DevCo LLC, is filing an Application for Opt-In Certification under the California Energy Commission's (CEC) licensing process. The CEC is the lead agency responsible for compliance with CEQA.

Prairie Song Reliability Project LLC is proposing to construct, operate, and eventually repower or decommission the up to 1,150-megawatt project located on up to approximately 107 acres of unincorporated land in Los Angeles County (County), California. The project is located south of State Route 14 and approximately 3 miles northeast of the unincorporated community of Acton. The project is within the U.S. Geological Survey 7.5-minute *Acton, California* and *Pacifico Mountain, California* Quadrangles, Township 5 North, Range 12 West, Sections 27, 28, 33 and 34. The project site is comprised of Assessor's Parcel Numbers (APNs) 3056-017-007, 3056-017-020, 3056-017-021, 3056-019-013, 3056-019-026, 3056-019-037, and 3056-019-040, and will occur on an area of land sandwiched between two existing transportation corridors, State Route 14 to the north and Southern Pacific Railroad lines and Carson Mesa Road to the south, that are approximately 1,200 feet apart (Figure 1, Project Location).

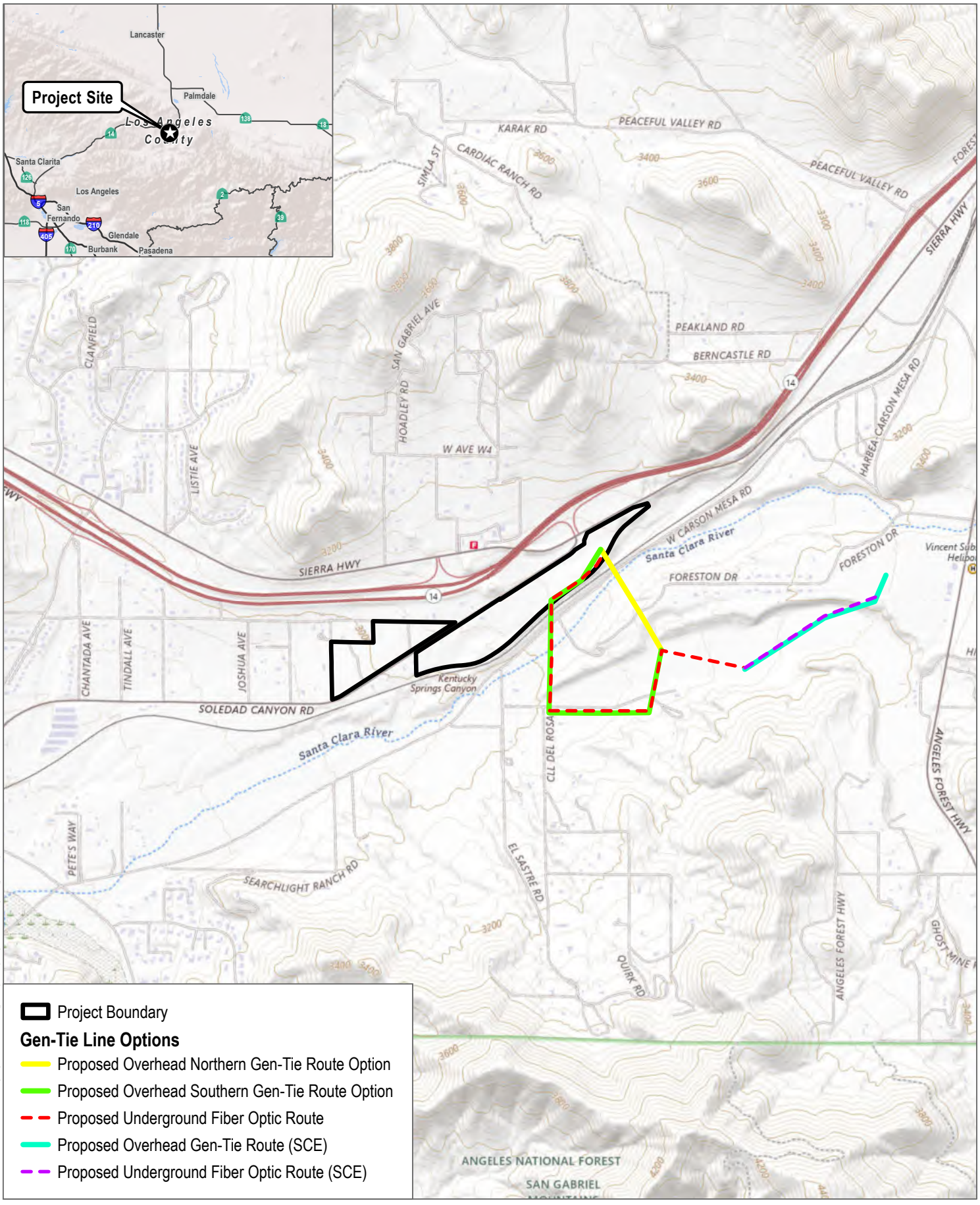
The primary components of the project include a battery energy storage system (BESS) facility, operation and maintenance buildings, a project substation, a 500-kilovolt (kV) overhead generation interconnection (gen-tie) transmission line, and interconnection facilities within the existing Southern California Edison (SCE) owned and operated Vincent Substation (Figure 2, Project Site Design).

The project will utilize one of two potential gen-tie routes. Either route will extend south and east from the project substation, crossing Southern Pacific Railroad tracks and West Carson Mesa Road, and then proceed northeast to the Point of Interconnection at the Vincent Substation. The Northern Gen-Tie Route is approximately 1.1 miles long and will be sited on APNs 3056-015-008, 3056-015-023, 3056-017-026, 3056-017-904, and 3056-017-905, 3056-005-816, 3056-005-817, 3056-005-818, 3056-015-801, and 3056-015-802. The Southern Gen-Tie Route is approximately 1.8 miles long and will be sited on APNs 3056-015-008, 3056-015-023, 3056-017-016, 3056-017-022, 3056-017-026, 3056-017-027, 3056-017-028, 3056-027-007, 3056-027-031, 3056-005-816, 3056-005-817, 3056-005-818, 3056-015-801, and 3056-015-802. Both gen-tie route options are defined by 150-foot-wide linear corridors, reflective of the anticipated impact area for project-related construction and operation. The project's interconnection facilities will located within the SCE Vincent Substation.

2.2 Area of Potential Impacts for Archaeological Resources

The project's API for archaeological resources (project API), as represented by the area that may be subject to physical impacts, is approximately 139 acres. This includes the proposed BESS facility footprint as well as any access roads, laydown yards, and both gen-tie route corridor options with a 50-foot buffer (Figure 3, API for Archaeological Resources). To note, the API does not include a 200-foot buffer around the BESS facility footprint, as it is surrounded by private property and beyond the established limits that could be affected by proposed project-

related construction or operation. For the purposes of providing management recommendations, the vertical API, as represented by the average depth of ground disturbance for the project, is assumed to be 10 feet below the existing ground surface, while the maximum depth of ground disturbance is assumed to be 25 to 55 feet below the existing ground disturbance for the gen-tie line structure foundations.



SOURCE: USGS 7.5' Series

DUDEK

0 1,000 2,000 Feet

0 280 560 Meters

FIGURE 1

Project Location

Prairie Song Reliability Project

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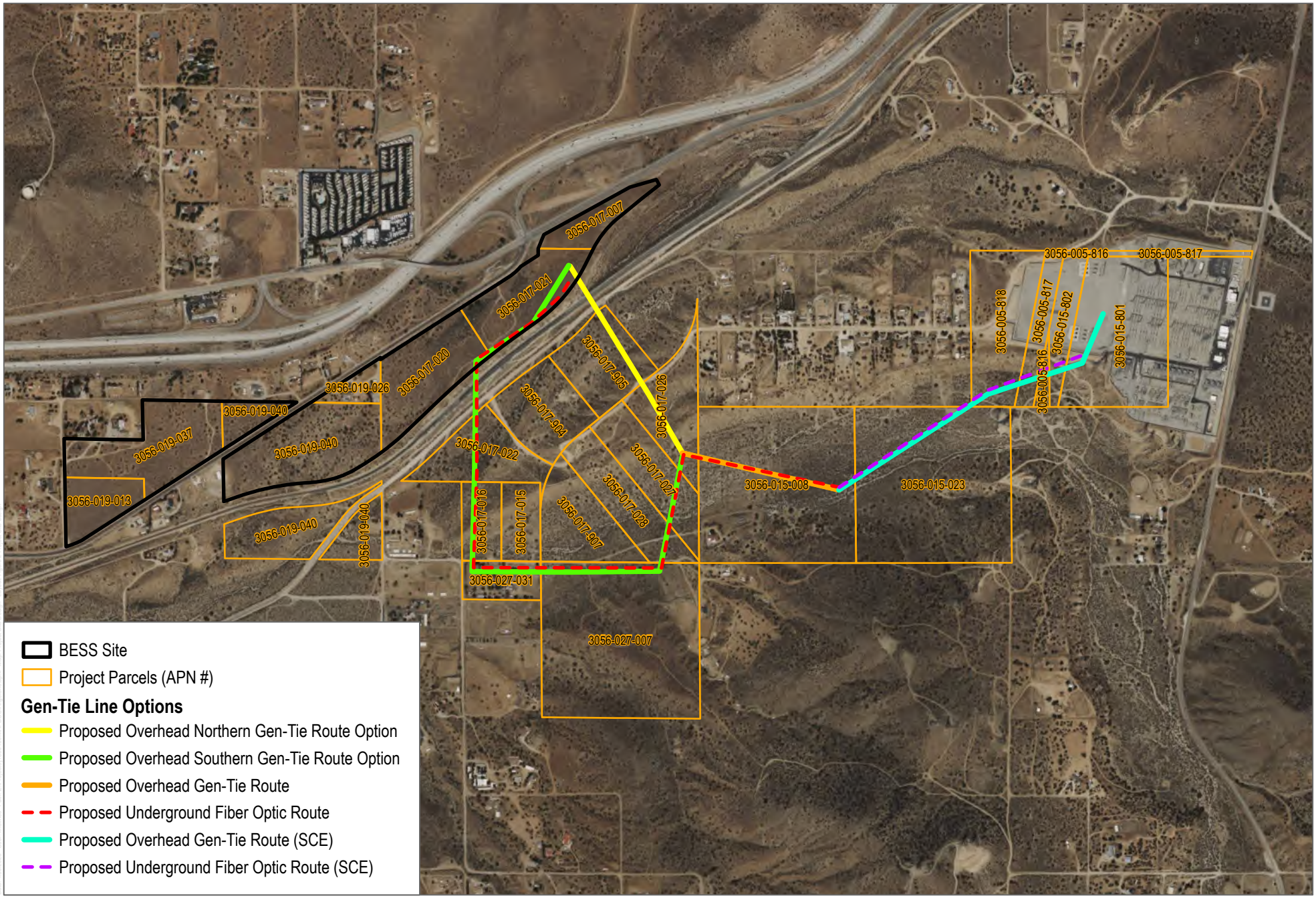

SOURCE: Bing Maps

DUDEK

0 150 300 Meters

0 500 1,000 Feet

FIGURE 2

Project Site Design

Prairie Song Reliability Project

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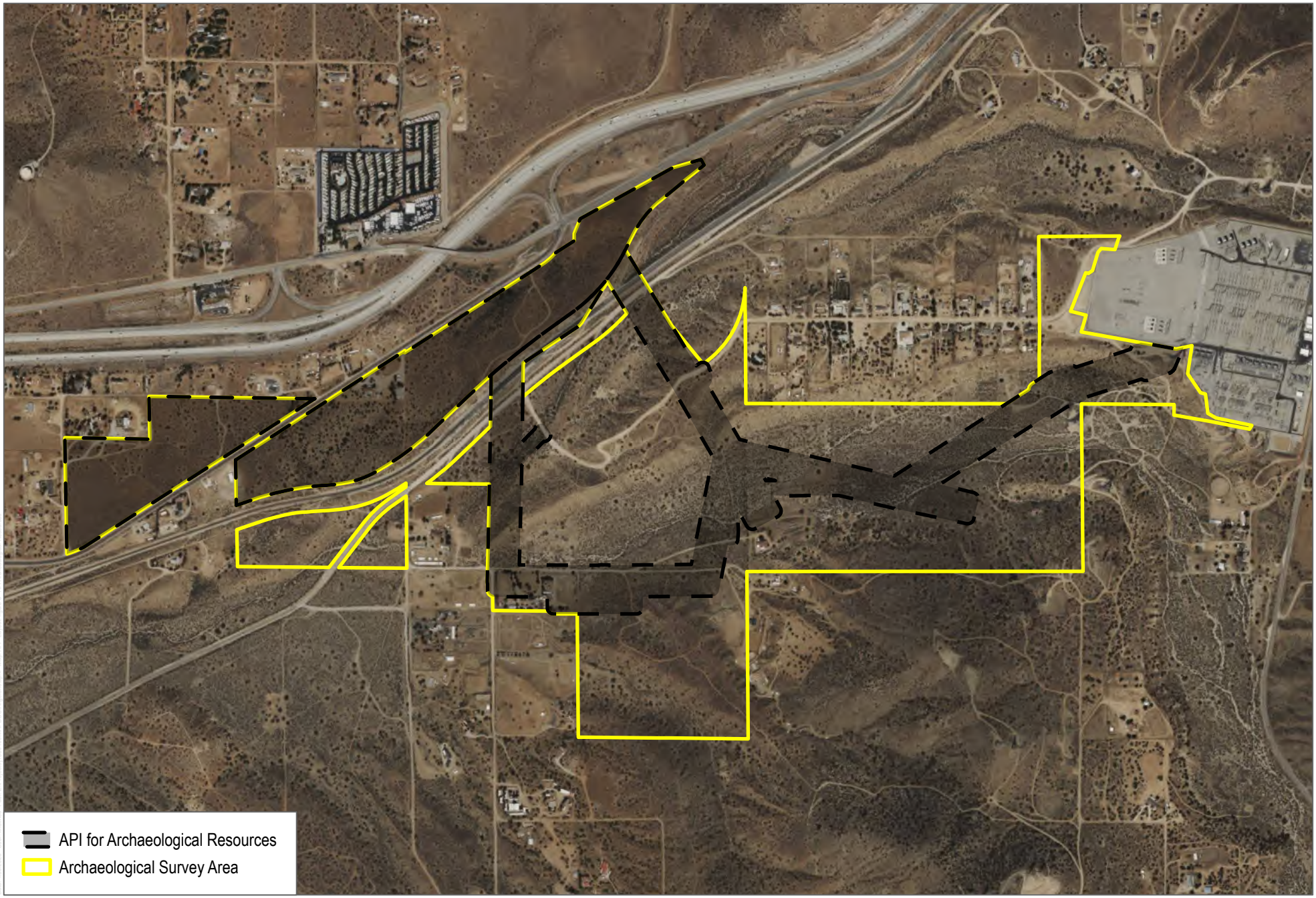

SOURCE: Bing Maps

DUDEK

0 500 1,000 Feet

FIGURE 3

API for Archaeological Resources

Prairie Song Reliability Project

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3 Regulatory Setting

The following section, outlined in Table 1, provides a summary of the applicable laws, ordinances, regulations, and standards relating to the proper management of cultural resources.

Table 1. Laws, Ordinances, Regulations, and Standards Applicable to Cultural Resources

Jurisdiction	LORS	Applicability	Report Reference	Project Conformity
Federal	Section 106, National Historic Preservation Act	Applies if the project would require federal funding or permitting.	Not applicable	The project will not include any federal funding or permitting.
State	California Register of Historical Resources	Program used by state and local agencies to identify, evaluate, register, and protect California's historical resources.	Not applicable	The current study did not identify any cultural resources that meet the eligibility criteria for listing on the California Register of Historical Resources.
State	California Environmental Quality Act	Requires state and local government agencies to inform decisionmakers and the public about the potential environmental effects of a project and to prevent significant, avoidable environmental impacts to extents feasible.	Throughout this Report	Certification of the project by the CEC will be required to comply with CEQA as required by the CEC's Opt-In Application process.
State	Assembly Bill 52	Requires lead agencies to consult with Tribal Governments to address Tribal Cultural Resources that may be impacted by a project.	Not applicable	CEC will be required to complete Government-to-Government consultation pursuant to AB 52 as part of the Opt-In Application process.
State	California Health and Safety Code Section 7050.5	Work shall be halted in the event of human remains discovery.	Section 9.1	Mitigation Measure CUL-3 requires compliance with the California Health and Safety Code Section 7050.5.
State	Public Resources Code Section 5097.98	Most Likely Descendant designation following the discovery of human remains determined by the County Coroner to be Native American in origin.	Section 9.1	Mitigation Measure CUL-3 requires compliance with Public Resources Code Section 5097.98.
Local	Los Angeles County General Plan	Protects historic, cultural, and paleontological resources in	Throughout this Report	The project would conform with the Los Angeles County General Plan goal and policies, as required by the

Table 1. Laws, Ordinances, Regulations, and Standards Applicable to Cultural Resources

Jurisdiction	LORS	Applicability	Report Reference	Project Conformity
		unincorporated areas of Los Angeles County.		CEC's Opt-In Application process.
Local	Los Angeles County Historic Preservation Ordinance	Establishes criteria and procedures for the nomination, designation, and review of work on historic landmarks and property located within historic districts in unincorporated areas of Los Angeles County.	Not applicable	The current study did not identify and cultural resources that meet the Los Angeles County Historic Preservation Ordinance criteria.

Note: LORS = laws, ordinances, regulations, and standards; CEC = California Energy Commission; CEQA = California Environmental Quality Act; AB = Assembly Bill.

3.1 Federal Level Regulations

No federal nexus has been identified that would require the proposed project to comply with federal laws, ordinances, regulations, and standards related to cultural resources.

3.2 State Level Regulations

California Register of Historical Resources

In California, the term "historical resource" includes, but is not limited to, "any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (Public Resources Code [PRC] Section 5020.1[j]). In 1992, the California legislature established the California Register of Historical Resources (CRHR) "to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change" (PRC Section 5024.1[a]). The criteria for listing resources in the CRHR were expressly developed to be in accordance with previously established criteria developed for listing in the National Register of Historic Places (NRHP), enumerated as follows: According to California PRC Section 5024.1(c)(1–4), a resource is considered historically significant if it (i) retains "substantial integrity" and (ii) meets at least one of the following criteria:

1. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
2. Is associated with the lives of persons important in our past.
3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
4. Has yielded, or may be likely to yield, information important in prehistory or history.

To understand the historic importance of a resource, sufficient time must have passed to obtain a scholarly perspective on the events or individuals associated with the resource. A resource less than 50 years old may be considered for listing in the CRHR if it can be demonstrated that sufficient time has passed to understand its historical importance (14 California Code of Regulations [CCR] 4852[d][2]).

The CRHR protects cultural resources by requiring evaluations of the significance of prehistoric and historic resources. The criteria for the CRHR are nearly identical to those for the NRHP, and properties listed or formally designated as eligible for listing in the NRHP are automatically listed in the CRHR, as are state landmarks and points of interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys.

California Environmental Quality Act

The following CEQA statutes (PRC Section 21000 et seq.) and CEQA Guidelines (14 CCR 15000 et seq.) are of relevance to the analysis of archaeological, historic, and Tribal Cultural Resources (TCRs):

- PRC Section 21083.2(g) defines "unique archaeological resource."
- PRC Section 21084.1 and CEQA Guidelines Section 15064.5(a) defines "historical resources." In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource"; it also defines the circumstances when a project would materially impair the significance of a historical resource.
- PRC Section 21074(a) defines "Tribal Cultural Resources."
- PRC Section 5097.98 and CEQA Guidelines Section 15064.5(e) set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated cemetery.
- PRC Sections 21083.2(b) and 21083.2(c) and CEQA Guidelines Section 15126.4 provide information regarding the mitigation framework for archaeological and historic resources, including examples of preservation-in-place mitigation measures. Preservation in place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context and may help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

More specifically, under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (PRC Section 21084.1; 14-CCR 15064.5[b]).

A "substantial adverse change in the significance of an historical resource," reflecting a significant effect under CEQA, means "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (14- CCR 15064.5[b][1]; PRC Section 5020.1[q]). In turn, the significance of a historical resource is materially impaired when a project does any of the following (14 CCR 15064.5[b][2]):

1. Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register [CRHR]; or

2. Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to Section 5020.1(k) of the PRC or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the PRC, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
3. Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA.

Pursuant to these sections, the CEQA inquiry begins with evaluating whether a project site contains any historical resources, then evaluates whether that project will cause a substantial adverse change in the significance of a historical resource such that the resource's historical significance would be materially impaired.

If it can be demonstrated that a project will cause damage to a unique archaeological resource, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. To the extent that they cannot be left undisturbed, mitigation measures are required (PRC Sections 21083.2[a]–[c]).

PRC Section 21083.2(g) defines a *unique archaeological resource* as an archaeological artifact, object, or site about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria (PRC Section 21083.2[g]):

1. Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.
2. Has a special and particular quality such as being the oldest of its type or the best available example of its type.
3. Is directly associated with a scientifically recognized important prehistoric or historic event or person.

Impacts on non-unique archaeological resources are generally not considered a significant environmental impact (PRC Section 21083.2[a]; 14 CCR 15064.5[c][4]). However, if a non-unique archaeological resource qualifies as a TCR (PRC Sections 21074[c] and 21083.2[h]), further consideration of significant impacts is required.

CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. These procedures are detailed in PRC Section 5097.98.

California State Assembly Bill 52

Assembly Bill (AB) 52 of 2014 amended PRC Section 5097.94 and added PRC Sections 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2, and 21084.3. AB 52 established that TCRs must be considered under CEQA and also provided for additional Native American consultation requirements for the lead agency.

Section 21074 describes a TCR as a site, feature, place, cultural landscape, sacred place, or object that is considered of cultural value to a California Native American tribe and that is either:

- On or determined to be eligible for the California Register of Historical Resources or a local historic register; or
- A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Section 5024.1.

AB 52 formalizes the lead agency–tribal consultation process, requiring the lead agency to initiate consultation with California Native American groups that are traditionally and culturally affiliated with the project site, including tribes that may not be federally recognized. Lead agencies are required to begin consultation prior to the release of a negative declaration, mitigated negative declaration, or environmental impact report.

Section 1(a)(9) of AB 52 establishes that "a substantial adverse change to a tribal cultural resource has a significant effect on the environment." Effects on TCRs should be considered under CEQA. Section 6 of AB 52 adds Section 21080.3.2 to the PRC, which states that parties may propose mitigation measures "capable of avoiding or substantially lessening potential significant impacts to a tribal cultural resource or alternatives that would avoid significant impacts to a tribal cultural resource." Further, if a California Native American tribe requests consultation regarding project alternatives, mitigation measures, or significant effects to TCRs, the consultation shall include those topics (PRC Section 21080.3.2[a]). The environmental document and the mitigation monitoring and reporting program (where applicable) shall include any mitigation measures that are adopted (PRC Section 21082.3[a]).

California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98

CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. As described below, the procedures are detailed in California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98.

California law protects Native American burials, skeletal remains, and associated grave goods, regardless of their antiquity, and provides for the sensitive treatment and disposition of those remains. Health and Safety Code Section 7050.5 requires that if human remains are discovered in any place other than a dedicated cemetery, no further disturbance or excavation of the site or nearby area reasonably suspected to contain human remains shall occur until the County coroner has examined the remains (California Health and Safety Code Section 7050.5[b]). PRC Section 5097.98 also outlines the process to be followed in the event that remains are discovered. If the coroner determines or has reason to believe the remains are those of a Native American, the coroner must contact the California NAHC within 24 hours (California Health and Safety Code Section 7050.5[c]). In accordance with California Public Resources Code Section 5097.98(a), the NAHC will notify the Most Likely Descendant (MLD). With the permission of the landowner, the MLD may inspect the site of discovery. Within 48 hours of being granted access to the site, the MLD may recommend means of treatment or disposition, with appropriate dignity, of the human remains and associated grave goods.

Guidelines for Determining Significance

According to CEQA (Section 15064.5b), a project with an effect that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment. CEQA defines a substantial adverse change:

> Substantial adverse change in the significance of an historical resource means physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired.

The significance of an historical resource is materially impaired when a project:

- Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for inclusion in, the CRHR; or
- Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to Section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
- Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its eligibility for inclusion in the CRHR as determined by a lead agency for purposes of CEQA.

Section 15064.5(c) of CEQA applies to effects on archaeological sites and contains the following additional provisions regarding archaeological sites:

- When a project will impact an archaeological site, a lead agency shall first determine whether the site is an historical resource, as defined in subsection (a).
- If a lead agency determines that the archaeological site is a historical resource, it shall refer to the provisions of Section 21084.1 of the Public Resources Code, and this section, Section 15126.4 of the Guidelines, and the limits contained in Section 21083.2 of the Public Resources Code do not apply.
- If an archaeological site does not meet the criteria defined in subsection (a), but does meet the definition of a unique archaeological resource in Section 21083.2 of the Public Resources Code, the site shall be treated in accordance with the provisions of Section 21083.2. The time and cost limitations described in Public Resources Code Section 21083.2 (c–f) do not apply to surveys and site evaluation activities intended to determine whether the project location contains unique archaeological resources.
- If an archaeological resource is neither a unique archaeological nor a historical resource, the effects of the project on those resources shall not be considered a significant effect on the environment. It shall be sufficient that both the resource and the effect on it are noted in the Initial Study or Environmental Impact Report (EIR), if one is prepared to address impacts on other resources, but they need not be considered further in the CEQA process.

Section 15064.5 (d) and (e) contain additional provisions regarding human remains. Regarding Native American human remains, paragraph (d) provides:

- When an initial study identifies the existence of, or the probable likelihood of, Native American human remains within the project, a lead agency shall work with the appropriate Native Americans as identified by the Native American Heritage Commission as provided in Public Resources Code SS5097.98. The applicant may develop an agreement for treating or disposing of, with appropriate dignity, the human remains and any items associated with Native American burials with the appropriate Native Americans as identified by the Native American Heritage Commission. Action implementing such an agreement is exempt from:
  1. The general prohibition on disinterring, disturbing, or removing human remains from any location other than a dedicated cemetery (Health and Safety Code Section 7050.5); and
  2. The requirement of CEQA and the Coastal Act.

Under CEQA, an EIR is required to evaluate any impacts on unique archaeological resources (PRC Section 21083.2). A "unique archaeological resource" is defined as (PRC Section 21083.2(g)):

> [A]n archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:
>
> 1. Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.
> 2. Has a special and particular quality such as being the oldest of its type or the best available example of its type.
> 3. Is directly associated with a scientifically recognized important prehistoric or historic event or person.

An impact to a non-unique archaeological resource is not considered a significant environmental impact and such non-unique resources need not be further addressed in the EIR (Public Resources Code Section 21083.2(a); CEQA Guidelines Section 15064.5(c)(4)).

As stated above, CEQA contains rules for mitigation of "unique archeological resources." For example (PRC Section 21083.2(b)(1)-(4)), "[i]f it can be demonstrated that a project will cause damage to a unique archeological resource, the lead agency may require reasonable efforts to be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. Examples of that treatment, in no order of preference, may include, but are not limited to, any of the following:"

1. "Planning construction to avoid archeological sites."
2. "Deeding archeological sites into permanent conservation easements."
3. "Capping or covering archeological sites with a layer of soil before building on the sites."
4. "Planning parks, greenspace, or other open space to incorporate archeological sites."

PRC Section 21083.2(d) states that "[e]xcavation as mitigation shall be restricted to those parts of the unique archeological resource that would be damaged or destroyed by the project. Excavation as mitigation shall not be

required for a unique archeological resource if the lead agency determines that testing or studies already completed have adequately recovered the scientifically consequential information from and about the resource, if this determination is documented in the environmental impact report."

The rules for mitigating impacts to archeological resources to qualify as "historic resources" are slightly different. According to CEQA Guidelines Section 15126.4(b), "[p]ublic agencies should, whenever feasible, seek to avoid damaging effects on any historic resource of an archeological nature. The following factors shall be considered and discussed in an EIR for a project involving such an archeological site:

A. Preservation in place is the preferred manner of mitigating impacts to archeological sites. Preservation in place maintains the relationship between artifacts and the archeological context. Preservation may also avoid conflict with religious or cultural values of groups associated with the site.
B. Preservation in place may be accomplished by, but is not limited to, the following:
    1. Planning construction to avoid archeological sites;
    2. Incorporation of sites within parks, greenspace, or other open space;
    3. Covering the archeological sites with a layer of chemically stable soil before building tennis courts, parking lots, or similar facilities on the site [; and]
    4. Deeding the site into a permanent conservation easement.

Thus, although Section 21083.2 of the Public Resources Code, in addressing "unique archeological sites," provides for specific mitigation options "in no order of preference," CEQA Guidelines Section 15126.4(b), in addressing "historical resources of an archeological nature," provides that "[p]reservation in place is the preferred manner of mitigating impacts to archeological sites."

Under CEQA, "[w]hen data recovery through excavation is the only feasible mitigation," the lead agency may cause to be prepared and adopt a "data recovery plan," prior to any excavation being undertaken. The data recovery plan must make "provision for adequately recovering the scientifically consequential information from and about the historic resource" (CEQA Guidelines Section 15126.4(b)(3)(C)). The data recovery plan also "must be deposited with the California Historical Resources Regional Information Center" (CEQA Guidelines Section 15126.4(b)(3)(C)). Further, "[i]f an artifact must be removed during project excavation or testing, curation may be an appropriate mitigation" (CEQA Guidelines Section 15126.4(b)(3)(C)).

However, "[d]ata recovery shall not be required for an historical resource if the lead agency determines that testing or studies already completed have adequately recovered the scientifically consequential information from and about the archeological or historic resource, provided that determination is documented in the EIR and that the studies are deposited with the California Historical Resources Regional Information Center" (CEQA Guidelines Section 15126.4(b)(3)(D)).

3.3 Local Level Regulations

Los Angeles County 2035 General Plan

Chapter 9, the Conservation and Natural Resources Element of the Los Angeles County 2035 General Plan, Section VIII. Historic, Cultural, and Paleontological Resources, provides the following goals and policies potentially relevant to the project (County of Los Angeles 2015a):

Goal C/NR 14. Protected historic, cultural, and paleontological resources.

Topic: Historic, Cultural, and Paleontological Resource Protection

Policy C/NR 14.1. Mitigate all impacts from new development on or adjacent to historic, cultural, and paleontological resources to the greatest extent feasible.

Policy C/NR 14.2. Support an inter-jurisdictional collaborative system that protects and enhances historic, cultural, and paleontological resources.

Policy C/NR 14.3. Support the preservation and rehabilitation of historic buildings.

Policy C/NR 14.4. Ensure proper notification procedures to Native American tribes in accordance with Senate Bill 18 (2004).

Policy C/NR 14.5. Promote public awareness of historic, cultural, and paleontological resources.

Policy C/NR 14.6. Ensure proper notification and recovery processes are carried out for development on or near historic, cultural, and paleontological resources.

Los Angeles County Preservation Ordinance

On September 1, 2015, the Board of Supervisors recognized the importance of preserving the County's distinctive architectural and cultural history by adopting the Historic Preservation Ordinance that (County of Los Angeles 2015b):

- Specifies criteria and procedures for the designation of landmarks and historic districts.
- Specifies criteria and procedures for reviewing proposed work on designated landmarks or on property within historic districts.
- Establishes penalties for unauthorized work, including demolition, on landmarks or historic district contributors.
- Requires maintenance of landmarks and historic district contributors to prevent deterioration.
- Prohibits work, including demolition, on property nominated but not yet designated as a landmark or historic district.

- Encourages adaptive reuse of landmarks and historic district contributors by providing relief from parking requirements.
- Provides for the enhancement of historic districts by the establishment of development guidelines and standards, and by allowing streetscape improvements that are compatible with the areas historic character.

4 Context and Setting

4.1 Environmental Setting

The project is located in northern Los Angeles County within the foothills of the Sierra Pelona Mountains and at the edge of the Antelope Valley of the western Mojave Desert. The nearest municipality to the project is the City of Palmdale, which is located approximately 4 miles to the northeast. Land uses in the immediate vicinity of the project include undeveloped and rural lands, multiple high-voltage transmission lines and an electrical substation, paved and rural roads, State Route 14, and railroad lines. The majority of the project API is currently either undeveloped or rural residential. The API ranges in elevation from approximately 3,000 feet to 3,200 feet above mean sea level (amsl) and is generally hilly in nature, with greater elevations along the eastern portion of the API. The region surrounding the project receives approximately 8.7 inches of precipitation annually. Average temperatures range from approximately 38°F to 97°F (WRCC 2025). Additionally, several seasonal drainages are located within and adjacent to project, with the Santa Clara River located directly to the north.

The project API sits within an ecotone characterized by a blend of desert scrub and mixed chaparral native plant communities. Common plant species within desert scrub environments include creosote (*Larrea tridentata*), white bursage (*Ambrosia dumosa*), juniper (*Juniperus* spp.), and golden cholla (*Cylindropuntia echinocarpa*), while species typical of mixed chaparral include chamise (*Adenostoma fasciculatum*), manzanita (*Arctostaphylos* spp.), coyote brush (*Baccharis pilularis*), California buckwheat (*Eriogonum fasciculatum*), scrub oak (*Quercus berberidifolia*) and yucca (*Yucca* spp. or *Hesperoyucca* sp.). Additionally, a wide array of fauna is known to exist within the foothills of the western Mojave Desert. Medium-sized mammals such as coyote (*Canis latrans*) and fox (*Urocyon cinereoargenteus*) are common. Smaller animals include blacktailed jackrabbit (*Lepus californicus*), cottontail rabbit (*Sylvilagus audubonii*), ground squirrel (*Spermophilus* sp.), and kangaroo rat (*Dipodomys* sp.), as there are many birds and migratory waterfowl present at lower elevations across cross the Antelope Valley (Earle et al. 1997; Pritchard-Parker et al. 1999; Rhode and Lancaster 1996).

4.2 Prehistoric Setting

Earle et al. (1997) and Loechl et al. (2002) have divided the prehistoric cultural chronology for the Mojave Desert into seven cultural/temporal periods: Fluted Point Period, Lake Mojave Period, Pinto Period, Gypsum Period, Saratoga Springs Period, Post-Saratoga Springs/Late Period, and Contact/Ethnographic Period; the last includes the Euro-American historic record as well. Following Loechl et al. (2002) and Horne and McDougall (2005), Giambastiani et al. (2008) synthesized these periods with inferred paleoclimatic events over the past 12,000 years in the Mojave Desert. However, their scenario conflicts with the “standard” culture synthesis currently in use within the region, and there are minor aspects of that scheme that appear somewhat outdated in light of recent data from Edwards Airforce Base (Basgall and Overly 2004; Giambastiani and Basgall 2000; Rhode and Lancaster 1996), Fort Irwin (Basgall and Hall 1992; Byrd et al. 1994), and Twentynine Palms (Basgall and Giambastiani 2000; Basgall et al. 2002; Basgall and Jurich 2006; Hall 2000).

While it is likely that long-term trends in prehistoric subsistence/settlement adaptations, and the timing of major changes in them, were largely similar across the Mojave Desert region, the many attempts to summarize them during the last 30 years of archaeological research have often produced differing results. In particular, the character of Late Pleistocene/early Holocene adaptations is still unclear and strongly debated, due in part to the persistence

of long-standing notions of Paleoindian lifeways but due also to the continued scarcity of archaeological data from ancient sites in good, dateable contexts. The following summary of early prehistoric culture history, therefore, contains some assertions that are largely inferred and many that are highly debatable. Other important, more detailed syntheses can be found elsewhere (Basgall 1993, 2000; Giambastiani and Basgall 2000; Grayson 1993; Warren 1984; Warren and Crabtree 1986), and the interested reader is referred to those sources to become more familiar with the number of different and often better substantiated opinions about the nature of ancient human adaptations in the Mojave Desert.

4.2.1 Fluted Point Period (12,000–10,000 BP)

Typically, sites of this age have been identified based on the presence of fluted-base projectile points similar to the well-known Clovis forms typically associated with ancient cultures of the Great Plains. Termed "Western Clovis" (Tuohy 1974; Willig and Aikens 1988), "Black Rock Concave Base" (Clewlow 1968) or "Great Basin Concave-Base" (Pendleton 1979), many types of Clovis-like points have been found in various locations throughout the western Great Basin and in California. Lithic assemblages containing fluted points often contain crescents, gravers, scrapers, choppers, and "perforators" (Davis 1978). Fluted point sites occur in a variety of environments, indicating that inhabitants were likely generalized foragers rather than specialized big game hunters (Earle et al. 1997; Moratto 1984).

4.2.2 Lake Mojave Period (10,000–7000 BP)

In the western Great Basin, various stemmed projectile point forms have been fairly well dated to the early Holocene, roughly between 10,000 and 7500 BP. Generally subsumed under the broader appellation "Great Basin Stemmed," these artifacts are elongate, lanceolate forms often with subtle, sloping shoulders, although many different regional styles exist. In the western Mojave Desert, typical stemmed points are Lake Mojave (unshouldered) and Silver Lake (slightly shouldered) forms, both of which are parts of lithic assemblages similar to those of the Fluted Point period.

Because of their tendency to occur along the shorelines of extinct lakes, stemmed point assemblages were once considered to represent a unique, lacustrine-based subsistence adaptation. The term "Western Pluvial Lakes Tradition,", originally coined by Bedwell (1973), was applied to stemmed point sites found in ancient lakeshore contexts across the Great Basin. Lithic assemblages of the Western Pluvial Lakes Tradition were found to be fairly comparable to Clovis materials, and in many cases points of both kinds occur together in the same sites (cf., Basgall and Hall 1991; Davis and Panlaqui 1978; Willig 1988, 1990). Flaked stone "crescents" (Amsden 1937; Tadlock 1966; Wardle 1913) were found primarily in such lakeshore assemblages, leading many archaeologists to draw associations between crescents and lacustrine environments. Support for the Western Pluvial Lakes Tradition has faded in recent years, however, as more and more stemmed point sites have been discovered in locations away from extinct bodies of water, and the landform bias in early survey programs becomes increasingly clear. Bias in the differential preservation of ancient land surfaces along fossil washes and in the center of dry lake basins has also been recognized (Basgall and Hall 1991; Waters 1988, 1991).

4.2.3 Pinto Period (7000–4000 BP)

Archaeological assemblages dating to this period are typified by Pinto points, which are projectiles bearing weak shoulders and indented or split-stem bases. Associated flaked stone assemblages include leaf-shaped bifaces,

formal unifaces, flake tools, and consistent quantities of core-cobble implements (Basgall 1993, 2000; Campbell and Campbell 1935; Hunt 1960; Rogers 1939). Lithic selection evidently favored fine-grained igneous stones, such as basalt and rhyolite, for points and bifaces (Glennan 1970, 1971; Norwood 1987). Milling stones are a major part of Pinto period assemblages, reflecting the importance of seed processing. The timing of the Pinto period coincides with Antevs' (1953) "Altithermal," an extended interval when climate was supposedly very hot and dry. Archaeologists once believed a scarcity of Pinto sites in the Mojave Desert signaled a near-total abandonment of the region due to the oppressive climate, but recent studies suggest that the middle Holocene in the Antelope Valley was punctuated by wetter episodes (Grayson 1993; Mehringer 1986) and that the effects of the Altithermal were variable in different parts of the desert. The Pinto Period is synonymous with the "Archaic" period throughout North America. During this time, Pinto Period artifacts tend to occur in aggregates at fewer locations having the appearance of being sedentary encampments. However, the relatively limited diversity of artifacts at these sites indicates they were serially occupied, perhaps during a particular season by the same families, leading to stockpiles of ground and battered stones. This seems to fit with the occurrence of Pinto Period projectile points at small, task specific sites indicating a greater reliance on logistical forays around a more stable encampment.

4.2.4 Gypsum Period (4000–1500 BP)

Diagnostic artifacts at Gypsum period sites include Gypsum contracting-stem projectile points, Elko eared and corner-notched points, and Humboldt basal-notched points. Lithic assemblages are typified by bifaces, scrapers, and a variety of other flake-based tools, but also contain mortars and pestles as evidence of expanded plant processing (including mesquite, pine nuts, yucca, and agave). Large villages or village complexes appear during Gypsum times, reflecting a transition from seasonal transhumance to year-round sedentary occupation within the Antelope Valley (Sutton 1988, 1996). The presence of marine shell artifacts at Gypsum period sites indicates economic ties between the Antelope Valley and the California coast (Warren 1984). Gardner (2007) analyzed data from a slew of sites in the western Mojave to assess the socioeconomic impact of the Medieval Climatic Anomaly and in so doing, suggested a revision in the terminus of the Gypsum period to about 2000 BP. Gardner (2007:241) based this revision on the early appearance of the bow and arrow within the Rose Spring Complex in conjunction with an increase in effective moisture at 2000 BP.

4.2.5 Saratoga Springs Period (1500–800 BP)

By at least 1500 BP (or 2000 BP using Gardner's [2007] chronological scheme), the aboriginal people of the Mojave Desert had replaced the atl atl (or spear-thrower) with the bow and arrow (Yohe 1992, 1998). This change brought about a shift toward the use of smaller projectile points, including various corner-notched and side-notched Saratoga Springs types and the corner-notched Rose Spring and Eastgate types. Anasazi ceramics also appear in the southern Mojave around 1200–1100 BP, coinciding with the westward spread of the Virgin Anasazi into southern Nevada. Influence from the cultures of the Colorado River eventually grew stronger than those from the east, allowing for an influx of buffware ceramics and other goods that persisted until the historic present. The intensification of plant use initiated during the Gypsum period continued in the Saratoga Springs period, as diet breadth was expanded to include a wide range of plant foods that required high cost/high return procurement and processing strategies. This is indicated by a general increase in milling equipment from Gypsum times through the Saratoga Springs period (see Gardner 2007:225–228).

4.2.6 Post-Saratoga Springs or Late Period (800–300 BP)

In the Antelope Valley, social and economic adaptations during this final prehistoric interval were largely an extension of patterns that developed during the Saratoga Springs period. Trade along the Mojave River continued to provide the people of eastern Antelope Valley with a variety of exotic goods and materials, although it appears that relationships with groups in coastal California eventually grew stronger than those with groups inhabiting the arid interior. Projectile points also shifted in form, with unnotched Cottonwood triangular and Desert side-notched points being even smaller than their predecessors. Mortars and pestles also appear in significant quantities, probably an indication of increased emphasis on high-cost/high-yield processing.

4.3 Ethnohistoric Setting (300 BP–Present)

This last interval is defined as the period of contact between native desert people and Euro-American explorers and settlers. Kroeber (1925) argued that as many as six different native groups were living in the western Mojave at the time of Euro-American contact, including the Chemehuevi, Serrano, Kawaiisu, Kitanemuk, Alliklik (Tataviam), and Vanyume, although it is likely that only the latter four groups used lands within Antelope Valley on a regular basis. Blackburn and Bean (1978) later reinterpreted the political geography in the western Mojave Desert, dividing western Antelope Valley between the Tataviam (to the south) and the Kitanemuk (to the north). Sutton (1980:220) followed Blackburn and Bean, claiming that the late prehistoric population in the majority of Antelope Valley was "ancestral to the ethnographic Kitanemuk." He later hypothesized that the floor of the valley might have been abandoned a few decades prior to Spanish contact in 1772 (Sutton 1988; Warren 1984). Earle et al. (1997:8), however, feels this idea is probably "overdrawn," citing the diaries of Pedro Fages (1775 and Father Garcés (1776, as cited in Earle et al. 1997) that remarked on seeing and visiting native villages in what is now western Antelope Valley. The site of Apavuchiveat, probably located at Buckhorn Springs, is likely affiliated with the Desert (Vanyume) Serrano. Another site at Willow Springs, west of Rosamond Dry Lake, was identified by contemporary Kitanemuk Serrano as an additional village location (Earle et al. 1997). Although only two ethnolinguistic groups—the Tataviam and the Serrano (Heizer 1966: Map 4)—are ethnographically documented within a 5-mile radius of the Project area, the following sections present ethnographic contexts for all six (6) ethnolinguistic groups historically and culturally associated with the broader western Mojave Desert as outlined by Kroeber (1925).

4.3.1 Tataviam

The Project is located within the ethnographically known territory occupied by the Tataviam Native American group. The Tataviam territories included the upper reaches of the Santa Clara River drainage east of Piru Creek but also encompassed the Sawmill Mountains to the north and the southwestern portion of the Antelope Valley. Relatively little is known about the Tataviam. Most of what is known today about the Tataviam comes from the work of Alfred L. Kroeber and John P. Harrington and data obtained from one consultant named Juan José Fustero (Johnson and Earle 1990).

There are different hypotheses in regard to the affiliation of the Tataviam language. Some scholars hypothesize that the Tataviam may have spoken a language that was uncommonly used in Southern California or that they may have spoken a Takic language like their southern neighbors (King and Blackburn 1978). As with most languages, the Takic dialects may have been more noticeable at the geographic extremes even though the language was likely a continuum of slight sound and synonym shifts from one community to the next. One scholar has suggested that

the northern edge of Western Tongva lands were home to the Tataviam Takic speakers, a related but separate language from Northern Takic (Mithun 1999:539).

King and Blackburn (1978:536) have identified several significant Tataviam settlements based on information provided by Harrington, including the important village of *tsawayung* located near Castaic Junction at the site of Rancho San Francisquito (Newhall Ranch). Others include *tikatsing*, located on upper Castaic Creek, and *pi'ing*, located where Castaic Creek meets Elizabeth Lake Canyon. Another significant village, *Tochonaga*, was recorded on an 1843 land grant map. This site appears to be located to the southeast of Newhall. Other villages and seasonal camp sites identified by Harrington include *akure'eng*, which was located at the original Newhall townsite; *apatsitsing*, located on upper Castaic Creek; and *naqava'atang*, located east of Townsend Peak. Piru Creek also contained several village and rancheria sites, located on the northern edge of Tataviam territory (Johnson and Earle 1990).

It is suggested that Tataviam villages varied in size from large centers containing close to 200 people, intermediate villages containing 20 to 60 people, and small settlements containing 10 to 15 people. Permanent family dwellings were known as *Ki'j* and consisted of 12-to-20-foot-diameter, dome-shaped structures fashioned from willow branches. The outside was typically covered in bulrush or cattails, and a hole was left in the top of the roof to allow for a fire inside the *Ki'j* (King and Blackburn 1978).

Tataviam subsistence consisted largely of hunting and gathering. Vegetable foods include yucca, acorns, sage seeds, juniper berries, and berries of islay. Animal foods include small mammals, deer, and perhaps antelope. There is also evidence of marine shellfish and fish at various Tataviam sites. It is thought that the Tataviam probably relied more heavily on the buds of the yucca as a major staple than did neighboring groups (King and Blackburn 1978).

Pedro Fage's account of the 1769 Portola expedition indicates that the first Chumash settlement encountered upon leaving Tataviam territory was located west of the mouth of Piru Creek. The village of *kamulus* (Camulos), located east of Piru Canyon, bears a Chumash name, and it is thought that this village consisted of a mixed Chumash-Tataviam population (Johnson and Earle 1990).

4.3.2 Serrano

The Project is also located adjacent to the ethnographically known territory occupied by the Serrano Native American group. The Serrano language is part of the Serrano division of a branch of the Takic family of the Uto-Aztecan linguistic stock (Mithun 1999). The Serrano language was originally spoken by a relatively small group located within the San Bernardino and Sierra Madre Mountains, and the term *Serrano* has come to be ethnically defined as the name of the people in the San Bernardino Mountains (Kroeber 1925). The traditional territory for the Serrano centered in the San Bernardino Mountains and extended northeast into parts of the Mojave River area and southeast to the Tejon Creek area (Bean and Smith 1978). Their territory extended west along the northern slopes of the San Gabriel Mountains, east as far as Twentynine Palms, north along the Mojave River, and south to the Yucaipa Valley. The Vanyume, who lived along the Mojave River and associated Mojave Desert areas and are also referred to as the Desert Serrano, spoke either a dialect of Serrano or a closely related language (Mithun 1999).

The Serrano were mainly hunters and gatherers who occasionally fished. A variety of materials were used for hunting, gathering, and processing food, as well as for shelter, clothing, and luxury items. Shells, wood, bone, stone, plant materials, and animal skins and feathers were used for making baskets, pottery, blankets, mats, nets, bags

and pouches, cordage, awls, bows, arrows, drills, stone pipes, musical instruments, and clothing (Bean and Smith 1978). Game that was hunted included mountain sheep, deer, antelope, rabbits, small rodents, and various birds, particularly quail. Vegetable staples consisted of acorns, piñon nuts, bulbs and tubers, shoots and roots, berries, mesquite, barrel cacti, and Joshua tree (Bean and Smith 1978).

Settlement locations were determined by water availability, and most Serranos lived in small villages near water sources. Houses and ramadas were round and constructed of poles covered with bark and tule mats (Kroeber 1925). Most Serrano villages also had a ceremonial house used as a religious center. Other structures within the village might include granaries and sweathouses (Bean and Smith 1978). The Serrano were loosely organized along patrilineal lines and associated themselves with either the Tukum (wildcat) or the Wahilyam (coyote) moiety. Individual bands of Serrano constituted political groups (Kroeber 1925). Partly due to their mountainous inland territory, contact between Serrano and Euro-Americans was minimal prior to the early 1800s. In 1819, an asistencia (mission outpost) was established near present-day Redlands and was used to help relocate many Serrano to Mission San Gabriel. However, small groups of Serrano remained in the area northeast of the San Gorgonio Pass and were able to preserve some of their native culture. Today, most Serrano live either on the Morongo or San Manuel reservations (Bean and Smith 1978).

4.3.3 Vanyume

The Vanyume were a northern division of the Serrano Indians that generally inhabited the Mojave River corridor and the broader Barstow region (Bean and Smith 1978). Perhaps the most significant difference between the Vanyume and Serrano is that the Vanyume enjoyed good trade relations with the Mojave and Chemehuevi—both enemies of the southerly Serrano (Bean and Smith 1978). These trade relations contributed to easier access to foods and other goods not available on the central Mojave Desert floor, such as acorns. Bean and Smith (1978) and Kroeber (1925) note that the Vanyume sometimes visited the southerly foothills in the San Gabriel Mountains to trade for acorns. Father Francisco Hermenegildo Garcés noted that he had been given acorn meal at a Vanyume village southwest of what is currently Barstow. This account seems to confirm the notion that the Vanyume were distinct from the Serrano based on trade relations and geography.

Most information on the Serrano relates to the more southern areas near Twentynine Palms and Victorville (see Bean and Smith 1978; Strong 1929), with less information available about the Vanyume. However, it is generally inferred that subsistence among the Vanyume was based on a typical Mojave Desert adaptation, similar to other groups, such as the Chemehuevi. Staple foods included mesquite, pinyon, acorns, yucca, cactus, small seeds, chia, and ricegrass, with other plants supplementing the diet when available. Small game, including reptiles, rodents, and birds, were the primary game targeted, but larger-bodied antelope and mountain sheep were taken if encountered (Bean and Smith 1978). Subsistence technology was relatively standard and included bows and arrows, throwing sticks, traps and snares, deadfalls, milling stones and hand stones, and mortars and pestles, although the daily economic significance of any one of these is not well understood. Communal hunting (deer and rabbit) and gathering (acorn and mesquite) events were sometimes organized on an annual basis; Bean and Smith (1978) reported that community activities were organized during the annual mourning ceremony (see also Drucker 1937). The Vanyume/Serrano also had a relatively standard material culture consisting of cordage-based containers, mats, baskets, and undecorated brownware pottery (paddle and anvil method), with basketry providing supplemental containers of various kinds, winnowers, and hoppers for portable stone mortars (Drucker 1937).

Vanyume settlement was centered on single families, with dwellings consisting of basic circular wood lattice structures covered with either brush or mats as available (Drucker 1937). Like the Chemehuevi, more substantial dwellings occurred at seasonal villages; including shade structures, sweat houses, and granaries (elevated acorn or seed/nut storage facilities).

4.3.4 Chemehuevi

The Chemehuevi are the southernmost group of the Southern Paiute, having fissioned in the Las Vegas area around the time of Spanish contact in the late 1700s (Fowler and Fowler 1971). Earle (2005) describes a dispute between Franciscan Missionary Francisco Garcés and Spanish military Captain of Alta California, Fernando de Rivera y Moncada, over official policy regarding interaction (specifically trade and intercourse) with Mojave Desert Indians. Garcés desired to facilitate trade as tool for missionization, and Rivera wanted to inhibit interaction, especially between Indian groups for fear of cross-group mobilization against the Spanish occupation. Garcés understood well aboriginal sociopolitical interaction and was aware of where Indian habitations were on the landscape (Earle 2005). Key here is that Garcés did not record Chemehuevi along the California side of the Colorado River, prompting Earle (2005) (and Kroeber [1925] before him) to speculate that the Chemehuevi began to settle in the region only after their political allies—the Kohuana—were driven eastward by the Mojave and Yuma Indians to the river (see also Fowler and Fowler 1971). Earle (2005) indicates that this settlement shift did not occur until after 1830. After this time, the Chemehuevi spread rapidly toward the western Mojave Desert. Kroeber (1925) supports this assertation, noting that the area near Twentynine Palms was not traditional Chemehuevi territory but was occupied by them only after feuding with the Mojave Indians in the 1860s (see Lechner and Hale 2009).

Chemehuevi subsistence varied across the Mojave Desert. Along the Colorado River, they practiced horticulture and grew corn, sunflower, melons, and legumes, also cultivating various other native plants (Kelly and Fowler 1986). The contribution of cultivated foods to Chemehuevi subsistence and their investment in cultivation is questionable, however (Bean and Smith 1978), and it is more likely that such activities occurred as a buffer against shortfalls or during times of conflict. It is also debatable as to the timespan that the Chemehuevi practiced horticulture—i.e., how far into prehistoric times such activities extended. By all accounts, non-riverine subsistence was similar to other Mojave Desert Indians, such as the Serrano, with typical upland and foothill areas providing pinyon nuts, yucca, agave, berries, ricegrass, and cactus along with several small and medium-bodied animals (reptiles, rodents, and the occasional antelope and bighorn sheep) (Earle 2003). Desert floor foods commonly exploited when available include mesquite, various seeded plants, reptiles, rodents, birds, and other small animals (Bean and Vane 2003). The Chemehuevi were known for their baskets and various other twined tools used for plant gathering and processing (i.e., seed winnowers, parching trays, water jugs and caps, cradles, and the like) (Kelly and Fowler 1986; Kroeber 1925). Hunting among the Chemehuevi was typical of other desert groups, being focused on small game and reptiles, although larger antelope and mountain sheep would be pursued if encountered. Drucker (1937) reports that they used a variety of animal capture methods, such as clubs, traps, nets, snares, sinew-backed bows, and stone tipped arrows. Little is reported about plant processing, but it can be inferred from the intensive exploitation of mesquite, seeds, and other plant matter that milling stones, hand stones, mortars, and pestles were employed when necessary.

4.3.5 Kawaiisu

The Kawaiisu (also *Niwiwi*), who refer to themselves as *Nuooah*, occupied the Piute Mountains at the southern end of the Sierra Nevada Range and the northern part of the Tehachapi Mountains, as well as portions of the valley

floors (Garfinkel and Williams 2011; Zigmond 1986). As with other Native groups, there were desert and mountain populations of Kawaiisu (Garfinkel and Williams 2011; Earle 2004, 2005; Underwood 2006; Zigmond 1986). Modern landscape place names record their presence and influence—the Tehachapi Mountains and Valley likely derive their name from the Kawaiisu term *tihicipi* (hard climb) (Garfinkel and Williams 2011). The Kawaiisu interacted peacefully with neighboring groups whose territory/resources overlapped their own. These included the Kitanemuk and the Panamint Shoshone with whom they intermarried, lived alongside, and shared territory and spiritual beliefs, practices, and practitioners with (Antelope Valley Indian Museum 2019; Garfinkel and Williams 2011; Stickel et al. 1980).

The Kawaiisu radiated outwards from small, permanent winter villages in search of resources. Freestanding granaries, bedrock milling locations, and proximity to fresh water were consistent features of winter villages. *Tomokahni* (winter home) is a historic Kawaiisu village in the Tehachapi Mountains (California Department of Parks and Recreation 2025). Additional winter villages, such as *Tehecita*, have been identified in Cache Creek Canyon northeast of the modern town of Tehachapi.

During warmer months, the Kawaiisu formed small, mobile foraging groups of related individuals. These groups established temporary camps at high altitude mountain locations and low altitude desert locations in order to procure plant/animal resources. Likely temporary Kawaiisu occupations have been identified in the southern Panamint Valley and southern Death Valley, as well as southeast to Rogers Lake and the Mojave River near present-day Barstow (Earle 2004, 2005, 2010; Underwood 2006; Zigmond 1986).

Like their neighbors, the Kawaiisu were hunters and gatherers reliant on an array of seasonal plant and animal resources. They exploited roughly 112 plant species, including black oak acorns (*Quercus kelloggii*), piñon nuts (both the *Pinus sabiniana* and *monophylla* varieties, depending on elevation), yucca (both Joshua tree *Yucca brevifolia* and Spanish bayonet *Yucca whipplei* varieties), chia (*Salvia* spp.) and bunch grass (*Achnatherum* spp.) (Earle 2010; Zigmond 1986). Male hunting parties organized and sometimes teamed with neighboring Native groups to hunt pronghorn and bighorn sheep as well as deer. Fishing, snaring/hunting quail and chuckwalla, and communal jack rabbit hunts also occurred.

4.3.6 Kitanemuk

Kitanemuk speakers occupied territory extending from the Tehachapi Mountains to the western Antelope Valley (California Language Archive 2019; Kroeber 1925). They interacted frequently and peacefully with the Kawaiisu and the Serrano, and intermarriage was common (Earle 2010; Earle and Wiewall 2013). The Kitanemuk intermarried, but also fought, with the Yokuts (Earle 2010). They likely had good trade relations with most of their neighbors, including the Chumash and Tübatulabal, and may have been heavily involved with trade in the Antelope Valley.

The Kitanemuk were mountain people, with settlements clustered in the Tehachapi Mountains and San Joaquin Valley foothills (Blackburn and Bean 1978; Kroeber 1925; Sutton 1980). During cooler seasons or at least seasonally, the Kitanemuk likely migrated to the arid valley floors. During the Late Prehistoric Period, Kitanemuk settlements became permanent along the desert floor (Sutton 1980). The Kitanemuk village closest to the APE was *Panūqavea/Šeševyəq*, located near modern-day Willow Springs. Kitanemuk place names for natural features surrounding the APE, such as Piute Ponds (*Tšəhtšavea*) and Soledad Mountain (*Paʔtqayvea*) persist to the present (Blumel et al. 2013).

Similar to nearby groups, the Kitanemuk were hunters and gatherers who searched outwards from small, permanent winter villages for resources. Their primary vegetable food sources included acorns, juniper berries, seeds, and yucca buds; small game such as rabbits, squirrels, antelope, and deer were also eaten. During the historic period and perhaps before, they likely innovated a paddle and anvil ceramics tradition utilizing dung as a temperature regulator and cow bones (during the historic period only) as temper that survived for at least two centuries until 1900 (Earle and Wiewall 2013).

4.4 Historic Setting (Post-AD 1542)

The following summary provides an overall background to the historic Euro-American occupancy of lands in Antelope Valley and in the vicinity of project API.

4.4.1 Early Explorers

Unlike the coastal areas of California, the Mojave Desert was not intensively explored by the Spanish in early historic times, remaining beyond the limit of Hispanic settlement during the period of Mexican rule. The first visit to the region by the Spanish was made in 1772 by Pedro Fages, who was searching for deserters from the Spanish army (Fages 1775). In 1776, Father Francisco Hermenegildo Garcés traveled the course of the Mojave River across the desert and the mountains westward through the Tejon Pass. This was the first documented use of what was eventually called the Old Spanish Trail, an important transportation route between Southern California and the eastern United States. Other explorers made more regular visits to the Mojave Desert beginning in the mid-1820s. Early explorers included trappers Jedediah Smith and Joseph Walker. Kit Carson, a trapper on Jedediah Smith's 1828 expedition, later served as guide for John C. Frémont's exploratory expedition in 1844 that reached the Antelope Valley by way of the Old Spanish Trail.

4.4.2 The Coming of the Railroad

A number of federally funded geographic surveys to explore and map proposed routes for a transcontinental railroad were implemented in the Antelope Valley in the 1850s. These included surveys by Captain L. Sitgreaves in 1851, Lieutenant Amiel Whipple in 1853–1854, and Edward Fitzgerald Beale in 1857. In advance of issuing railroad grants, most of the Mojave Desert was surveyed by the Government Land Office between 1855 and 1857.

The arrival of the railroad was the catalyst that opened up the Antelope Valley to agricultural settlement and mining. The Southern Pacific Railroad completed its line from San Francisco to Los Angeles via the Antelope Valley in 1876. Train stations located along this route later became the nuclei of local settlement. In 1884, the Atchison, Topeka and Santa Fe Railway completed its line between Chicago and Needles. This line linked up with the Southern Pacific line at the community of Mojave. In 1885, the California Southern Railroad linked San Diego to Barstow. The completion of the railroad lines and associated infrastructure opened up the Mojave Desert to settlers from the east and from coastal areas of Southern California.

Railroads were granted odd-numbered sections within 20 miles on either side of the railroad right-of-way, and sale of these grant lands in the 1880s had a major impact on settlement of the region, resulting in a corridor of settlement parallel to the railroad (Earle 2004:283). The establishment of railroads linking the Midwest to

Los Angeles in 1884 led to a Southern California land boom that included a dramatic increase in settlement in the Antelope Valley (Dumke 1944:17–58). The towns of Lancaster and Palmenthal (Palmdale), both located on railroad grant land, were founded in 1884 and 1886, respectively (Earle 2004:284). The communities of Mojave, Rosamond, Lancaster, Tehachapi, Alpine Springs, Acton, and Ravenna originated as railroad stations, as did Gamba, Bissell, Fluhr, Yucca, Solon, Rich, Amargo, and Kramer (Earle 2004).

Aggressive publicity campaigns by railroad real estate agents sought to attract settlers to railroad grant lands from states east of the Mississippi and from northern Europe during the 1880s and 1890s. Several communities based on a "colony" model were established in the Valley, which led to "a fascinating mix of early planned community development, emigrant town-of-origin marketing, social and religious communitarianism, and the reworking of traditional agricultural practices" (Earle 1998:64–65). Between 1883 and 1895, at least 10 colonies were founded in the Antelope Valley, many along the southern edge of the valley, and it has been estimated that between 12,000 acres and 15,000 acres were taken up by individual colonists.

4.4.3 Homesteading

Under the federal Homestead Act (1862), settlers could acquire up to 160 acres of public land for a nominal filing charge under certain conditions. Prospective settlers were required to establish residency on the claim for a period of 5 years, build a house, and either cultivate crops on at least 20 acres or graze cattle on the land. By 1912, the residency requirement was reduced to 3 years, and settlers were allowed up to 5 months per year of absence from the land. Homestead patents required proof that the patentee had constructed a house measuring at least 10 × 10 feet with at least one (1) door and one (1) window, and that residency was maintained for at least 7 months per year over 3 consecutive years (Robinson 1979:168). The Desert Land Act (1875) was subsequently passed to encourage settling of desert areas for which the Homestead Act was poorly suited. Desert lands were defined as lands exclusive of timberlands and mineral lands that would not produce a crop without irrigation. Under this act, entry could be made on up to 640 acres, on the condition that an irrigation system was established within 2 years of entry. If it could be demonstrated that sufficient water flow for irrigation had been established, the patentee could receive title on payment of the minimum government price. In 1891, the number of acres available under this act was reduced to 360, and the time allowed for reclamation was extended to 4 years. Under an 1891 amendment, 3 dollars per acre had to be expended on irrigation, and one-eighth of the land had to be reclaimed within the allotted time before a patent could be issued (Robinson 1979:170).

Public land, obtained either through homesteading or through a desert land entry, was considerably cheaper than the purchase of railroad land, and many settlers in the Antelope Valley opted to patent land from the public domain. Homesteaders in the Antelope Valley prior to 1900 were attracted to the artesian belt in the vicinity of Lancaster, where subsurface water collected. Many of the artesian wells drilled by homesteaders in the artesian belt did not produce sufficient water flow for irrigation, and the soil was not productive due to high alkalinity. Somewhat more successful was dryland farming of grains, principally barley and winter wheat, in the western part of the valley. Particularly wet winters during the years 1883 to 1892 that resulted in large crop yields persuaded many new settlers to the Antelope Valley that dry farming could be successful (Earle 2004:286).

Drought conditions between 1896 and 1903 brought the burgeoning agricultural development of the Antelope Valley to an end. The severe drought caused many of the homesteads and private land holdings to be abandoned. Many of the colonies also collapsed, and colonists moved away. The population of the valley fell from a total of 1,500–1,600 in the 1890s to 930 in 1900 at the height of the drought (Earle 2004:287).

Following a number of wet years, agricultural development resumed, led by the return of cattle grazing. In addition, abandoned homesteads were returned to the public domain and were again available for homesteading. Technological innovations, including improved drilling methods and the availability of petroleum-distillate pumps, increased the profitability of well-and-pump irrigation. Smaller farms, no larger than 40 acres and devoted to the cultivation of alfalfa, were touted as the future of agricultural development in the valley (Earle 2004:287). In addition, the construction of the Los Angeles Aqueduct was a boon to the region, providing much-needed employment.

During the 1910s, the Antelope Valley experienced a second boom in homesteading due to a series of Homestead Act reforms. Of the 2,113 homestead patents issued in the Los Angeles portion of the Antelope Valley, 75% were issued after 1910 (Earle 2004:289). As noted above, the length of the residency requirement was shortened from 5 years to 3 years, speeding up the patenting process, and homesteaders could now leave their homesteads for up to 5 months of the year, thus allowing them to find outside employment. The Enlarged Homestead Act (1909) allowed for larger homesteads of up to 320 acres for dryland farming. The homesteading boom continued in the Antelope Valley through the 1920s and into the Depression years. Desert land entries were common in the Antelope Valley, as they did not have a residency requirement and were often seen as a stepping-stone to establishing a homestead claim. Up to 320 acres could be obtained under the Desert Land Act, but the entryman was required to irrigate 80 acres, or 25%, of the entry claim. Fraud was widespread with desert land entries, and they were frequently used to claim land on which a Homestead Entry was later submitted (Spinney et al. 2004:81). Irrigation also required an infusion of capital to which many homesteaders did not have access. Many desert land entrymen spent large portions of the year working elsewhere to earn the cash necessary to prove up their claim. Productivity varied from homestead to homestead, depending on soil alkalinity and availability of subsurface water. In spite of the many difficulties inherent in homesteading in this desert environment, many homesteaders succeeded in obtaining title to their land, although a significant proportion failed to do so. In the 1910s, 58% of homestead entries in the Antelope Valley area failed (Earle et al. 1998:175).

The completion of a paved road between the Antelope Valley and Los Angeles in 1921 provided a ready market for produce from the Antelope Valley in the rapidly growing metropolis. The proximity of Antelope Valley to Los Angeles fueled agricultural production through the 1920s. Poultry farming, dairy operations, and fruit production were combined with the cultivation of alfalfa in a more diverse agricultural economy (Earle 2004:291). With an increase in the availability of motor transport, the desert became a recreational area for city dwellers. Motor transport also allowed homesteaders to find employment to supplement their farming income. The Depression years saw a decline in farm production as the price of fruit, alfalfa, and chickens fell by one-half to two-thirds of their original price. During this period, bootlegging became a significant source of income in the valley. Despite the economic decline, the Antelope Valley attracted refugees from urban areas who squatted on vacant land. Homestead entries increased rapidly in the Depression years. The era of homesteading came to a close in 1935, when federal land was withdrawn from further public entry as a result in a shift in the government's focus from settlement of public land to preservation and conservation. While new entries were not permitted, those who had made entry prior to 1935 were allowed to complete the process. Agricultural production began its recovery by 1936 and experienced rapid expansion in the 1940s.

4.4.4 Mining

Mining has long played an important role in the economy of Antelope Valley since the discovery of copper, rich deposits of silver, and gold south of Kramer in 1884. A second mining boom occurred in 1894 after the discovery

of gold at Tropico Hill near Rosamond. Shortly thereafter, gold was also discovered at Soledad Mountain, Standard Mountain, and Rand Mountain. The last big gold rush occurred in the area in 1926, when the Herkelrath brothers discovered gold near Kramer Hills. This led to a rush in mining claims in the region. Districts were established at Kramer, Kramer Hills, Rosamond, Randsburg, Oro Grande, and El Paso. Gold mining practically ceased during World War II by order of the War Production Board. In the early 1940s, there were 1,500 mining claims within the boundaries of Muroc Army Air Field, but most of these were revoked when the U.S. Geological Survey ruled that they contained an insufficient quantity of minerals for extraction.

The mining of mud and clay for the extraction of bentonite, used in the refinement of petroleum products, was carried out in the Buckhorn, Rogers, and Rosamond dry lakebeds. In 1913, borate was discovered in the Kramer area. The town of Amargo (later renamed Boron) developed around the Pacific Coast Borax Company mine. The accidental discovery of oil north of Muroc in 1921 led to increased oil drilling in the Antelope Valley; however, oil drilling was largely abandoned in the valley by 1925. In general, mining operations provided an important alternative employment to homesteaders in Antelope Valley by allowing people to supplement their farming income during lean years. Without this source of employment, the rate of homestead abandonment would have been considerably higher during the 1920s and 1930s.

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5 Research Design

The objective of the evaluation portion of this project was to obtain information from archaeological sites that could be used to evaluate the resource's significance under CEQA. Current research is typically structured in a way that links anthropologically oriented research issues to the archaeological record. The following discussion embraces this strategy and identifies potential questions and appropriate archaeological evidence within a series of broad research themes. General issues pertinent to the assessment of the sites include determination of the extent and integrity of cultural deposits, age and probable affiliation, site function, and subsistence strategies.

5.1 Integrity

Delineation of the horizontal distribution and vertical depth of the site is necessary for an assessment of research potential. Of particular importance is the integrity of the deposits: whether or not features or surfaces are preserved and whether the potential exists for identifying, through analysis, horizontal and vertical spatial patterning in the evidence for past behavior.

Formation processes such as alluvial deposition, erosion, bioturbation, and modern disturbance can considerably affect the integrity and original character of archaeological sites. Here, attempts are made to identify and interpret the processes that formed the site, with particular attention given to the character of post- depositional processes and the extent to which they have affected the integrity of the archaeological deposits.

The recordation and analysis of surface artifacts at several sites were used to address the following issues:

- Does the horizontal and vertical extent of the archaeological record within the sites represent continuous or discrete occupations?
- Is it possible to discern depositional versus post-depositional processes that have contributed to the present condition of the archaeological record at any of the sites? In other words, what are the factors, both natural and anthropogenic, that have altered the position and condition of artifacts from the prehistoric and historic occupations of the sites?
- What kinds of features are potentially preserved at the sites (e.g., structures, hearths, earth ovens)? Are there features that are highly disrupted by postdepositional processes but that are still recognizable? Can these features be associated with particular functions?
- By examining spatial patterns in the horizontal distribution of artifacts, is it possible to discern areas that were associated with specific functions? Do patterns in the vertical distribution of artifacts tell us anything about changes in the function, materials exploited, or human activities at the sites through time?
- Is there evidence of overlapping dump episodes, such as multiple points of concentration or concentration of artifacts of a certain age?

5.2 Chronological Placement

Chronological issues are essential to any archaeological investigation, so several basic questions concerning the temporal data potential of evaluated sites pertain to the current study, including:

- Can the chronological placement of project sites be determined?
- What kinds of chronometric data can project sites provide? Of those obtained during survey, how well do they correlate in terms of the age estimates they provide (e.g., cans vs. bottles).
- Are there data indicating the presence of multiple occupation episodes at project sites?
- Do diagnostic artifacts appear to fit with temporal patterns recognized in the surrounding region? Are there any unique diagnostic items present?
- Can chronometric data from project sites help to refine dating schemes in the local region?

Potential chronometric evidence of the historic sites located within the project APE is primarily obtainable from artifacts with maker's marks, specific can or bottle manufacture styles, or coins. However, it is common for dates of manufacture for a particular artifact to be much broader than those for another artifact class, making a determination for age of consumption for any given class difficult, if not impossible. For this reason, the date of refuse disposal is more pertinent for refuse deposits that are not located at homesites; and this is usually determined by the early manufacture date on the youngest artifact for each dump event. Hale et al. (2010) document a widespread pattern of dumping items of mixed manufacture and consumption age as the result of homesite cleanup and off-site dumping. If refuse deposits are located at a homesite, assessing the age of consumption for historic artifacts is an approximation based on overlapping manufacture dates, taking into account the earliest and latest possible dates. Assemblages that cannot be securely placed chronologically would be less likely to possess a significant research potential. Of course, archival research can provide direct information on the date of construction and occupancy for historic homesites and lands used for agricultural, ranching, or mining.

5.3 Settlement and Site Function

Interpretation of the study sites depends upon an assessment of their places within the larger settlement-subsistence system of their occupants. Sites belonging to functional types that are relatively ubiquitous within the region would be less likely to be considered significant than unusual site types. Sites with evidence of multiple functions may possess richer information content than relatively simple sites; on the other hand, single-function sites may have a greater research potential than multiple-function sites if the residues from the various activities at the latter cannot be effectively differentiated.

Considering historic archaeological sites, the kinds of artifacts present, the activities they represent, and their overall proportions can give some indication of where refuse originated, and why it was abandoned at its place of discard. The main questions for historical archaeological sites are:

- What is the nature of refuse at historic sites? Are proportions of consumptive, household, industrial, and other artifacts substantial enough to derive context of origin(s)?
- Are any maker's marks on historic artifacts indicative of specific places of manufacture? Do they provide any information about where particular goods might have been purchased or otherwise obtained?

These kinds of questions are relevant for understanding the nature of historical occupation, including at homesites, agricultural facilities (i.e., field worker residential areas), and urban neighborhoods. Archival research helps bolster field data by documenting past historical landowners, lease holders, or residents, and by documenting historical changes in the local landscape. While it is virtually impossible to tie historic refuse deposits in some cases to specific homesites or businesses, it is possible to identify potential sources of refuse and make informed assumptions about its origin.

5.4 Subsistence

The issues related to subsistence orientation are interwoven with the previously discussed settlement organization, and this section complements the issues discussed previously.

The primary question to address at historic sites is:

- Are artifacts present that provide information on the kinds of foods consumed (i.e., food cans, glass bottles, etc.)?

The data necessary to address this issue is generally limited to the kinds of food containers and food processing items found at historical archaeological sites.

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6 Methods

This section describes the techniques employed to identify and evaluate archaeological resources within the project API. All methods exceed the Secretary of the Interior's Standards and Guidelines for archaeology, as do all project personnel for their respective roles.

6.1 Inventory

The inventory portion of this archaeological resources investigation consisted of a SCCIC records search of the project API and surrounding 1-mile radius; archival research; correspondence with the NAHC; informal tribal outreach; and an intensive-level pedestrian survey of the project API.

A California Historic Resources Information System records search encompassing the current project API and a 0.5-mile radius was performed by staff at the SCCIC, located on the campus of the California State University, Fullerton, in Fullerton, California on January 26 and 27, 2023. An update to this original records search to incorporate changes to the project footprint and to encompass a 1-mile radius was completed by Dudek archaeologist Brenda Rogers at the SCCIC on November 6, 2024. The purpose of the records search is to identify any previously recorded cultural resources that may be located in or adjacent to the project API and to identify previous studies in the project vicinity. In addition to a review of previously prepared DPR site forms and reports, the records search also included a review of historical maps of the project API, ethnographies, the NRHP, the CRHR, the California Historic Property Data File, and the lists of California State Historical Landmarks, California Points of Historical Interest, and Archaeological Determinations of Eligibility. Records search results are provided in Section 7.

Archival research consisted of reviewing historic topographic maps (Smith and Huang 2024), historic aerial photographs (Smith and Huang 2024), and U.S. Department of Agriculture soil survey maps (USDA 2025). No local archaeological societies or museums were identified or contacted during archival research efforts in support of the current study. Archival research results are provided in Section 7.

Dudek requested a NAHC search of the Sacred Lands File (SLF) for the project API and a 0.5-mile radius on January 13, 2023, and for the project API and a 1-mile radius on December 30, 2024. The SLF consists of a database of known Native American resources. These resources may not be included in the SCCIC database. The NAHC replied via email on January 27, 2023, and January 16, 2025, respectively, stating that the SLF search was completed with negative results. Along with the results of the SLF search, the NAHC provided a list of Native American tribes and individuals/organizations with traditional geographic associations that might have knowledge of cultural resources in the area. Informal tribal outreach letters were mailed on January 15 and 20, 2025 to all California Native American Tribal representatives included on the NAHC contact lists. Results of these efforts are provided in Section 7.

Dudek archaeologists Jessica Colston, Phillip Sharp-Garcia, and Shane McDonnell conducted an intensive-level archaeological resources pedestrian survey of a large portion of the project API on February 1 and 2, 2023. Dudek archaeologists Jessica Colston and Brenda Rogers re-surveyed many portions of the project API and conducted an intensive-level archaeological resources pedestrian survey of additional, newly incorporated portions of the project API from November 18 to 20, 2024. Jessica Colston and Roshanne Bakhtiary conducted an intensive-level archaeological resources pedestrian survey of the SCE-owned portions of the project API on February 25, 2025. In

total, the Archaeological Survey Area encompassed approximately 321 acres as delineated in Figure 3 (Archaeological Survey Area). Each pedestrian survey employed standard archaeological procedures and techniques consistent with the Secretary of the Interior's Standards and Guidelines for archaeology. When possible, 15-meter interval survey transects were conducted, oriented in north–south cardinal directions. Where visible, the ground surface was examined for prehistoric artifacts (e.g., flaked stone tools, tool-making debris, stone milling tools, ceramics, fire-affected rock), soil discoloration that might indicate the presence of a cultural midden, soil depressions, features indicative of the current or former presence of structures or buildings (e.g., standing exterior walls, post holes, foundations), and historic artifacts (e.g., metal, glass, ceramics, building materials). Ground disturbances such as rodent/reptile burrows, cut banks, and drainages were also visually inspected for exposed subsurface materials. Evidence for buried archaeological deposits was opportunistically sought through inspection of natural or artificial erosion/excavation exposures and the spoils from rodent burrows. Areas of the project that contained a greater than 30% slope were not surveyed due to safety concerns and their general lack of suitability for containing archaeological resources. Results of the pedestrian survey are provided in Section 7.

A Global Navigation Satellite System receiver with sub-meter accuracy along with an 11th Generation Apple iPad equipped with georeferenced PDF maps of the project API were used to verify the accuracy of the survey coverage and facilitate in-field recording.

A minimum density of three or more artifacts in a 25-meter (82-foot) squared area constituted an archaeological site, as with the presence of any feature (i.e., concrete foundation). Any separation of 50 meters (164 feet) squared or more between artifacts was considered justification for delineation of a site boundary. A temporary site number was assigned to all newly identified archaeological resources that met the definition of an archaeological site. Isolated finds consisting of fewer than three artifacts within a 25-meter squared area were recorded separately from sites, including the use of a different numbering scheme. Any previously recorded archaeological sites located within the project API were field checked and documented as appropriate. Additionally, a metal detector was used to perform cardinally oriented transects radiating out from the central portion of each site to determine the potential for buried deposits.

Location-specific photographs were taken using an 11th Generation Apple iPad equipped with 8 mega-pixel resolution. All field notes, photographs, and records related to the current study are on file at Dudek's Mission Viejo, California office. All resources were recorded in their entirety on DPR site forms, using the Instructions for Recording Historical Resources (OHP 1995).

6.2 Significance Evaluations

11 archaeological resources were identified within the project API during inventory efforts that required formal evaluation for listing on the CRHR and for significance under CEQA and local regulations. 10 of the archaeological resources are characterized as surficial historic-era refuse scatters, while ABS-JC-S-04 is characterized as a shallow depression containing historic-era refuse. The majority of these resources likely represent single dumping episodes as indicated by their localized concentration of mostly contemporaneous domestic refuse and food waste items. Through the use of remote sensing (metal detection), it has been determined that these resources are unlikely to contain associated subsurface archaeological deposits. Therefore, significance evaluations for all resources were conducted using data obtained from the recordation of artifacts identified on the ground surface. See Table 2 for a list of all archaeological resources subject to significance evaluations as part of the current study. Results of these efforts are provided in Section 8.

Table 2. Archaeological Resources Subject to Significance Evaluation

Resource ID	Resource Description	Buried Potential	Level of Effort for Evaluation
P-19-101014	Historic-era refuse scatter	Unlikely	Surface recordation
ABS-PK-S-01	Historic-era refuse scatter	Unlikely	Surface recordation
ABS-PK-S-02	Historic-era refuse scatter	Unlikely	Surface recordation
ABS-PK-S-03	Historic-era refuse scatter	Unlikely	Surface recordation
ABS-JC-S-01	Historic-era refuse scatter	Unlikely	Surface recordation
ABS-JC-S-02	Historic-era refuse scatter	Unlikely	Surface recordation
ABS-JC-S-03	Historic-era refuse scatter	Unlikely	Surface recordation
ABS-JC-S-04	Shallow depression containing historic refuse	Unlikely	Surface recordation
ABS-JC-S-05	Historic-era refuse scatter	Unlikely	Surface recordation
ABS-BR-S-01	Historic-era refuse scatter	Unlikely	Surface recordation
ABS-RB-S-01	Historic-era refuse scatter	Unlikely	Surface recordation

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7 Results

This section presents the results of the SCCIC records search, archival research, correspondence with the NAHC, informal tribal outreach, and intensive-level pedestrian survey of the project API in support of the currently proposed project.

7.1 Records Search

7.1.1 Previously Conducted Cultural Resources Studies

The SCCIC records search identified 50 previous cultural resources studies that have been conducted within a 1-mile radius of the project API. Of these studies, 22 intersect with the project API (Table 3). These include 12 cultural resources inventories, six (6) archaeological resources inventories, one (1) archaeological and paleontological resources inventory, one (1) records search report, one (1) archaeological resources monitoring report, and one (1) evaluation report. Relevant reports are discussed in further detail below Table 3. Approximately 30% of the project API has been subject to past cultural resources investigations. See Appendix B for the complete SCCIC records search results and associated documentation.

Table 3. Previous Cultural Resource Studies that Intersect the Project API

Report ID	Year	Author	Title
Intersects Project API			
LA-00680	1979	Barker, James P.	An Archaeological Sampling of the Proposed Allen-warner Valley Energy System, Western Transmission Line Corridors, Mojave Desert, Los Angeles and San Bernardino Counties, California and Clark County, Nevada
LA-00962	1980	Robinson, R. W.	Cultural Resources Investigation Re: Parcel Map No. 12240
LA-01585	1986	Weil, Edward B.	City of Los Angeles Department of Water and Power Vincent Substation Loop-in Project Cultural Resource Records Check and Field Survey Results
LA-03017	1994	Gibson, Robert O.	Results of Archaeological Records Check for the Mojave Alternatives of the Pacific Pipeline Project Los Angeles County, California
LA-03705	1969	Coleman, R.G., J. Jones, and T.F. King	An Archaeological Reconnaissance of Southern California Edison Company's Vincent Transmission, From Bakersfield to Glendale, California
LA-04008	1996	Unknown	Cultural Resources Investigation Pacific Pipeline Emidio Route
LA-07940	2005	Schmidt, June A.	DWO 6036-4800, AI #5-4834: 2005 Deteriorated Pole Replacement Project Pick B-1 and C-2; Bootlegger A-3, B-3, C-2, and C-3; Leona A-1; Titan C-3; Calli Valli D-1; Acrobat A-2; Target B-1; and Dennis 12 kV Distribution Lines, Los Angeles County

Table 3. Previous Cultural Resource Studies that Intersect the Project API

Report ID	Year	Author	Title
Intersects Project API			
LA-08179	2006	Ahmet, Koral, Roger Mason and Sara Bholat	Cultural Resources Survey Report for Antelope Transmission Project: Segments 2 & 3, Los Angeles and Kern Counties
LA-09705	2007	Anonymous	Cultural Resources Inventory of the Southern California Edison Company Tehachapi Renewable Transmission Project, Kern, Los Angeles and San Bernardino Counties, California. ARR #05-01-01046
LA-09755	2009	Gust, Sherri, Veronica Harper, and Amy Glover	Supplemental Archaeological and Paleontological Resources Assessment, Sagebrush 220 kV Transmission Line Modification (Segment 2, Tehachapi Renewable Transmission Project), Los Angeles County, California
LA-10175	2009	Unknown	Confidential Cultural Resources Specialist Report for the Tehachapi Transmission Project
LA-10470	2010	Schmidt, James	Archaeological Monitoring Report - Southern California Edison Station Fire Emergency Transmission Line Road Maintenance Project, Angeles National Forest, Los Angeles County, California ARR #05-01-1154
LA-11869	2010	Holm, Lisa	Cultural Resources Survey for the M76-T5 Access Roads, Segment 5 Tehachapi Renewable Transmission Project, Los Angeles County, California
LA-11873	2010	Holm, Lisa	TRTP Cultural Resources Survey Report with Negative Findings, Segment 5 Removal of Conductor between Existing Antelope-Mesa 220 kV towers M76-T4 and M76-T5, Los Angeles County, California
LA-11987	2010	Schneider, Tsim	TRTP Negative Archaeological Survey Report, Tehachapi Renewable Transmission Project, Cultural Resources Survey Report with Negative Findings, Segment 9 Vincent Substation Expansion and Foreston Drive Realignment, Los Angeles County, California
LA-12527	2010	Panich, Lee, Stephanie Cimino, and John Holson	Supplemental Archaeological Survey Report #1, Tehachapi Renewable Transmission Project Segment 5, Los Angeles County, California
LA-12528	2010	Schneider, Tsim and John Holson	Supplemental Archaeological Survey Report #2, Tehachapi Renewable Transmission Project Segment 5, Los Angeles County, California
LA-12548	2010	Greenberg, Marc, Tsim Schneider, and John Holson	Supplemental Archaeological Survey Report Tehachapi Renewable Transmission Project Segment 6, Los Angeles County, California
LA-12807	2014	Tennesen, Kristin	Cultural Resources Survey for the Vincent Station Siding Extension and Second Platform Project, Acton, California, Los Angeles County
LA-12833	2013	Jackson, Thomas	Evaluation of National Register of Historic Places and California Register of Historical Resources Eligibility of Archaeological Site CA-LAN-2546, Southern California

Table 3. Previous Cultural Resource Studies that Intersect the Project API

Report ID	Year	Author	Title
Intersects Project API			
			Edison Company Tehachapi Renewable Transmission Project, Segment 6 Los Angeles County, California
LA-12838	2014	Greenberg, Marc	Segment 11C Supplemental Survey in Support of a Variance Request for Additional Pullouts and Spur Roads, Tehachapi Renewable Transmission Project, Los Angeles County, California
LA-12840	2014	Greenberg, Marc	Segment 11C Supplemental Survey for TEWS for Construct 03 Access Road, Tehachapi Renewable Transmission Project, Los Angeles County, California

Notes: TRTP = Tehachapi Renewable Transmission Project.

LA-12548

A supplemental archaeological survey report was prepared for the Tehachapi Renewable Transmission Project Segment 6 in 2011 by Pacific Legacy, Inc. This report was a supplement to an initial archaeological inventory for the Tehachapi Renewable Transmission Project and included a records search, literature review, pedestrian survey, and the documentation of previously identified archaeological resources and newly discovered archaeological resources that intersected with the Segment 6 project area. Overall, the pedestrian survey identified eight (8) previously recorded archaeological resources and another nine (9) newly discovered archaeological resources within the Segment 6 project area, one (1) of which was P-10-101014. Though P-19-101014 was originally recorded as part of this study, no further investigations were completed, including evaluating P-19-101014's eligibility for listing on the CRHR/NRHP. Overall, the Segment 6 study area overlaps with less than 5% of the currently proposed project API. Management recommendations for the project included the evaluation of all resources identified within the Segment 6 project area if avoidance was not feasible, as well as the implementation of inadvertent discovery protocols for archaeological resources and huma remains during project construction (Greenberg et al. 2011).

7.1.2 Previously Recorded Cultural Resources

The SCCIC records search identified three (3) previously recorded cultural resources within the project API: P-19-002893 (abandoned Southern Pacific Railway segment), P-19-101014 (can isolate), and P-19-192581 (Antelope-Mesa 220 kV Transmission Line). An additional 28 previously recorded cultural resources were identified within a 1-mile radius of the project API (Table 4). These include 13 historic-era refuse scatters, four (4) prehistoric isolates, two (2) lithic and groundstone scatters, two (2) historic-era isolates, two (2) built environment structures, one (1) prehistoric hearth feature, one (1) prehistoric bedrock milling feature, one (1) collapsed wooden structure with an associated refuse scatter, the Angeles National Forest, and the Angeles Forest Highway.

P-19-002893 and P-19-101014 are described in further detail below Table 4. P-19-192581 and all other built environment resources recorded and evaluated as part of this project are addressed in the *Built Environment Inventory and Evaluation Report* prepared by Dudek in 2025 (Ahmanson et al. 2025). See Appendix B for the complete SCCIC records search results and associated documentation, and Appendix C for a Cultural Resources

Overview Map that depicts all previously recorded and newly identified (as part of Dudek's inventory and evaluation efforts) cultural resources within a 1-mile radius of the proposed project.

Table 4. Previously Recorded Cultural Resources within 1 Mile of Project API

Primary Number	Trinomial	Age	Type	Description	Eligibility for CRHR/NRHP
Intersects Project API					
P-19-002893	CA-LAN-002893H	Historic	Site	Abandoned segment of the Southern Pacific Railroad	Recommended ineligible for NRHP
P-19-101014	—	Historic	Isolate	Can isolate	Categorically Ineligible for CRHR/NRHP
P-19-192581	—	Historic	Engineering structure	Antelope-Mesa 220 kV Transmission Line	Recommended ineligible for CRHR/NRHP
Outside of Project API					
P-19-002414	CA-LAN-002414	Prehistoric	Site	Lithic and groundstone scatter	Not evaluated
P-19-002415	CA-LAN-002415	Prehistoric	Site	Lithic and groundstone scatter	Not evaluated
P-19-002459*	CA-LAN-002459H	Historic	Site	San Gabriel Dam Construction Camp Bldg. FC143	Unknown
P-19-002546	CA-LAN-002546	Prehistoric	Site	Hearth feature	Recommended ineligible for CRHR/NRHP
P-19-002561	CA-LAN-002561H	Historic	Site	Refuse scatter	Unknown
P-19-002907	CA-LAN-002907H	Historic	Site	Refuse scatter	Unknown
P-19-002908	CA-LAN-002908H	Historic	Site	Refuse scatter	Unknown
P-19-003116	CA-LAN-003116H	Historic	Site	Borrow pits with associated refuse scatter	Unknown
P-19-003124	CA-LAN-003124	Prehistoric	Isolate	Lithic isolate	Categorically Ineligible for CRHR/NRHP
P-19-003308	CA-LAN-003308H	Historic	Site	Refuse scatter	Determined ineligible for NRHP
P-19-003458	CA-LAN-003458H	Historic	Site	Refuse scatter	Unknown
P-19-003536	CA-LAN-003536H	Historic	Site	Refuse scatter	Unknown
P-19-003729	CA-LAN-003729H	Historic	Site	Refuse scatter	Recommended ineligible for CRHR/NRHP
P-19-003730	CA-LAN-003730H	Historic	Site	Refuse scatter	Unknown

Table 4. Previously Recorded Cultural Resources within 1 Mile of Project API

Primary Number	Trinomial	Age	Type	Description	Eligibility for CRHR/NRHP
P-19-003731	CA-LAN-003731	Prehistoric	Site	Bedrock milling feature	Unknown
P-19-003732	CA-LAN-003732H	Historic	Site	Collapsed wooden structure with associated refuse scatter	Recommended ineligible for CRHR/NRHP
P-19-003733	CA-LAN-003733H	Historic	Site	Refuse scatter	Recommended ineligible for CRHR/NRHP
P-19-003938	CA-LAN-003938H	Historic	Site	Refuse scatter	Determined ineligible for CRHR/NRHP
P-19-004335	CA-LAN-004335H	Historic	Site	Refuse scatter	Recommended ineligible for CRHR/NRHP
P-19-004470	CA-LAN-004470H	Historic	Site	Refuse scatter	Unknown
P-19-100576*	—	Historic	Isolate	Glass insulator	Categorically Ineligible for CRHR/NRHP
P-19-100758	—	Prehistoric	Isolate	Core fragment	Categorically Ineligible for CRHR/NRHP
P-19-101018	—	Historic	Isolate	Bottle fragment	Categorically Ineligible for CRHR/NRHP
P-19-101021	—	Prehistoric	Isolate	Metate fragment	Categorically Ineligible for CRHR/NRHP
P-19-101359	—	Prehistoric	Isolate	Obsidian biface fragment	Categorically Ineligible for CRHR/NRHP
P-19-186535	—	Historic	Plaque	Angeles National Forest	California Historical Landmark
P-19-186876	—	Historic	Engineering structure	SCE Eagle Rock-Pardee Transmission Line	Recommended ineligible for CRHR/NRHP
P-19-187713	—	Historic	Highway	Angeles Forest Highway	Recommended ineligible for CRHR/NRHP

Note:
* PDF not on file at SCCIC

P-19-002893

P-19-002893 is characterized as an abandoned segment of the Southern Pacific Railroad grade through Soledad Canyon. This resource was first recorded in 2000 by SWCA Environmental Consultants and recommended ineligible for listing on the NRHP. At time of recordation, P-19-002893 consisted of imported stone, several railroad ties in secondary context, two water culverts (one dated to 1937) and a cement signal stand. This resource was revisited in 2013 by HDR. HDR was able to revisit all previously identified components, however indicated that the original mapping by SWCA in 2000 appeared to be incorrect (Purcell 2000).

P-19-101014

P-19-101014 is characterized as an isolated can scatter consisting of a three-tab seam, church key opened, steel beer can, a crushed painted label oil can, and additional cans noted upslope adjacent to the SCE Vincent Substation. This resource was first recorded in 2011 by Pacific Legacy, Inc. in support of the Tehachapi Renewable Transmission Project (Greenberg and Schrader 2011). Isolates are categorically ineligible for listing on the CRHR and do not meet the criteria to be considered significant or unique archaeological resources under CEQA.

7.2 Archival Research

7.2.1 Review of Historic Topographic Maps

Table 5 provides a summary of the historic topographic map review conducted for the BESS facility. This table has been modified from the *Phase I Environmental Site Assessment: Prairie Song Reliability Project* prepared by Dudek in 2024 (Smith and Huang 2024: 19-20).

Table 5. Summary of Historic Topographic Maps

Date	BESS Facility (APNs 3056-017-007, -020, 021; 3056-019-013, -026, -037, and -040)	Adjoining and Surrounding Properties
1900	The project site is depicted as vacant, undeveloped land. An east–west-trending light-duty road and a wide wash are depicted through the center of the site.	The adjoining and surrounding areas are depicted as vacant, undeveloped land. A northeast–southwest trending railroad is depicted to the north. A few light-duty roads are depicted throughout the adjoining and surrounding area.
1934	The light-duty road and wide wash are no longer depicted on the site. A tank and a well are depicted on the site. Narrow washes are depicted in the southwest and northwest portions of the site. Unimproved roads are depicted in the northwestern and northeastern portions of the site. A structure is depicted along the eastern border of the site.	Two wells and a patrol station are depicted north of the site. East–west trending Highway 6 and Soledad Canyon are depicted north of the project site. Additional roadways and narrow washes are depicted throughout the surrounding area.
1939	The site is depicted similarly to the 1934 topographic map.	The adjoining and surrounding areas are depicted similarly to the 1934 topographic map.

Table 5. Summary of Historic Topographic Maps

Date	BESS Facility (APNs 3056-017-007, -020, 021; 3056-019-013, -026, -037, and -040)	Adjoining and Surrounding Properties
1940	The tank and the well are no longer depicted on the site. The narrow wash in the southwestern portion is no longer depicted on the site.	The two wells are no longer depicted north of the project site. Additional structures are depicted on the surrounding properties to the north.
1947	The structure along the eastern border is now depicted outside of the site boundary. The remaining site is depicted similarly to the 1940 topographic map.	A structure is depicted on the eastern-adjoining property. The remaining adjoining and surrounding areas are depicted similarly to the 1940 topographic map.
1948	The site is unmapped.	Most of the adjoining and surrounding properties are unmapped.
1959	The site is depicted similarly to the 1947 topographic map.	Kentucky Springs Canyon is depicted on the adjoining and surrounding property to the north. Additional roadways and structures are scattered throughout the surrounding area.
1974, 1978	The site is depicted similarly to the 1959 topographic map.	Highway 6 has been expanded to have several on-/off-ramps connecting to the highway and is renamed Highway 14. A substation is now depicted northeast of the project site. Two structures are depicted on the southwestern adjoining property. Additional buildings and unimproved roads have appeared in the areas surrounding the project site.
1991, 1994	The site is depicted similarly to the 1974/1978 topographic map.	The adjoining and surrounding areas are depicted similarly to the 1974/1978 topographic map.
1995	A structure is depicted in the western portion of the site. A roadway is depicted along the western border of the site.	Additional structures and roads are depicted in the areas surrounding the project site.
2012	Structures are no longer depicted on the topographic map.	Structures and power transmission lines are no longer depicted on the topographic map.
2015	The site is depicted similarly to the 2012 topographic map.	Changes to road layouts are depicted in areas surrounding the site.
2018	The site is depicted similarly to the 2015 topographic map.	The adjoining and surrounding areas are depicted similarly to the 2015 topographic map.
2022	The site is depicted similarly to the 2018 topographic map.	The adjoining and surrounding areas are depicted similarly to the 2018 topographic map.

Notes: BESS = battery energy storage system; APN = Assessor's Parcel Number.

7.2.2 Review of Historic Aerial Photographs

Table 6 summarizes the review of the historic aerials photographs that cover the BESS facility (Smith and Huang 2024: 17–18).

Table 6. Summary of Historic Aerial Photographs

Date	BESS Facility (APNs 3056-017-007, -020, 021; 3056-019-013, -026, -037, and -040)	Adjoining and Surrounding Properties
1928	The site appears largely undeveloped. An east–west-trending wide wash is observed in the northwest portion of the site. A narrow wash is observed in the southwestern corner of the site. Two roads are observed on the northern half of site. Vegetation that appears to be bushes and shrubs sparsely covers the entirety of the site.	Undeveloped land is observed on all adjoining and surrounding properties. A road and railroad are observed northwest of the site. A few narrow washes and dirt roads/trails are observed throughout the surrounding area. Vegetation that appears to be bushes and shrubs sparsely covers the adjoining and surrounding properties.
1940	The site appears similar to the 1928 aerial photograph.	The adjoining and surrounding areas appear similar to the 1928 aerial photograph.
1954	The site appears similar to the 1940 aerial photograph.	The adjoining and surrounding areas appear similar to the 1940 aerial photograph.
1968	A cleared area is observed in the western portion of the project site. A north–south-trending road is observed along a portion of the western border.	Rural residential/farming structures are observed on the western- and eastern-adjoining properties. Additional residential/farming structures are observed to the south. Additional roads appear throughout the adjoining and surrounding properties.
1974	The site appears similar to the 1968 aerial photograph.	The adjoining and surrounding areas appear similar to the 1968 aerial photograph.
1976	The site appears similar to the 1974 aerial photograph.	The adjoining and surrounding areas appear similar to the 1974 aerial photograph.
1983	A small, cleared area is observed along the eastern border of the site, associated with the eastern-adjoining structure. The site appears similar to the 1976 aerial photograph.	Additional residential/farming structures are observed adjoining the subject property to the northeast and west and also on the surrounding property to the south.
1989	A residential area is observed in the western portion of the site. A graded area associated with structures on the eastern adjoining property is observed along the eastern border.	The northeastern- and western-adjoining areas are further developed with additional structures and grading. The remaining adjoining and surrounding areas appear similar to the 1983 aerial photograph.
1994	A few additional roads are observed throughout the site.	Additional structures are observed on the western adjoining property. The remaining adjoining and surrounding areas appear similar to the 1989 aerial photograph.
2002	Additional structures are observed in the western portion of the site.	Additional development is observed on the eastern and western-adjoining properties. The remaining adjoining and surrounding areas appear similar to the 1994 aerial photograph.
2005	The site appears similar to the 2002 aerial photograph.	The adjoining and surrounding areas appear similar to the 2002 aerial photograph.
2009	Additional structures are observed in the western portion of the site. The remaining	The adjoining and surrounding areas appear similar to the 2005 aerial photograph.

Table 6. Summary of Historic Aerial Photographs

Date	BESS Facility (APNs 3056-017-007, -020, 021; 3056-019-013, -026, -037, and -040)	Adjoining and Surrounding Properties
	site appears similar to the 2005 aerial photograph.	
2012	The site appears similar to the 2009 aerial photograph.	The adjoining and surrounding areas appear similar to the 2009 aerial photograph.
2016	The site appears similar to the 2012 aerial photograph.	The adjacent and surrounding areas appear similar to the 2012 aerial photograph.
2020	The site appears similar to the 2016 aerial photograph.	The adjacent and surrounding areas appear similar to the 2016 aerial photograph.
2023	The site appears similar to the 2020 aerial photograph.	The adjacent and surrounding areas appear similar to the 2020 aerial photograph

Notes: BESS = battery energy storage system; APN = Assessor's Parcel Number.

7.2.3 Review of Geomorphological Context

According to the U.S. Department of Agriculture Natural Resources Conservation Services, several soil types are mapped within the project API. Official U.S. Department of Agriculture soil descriptions for the soil types identified within the project API are provided below (USDA 2025).

- Hanford coarse sandy loam, 2% to 9% slopes, is present within 27% of the project API. Hanford coarse sandy loams generally occur in settings with alluvial fans deriving from granite and are found in areas with elevations ranging from 2,390 feet to 4,200 feet amsl.
- Terrace escarpments are present within 24% of the project API and are characterized by their high percent of slope, which in general, are not suitable for sustaining buried archaeological deposits.
- Hanford coarse sandy loam, 0% to 2% slopes, is present within 17% of the project API. Hanford coarse sandy loams generally occur in settings with alluvial fans deriving from granite and are found in areas with elevations ranging from 2,390 feet to 4,200 feet amsl.
- Greenfield sandy loam, 2% to 9% slopes, is present within 14% of the project API. Greenfield sandy loams generally occur in settings with alluvial fans and terraces deriving from granite and are found in areas with elevations ranging from 2,600 feet to 4,200 feet amsl.
- Hanford sandy loam, 2% to 9% slopes, is present within 17% of the project API. Hanford sandy loams generally occur in settings with alluvial fans deriving from granite and are found in areas with elevations ranging from 2,600 feet to 4,200 feet amsl.

The U.S. Department of Agriculture's soil types mapped within the project API demonstrate that alluvial soils are present, which have the potential to support the presence of buried archaeological resources. These soils are associated with the period of prehistoric human use, as well as represent ongoing processes of development that have potential to preserve cultural material in context, depending on area-specific topographical setting.

7.3 NAHC and Tribal Correspondence

Both of Dudek's NAHC SLF search requests yielded negative results for Native American cultural resources within a 0.5-mile and 1-mile radius of the project API. Along with the results of the SLF search, the NAHC provided a list of Native American tribes and individuals/organizations with traditional geographic associations that might have knowledge of cultural resources in the area. Informal tribal outreach letters were mailed on January 15 and 20, 2025 to all California Native American Tribal representatives included on the NAHC contact lists. These letters attempted to solicit additional information relating to Native American cultural resources that may be impacted by the project. Native American Tribal representatives were requested to define a general area where known resources intersect the project API. To date, Dudek has received three responses to this information request. These responses are paraphrased below:

> Raylene Borrego of the Yuhaaviatam of San Manuel Nation (formerly San Manuel Band of Mission Indians) responded on January 21, 2025. Ms. Borrego's response indicated that the project API is considered highly culturally sensitive to the Yuhaaviatam of San Manuel Nation (Yuhaaviatam), and that the Yuhaaviatam wish to engage with the CEC in Government-to-Government consultation pursuant to AB 52.
>
> Jill McCormick of the Quechan Tribe of the Fort Yuma Reservation responded on January 28, 2025. Ms. McCormick indicated that the Quechan Tribe of the Fort Yuma Reservation does not wish to comment on the project.
>
> Eunice Ambriz of the Yuhaaviatam responded on January 29, 2025. In her email, Ms. Ambriz requested Dudek provide a project map set in aerial view. Dudek responded to Ms. Ambriz on February 10, 2025, with the requested map set.

Dudek conducted a virtual follow-up meeting with the Yuhaaviatam for purposes of informal information gathering and tribal outreach efforts. The meeting took place on February 13, 2025. In attendance was Kristin Tuotso (Yuhaaviatam Tribal Archaeologist), Eunice Ambriz (Yuhaaviatam Cultural Resources Technician) and Roshanne Bakhtiary (Dudek Archaeologist). During the meeting, Dudek provided a review of the project API and the project design and discussed Dudek's inventory efforts to date, including the results of the SCCIC records search and NAHC SLF search. After a review of all available project documents, both Ms. Tuotso and Ms. Ambriz expressed interest in the project requiring mitigation measures for the inadvertent discovery of Native American cultural resources and human remains. The Yuhaaviatam also indicated that they intend to proceed with Government-to-Government AB 52 consultation with the CEC for the project. No additional information was provided during this meeting to support the presence of specific, geographically defined TCRs that could be affected by project-related construction or operation. See Appendix D for all NAHC documentation and tribal correspondence to date.

This correspondence was conducted for informational purposes only and does not constitute formal Government-to-Government consultation. In compliance with AB 52, the CEC, as lead agency, is responsible for conducting Government-to-Government consultation with tribal entities.

7.4 Pedestrian Survey

Dudek archaeologists Jessica Colston, Phillip Sharp-Garcia, Shane McDonnell, Brenda Rogers and Roshanne Bakhtiary conducted intensive-level archaeological resources pedestrian surveys of the project API in February 2023, November 2024, and February 2025. The Archaeological Survey Area encompassed the entire project API as well as all APNs identified within the project description as shown in Figure 3 (Archaeological Survey Area). This totaled approximately 321 acres. Ground surface visibility throughout the API ranged from poor to excellent. Poor ground surface visibility (0% to 25%) was observed throughout approximately 30% of the project API due to dense vegetation, and in some instances, the presence of road base (Exhibit 1). Fair (25% to 50%) to good (50% to 75%) ground surface visibility was observed within seasonal drainages, on terraces, and adjacent to the SCE Vincent Substation and accounted for approximately 50% of the project API (Exhibit 2). Excellent (75% to 100%) ground surface visibility was observed within unpaved access roads, transmission tower corridors, and alluvial washes and accounted for the remainder of the project API (20%) (Exhibit 3). Vegetation throughout the project API consisted of various species of invasive grasses, creosote (*Larrea tridentata*), juniper (*Juniperus* spp.), golden cholla (*Cylindropuntia echinocarpa*), chamise (*Adenostoma fasciculatum*), manzanita (*Arctostaphylos spp.),* coyote brush (*Baccharis pilularis*), scrub oak (*Quercus berberidifolia*), sage (*Saliva* spp.) and yucca (*Yucca* spp. or *Hesperoyucca* sp.). Throughout the project API there was evidence of modern dumping, vehicle overland travel, and other disturbances associated with the construction and operation of the SCE Vincent Substation and various residential properties. During these intensive-level pedestrian survey efforts, crews re-visited two previously recorded archaeological resources and recorded an additional 10 newly identified archaeological resources within the project API. DPR site forms were prepared for all resources and will be submitted to the SCCIC of the California Historic Resources Information System at California State University, Fullerton. The DPR site forms are included in Confidential Appendix E.

7.4.1 Previously Recorded Resources

P-19-002893

P-19-002893, an abandoned segment of the Southern Pacific Railroad, was revisited by Dudek archaeologists in February 2023 and November 2024. While the original mapping of P-19-002893 by SWCA places the segment within the project API, 2013 mapping by HDR places the segment outside of the project API.

Dudek's survey efforts to re-locate the resource concur with HDR's updated mapping of P-19-002893 as existing outside the project API (Purcell 2000). Metal detecting efforts conducted in 2024 also failed to identify any buried metal components of the railroad segment within the project API (negative scan). No additional efforts to record and/or evaluate this resource were conducted as part of the current study.

P-19-101014

P-19-101014, originally recorded as a can scatter isolate, was revisited by Dudek archaeologists in February 2025. Dudek relocated both previously recorded artifacts (one [1] church key opened steel beer can, and one [1] crushed yellow church key opened SAE 20 motor oil can) and recorded two additional internal side seam cans measuring 4.75 inches in height by 3 inches in diameter within the immediate vicinity. P-19-101014 measures approximately 5 meters north/south (N/S) by 5 meters east/west (E/W).

P-19-101014 is located at the base of a very steep activity eroding terrace escarpment with slopes ranging from 45° to 60° and is adjacent to the proposed gen-tie corridor. Upslope from the resource is a dirt access road. Metal detecting efforts conducted in 2025 failed to identify any buried metallic components within and adjacent to the newly recorded boundaries of P-19-101014 (negative scan).

7.4.2 Newly Identified Resources

ABS-PK-S-01

Dudek recorded ABS-PK-S-01 in February 2023 and revisited the resource in November 2024. ABS-PK-S-01 is characterized as a sparse historic-era refuse scatter consisting of a concentration of seven (7) solder top cans, three (3) miscellaneous food cans, church key opened, two (2) friction seal cans, two (2) screw top rectangular oil cans, one (1) coffee can, and one (1) large metal drum measuring approximately 22.5 inches in length by 18 inches in diameter (Concentration 1). Outside of this concentration and scattered throughout the vicinity are an additional five (5) miscellaneous bi-metal beverage cans, two (2) 1-gallon screw top rectangular oil cans, two (2) friction side seam 16-ounce condensed milk cans, one (1) bi-metal coffee can, one (1) bi-metal pull tab can, one (1) screw cap, one (1) colorless Owen's Illinois diamond marked glass bottle base, one (1) battery terminal, one (1) hole-in-top side crimped can, one (1) potted meat can, and one (1) amber Owen's Illinois marked bottle base. ABS-PK-S-01 measures approximately 35 meters (N/S) by 72 meters (E/W).

ABS-PK-S-01 is located on an actively eroding terrace escarpment with slopes ranging from 10° 30°, is directly south of a residential property, and is located within the proposed BESS facility footprint. There are multiple ephemeral drainages running across the extent of the resource in a general N/S axis. Metal detecting efforts conducted in 2024 failed to identify any buried metallic components within and adjacent to the recorded boundaries of ABS-PK-S-01 (negative scan).

ABS-PK-S-02

Dudek recorded ABS-PK-S-02 in February 2023 and revisited the resource in November 2024. ABS-PK-S-02 is characterized as a sparse and diffuse historic-era refuse scatter consisting of three (3) solder dot cans, two (2) amber glass vases, three (3) colorless glass bases (no marks), one (1) colorless glass bottle base marked "NW", one (1) colorless glass insulator fragment marked "Armstrong's T.W.", and multiple piles of shattered modern glass. ABS-PK-S-02 measures approximately 57 meters (N/S) by 50 meters (E/W).

ABS-PK-S-02 is located on an actively eroding terrace escarpment with slopes ranging from 10° to 20° and is directly east of a seasonal drainage, west of an informal dirt roadway, and south of a residential property. ABS-PK-S-02 is located within the proposed BESS facility footprint. Metal detecting efforts conducted in 2024 failed to identify any buried metallic components within and adjacent to the recorded boundaries of ABS-PK-S-02 (negative scan).

ABS-PK-S-03

Dudek recorded ABS-PK-S-03 in February 2023 and revisited the resource in November 2024. ABS-PK-S-03 is characterized as a historic-era refuse scatter consisting of three concentrations. Concentration 1 contains 20 food and beverage cans. Concentration 2 contains 21 indeterminate metallic constituents, and 100+ colorless glass and porcelain ceramic cup fragments. Concentration 3 contains over 100+ food and beverage cans (including

several solder dot cans), 13 ceramic porcelain teacup fragments, 12 whiteware fragments, two (2) potted meat cans, one (1) aqua Coca-Cola bottle base, and one (1) shoe sole. Outside of these concentrations, the following artifacts were observed throughout the vicinity: 23 miscellaneous food cans, church key opened, 12 sanitary seal food cans, machine opened, 11 solder top cans, 10 sanitary seal food cans, knife opened, nine (9) bi-metal beverage cans, three (3) potted meat tins, key wind, one (1) colorless RC Cola bottle, three (3) aqua Coca-Cola bottle fragments, three (3) paint cans, and one (1) tobacco flip lid container. ABS-PK-S-03 measures approximately 185 meters (N/S) and 165 meters (E/W).

ABS-PK-S-03 is located on an actively eroding terrace escarpment with slopes ranging from 20° to 30°, is east of a residential property, and is located within the proposed BESS facility footprint. Disturbances noted include evidence of vehicle overland travel and active downslope erosion. Metal detecting efforts conducted in 2024 failed to identify any buried metallic components within and adjacent to the recorded boundaries of ABS-PK-S-03 (negative scan).

ABS-JC-S-01

Dudek recorded ABS-JC-S-01 in February 2023 and revisited the resource in November 2024. ABS-JC-S-01 is characterized as a historic-era refuse scatter consisting of two concentrations. Concentration 1 consists of 200+ sanitary seal, side-crimp cans, knife-opened, 50+ 10-ounce milk cans, 40+ cone top cans, four (4) carbon canisters with perforated sides, two (2) 1-gallon screw top rectangular oil cans, and two (2) aqua Coca-Cola bottles. Concentration 2 consists of 50+ solder top cans, eight (8) friction seal cans, one (1) friction seal paint can, one (1) cooking oil can, and one (1) bailing wire string. Outside of the concentrations there were an additional four (4) solder top cans. ABS-JC-S-01 measures 62 meters (N/S) by 62 meters (E/W).

ABS-JC-S-01 is located on an eroding terrace escarpment with slopes ranging from 10° to 30° and within the proposed BESS facility. There are multiple ephemeral drainages running across the extent of the resource in a general E/W axis. Metal detecting efforts conducted in 2024 failed to identify any buried metal components within and adjacent to the recorded boundaries of ABS-JC-S-01 (negative scan).

ABS-JC-S-02

Dudek recorded ABS-JC-S-02 in February 2023 and revisited the resource in November 2024. ABS-JC-S-02 is characterized as a historic-era refuse scatter consisting of one concentration amongst a more diffuse scatter of refuse. Concentration 1 consists of 14 solder top cans, one (1) church key opened can, one (1) ceramic white ware fragment, one (1) colorless glass fragment, and one (1) mason jar rim. Outside of the concentration, there are an additional 30+ sanitary seal food cans, 30+ solder top cans, 20+ beverage cans, church key opened, and 1 lard pail. ABS-JC-S-02 measures 25 meters (N/S) by 74 meters (E/W).

ABS-JC-S-02 is located on an eroding terrace escarpment with slopes ranging from 10° to 30° and within the proposed BESS facility. A deep seasonal drainage is noted to the west of the resource. Metal detecting efforts conducted in 2024 failed to identify any buried metallic components within and adjacent to the recorded boundaries of ABS-JC-S-02 (negative scan).

ABS-JC-S-03

Dudek recorded ABS-JC-S-03 in February 2023 and revisited the resource in November 2024. ABS-JC-S-03 is characterized as a historic-era refuse scatter consisting of two concentrations. Concentration 1 consists of seven (7) sanitary seal food cans, machine opened, three (3) beverage cans, church key opened, and one (1) friction lid quart paint can. Concentration 2 (recorded in 2024) consists of 53 solder top food cans, machine opened, 14 8-ounce juice cans, eight (8) potted meat tins, three (3) friction closure cans measuring 4.75 inches in height by 4 inches in diameter, two (2) potted meat cans, friction closure, key wind, one (1) oil can measuring 6 inches in height by 1.5 inches in width by 3.75 inches in depth, one (1) seasoning shaker lid, one (1) cast iron pipe drain end fragment, one (1) packing flat strap band measuring 2 inches wide by 10 feet long, and one (1) friction close quart coffee can. Non-metallic artifacts in Concentration 2 include 50+ colorless glass fragments, two (2) mason jar glass quart rims, three (3) colorless pint mason jar rims, two (2) green ceramic plate fragments, and one (1) complete metal screw top glass jar marked "Glass Containers Corporation". Outside these concentrations were an additional three (6) solder top cans and one (1) quarter paint can. ABS-JC-S-03 measures 27 meters (N/S) by 36 meters (E/W).

ABS-JC-S-03 is located on an eroding terrace escarpment with slopes ranging from 10° to 30° and within the proposed BESS facility. 2024 efforts to revisit the resource noted that many artifacts appeared to have been subject to post-depositional wind and water erosion from date of original recordation in 2023. Metal detecting efforts conducted in 2024 failed to identify any buried metallic components within and adjacent to the recorded boundaries of ABS-JC-S-03 (negative scan).

ABS-JC-S-04

Dudek recorded ABS-JC-S-04 in February 2023 and revisited the resource in November 2024. ABS-JC-S-04 is characterized as a shallow depression containing historic-era refuse. The depression measures 12 feet (N/S) by 10 feet (E/W) and has a depth of approximately 18 inches. Artifacts within the depression consist of 30+ solder top cans, two (2) paint pails, two (2) solder top potted meat cans, knife opened, and one (1) amber glass beer bottle (in 20+ fragments).

ABS-JC-S-04 is located on a mostly flat terrace directly adjacent to several informal dirt roadways and within the proposed BESS facility. Metal detecting efforts conducted in 2024 failed to identify any buried metallic components within and adjacent to the recorded boundaries of ABS-JC-S-04 (negative scan).

ABS-JC-S-05

Dudek recorded ABS-JC-S-05 in February 2023 and revisited the resource in November 2024. ABS-JC-S-05 is characterized as a historic-era refuse scatter consisting of 74 miscellaneous sanitary seal food cans, 37 friction seal side crimped cans, 31 bi-metal beverage cans, 16 solder top cans, church key opened, two (2) paint pails, two (2) potted meat tins, knife opened, two (2) potted meat cans, key wind, one (1) pesticide fogger can, one (1) coffee can lid, and one (1) aqua Coca-Cola bottle. ABS-JC-S-05 measures 90 meters (N/S) by 40 meters (E/W).

ABS-JC-S-05 is located on an eroding terrace escarpment with slopes ranging from 30° to 40° and is adjacent to the proposed gen-tie corridor. The downslope movement of artifacts between 2023 and 2024 indicate that ABS-JC-S-05 is actively eroding into the lower lying wash to the northeast. Metal detecting efforts conducted in 2024 failed to identify any buried metallic components within and adjacent to the recorded boundaries of ABS-JC-S-05 (negative scan).

ABS-BR-S-01

Dudek recorded ABS-BR-S-01 in November 2024. ABS-BR-S-01 is characterized as a historic-era refuse scatter consisting of 23 whiteware fragments, four (4) porcelain fragments, melted glass (24 aqua, 10 colorless, 3 amethyst, 1 olive denoted as Concentration 1), one (1) fuel can, one (1) sanitary seal food can, one (1) rectangular spice lid, one (1) metal spring, and a decorated flat metal implement in three (3) pieces. The site also contains a concrete and granite slab fragment. This slab fragment measures 29 inches (N/S) by 15 inches (E/W) with a height of 6.5-in. ABS-BR-S-01 measures 22 meters (N/S) by 40 meters (E/W).

ABS-BR-S-01 is located on an eroding terrace escarpment with slopes ranging from 10° to 30° and is adjacent to the proposed gen-tie corridor. Metal detecting efforts conducted in 2024 failed to identify any buried metallic components within and adjacent to the recorded boundaries of ABS-BR-S-01 (negative scan).

ABS-RB-S-01

Dudek recorded ABS-RB-S-01 in February 2025. ABS-RB-S-01 is characterized as a diffuse historic-era refuse scatter consisting of 50+ internal side seam steel beer cans, church key opened, six (6) 1-gallon paint pails, three (3) rectangular metal cooking oil jugs, three (3) potted meat cans, two (2) miscellaneous food cans, machine opened, one (1) partially buried corrugated metal bucket, one (1) crushed one-gallon paint pail, one (1) roof vent, one (1) solder dot can, a wooden mattress frame with metal box springs, and other large indeterminate metallic constituents. ABS-RB-S-01 measures 30 meters (N/S) by 55 meters (E/W).

ABS-RB-S-01 is located within an eroding terrace escarpment with slopes ranging from 30° to 40°, is adjacent to the proposed gen-tie corridor, and located directly west of the southern tip of the SCE Vincent Substation. The diffuse nature of the refuse scatter indicates that it has been subject to post-depositional wind and water erosion. Metal detecting efforts conducted in 2025 failed to identify any buried metallic components within and adjacent to the recorded boundaries of ABS-RB-S-01 (negative scan).

Exhibit 1. Example of poor ground surface visibility, view facing west.

Exhibit 2. Example of fair/good ground surface visibility, view facing north.

Exhibit 3. Example of excellent ground surface visibility, view facing southeast.

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8 Significance Evaluation Findings

This section summarizes the results of the significance evaluations conducted for the 11 archaeological resources identified within the project API (Table 7).

Table 7. Results of Archaeological Significance Evaluations

Resource ID	Resource Description	Eligibility Recommendation
P-19-101014	Historic-era refuse scatter	6Z found ineligible for CRHR through survey evaluation
ABS-PK-S-01	Historic-era refuse scatter	6Z found ineligible for CRHR through survey evaluation
ABS-PK-S-02	Historic-era refuse scatter	6Z found ineligible for CRHR through survey evaluation
ABS-PK-S-03	Historic-era refuse scatter	6Z found ineligible for CRHR through survey evaluation
ABS-JC-S-01	Historic-era refuse scatter	6Z found ineligible for CRHR through survey evaluation
ABS-JC-S-02	Historic-era refuse scatter	6Z found ineligible for CRHR through survey evaluation
ABS-JC-S-03	Historic-era refuse scatter	6Z found ineligible for CRHR through survey evaluation
ABS-JC-S-04	Shallow depression containing historic refuse	6Z found ineligible for CRHR through survey evaluation
ABS-JC-S-05	Historic-era refuse scatter	6Z found ineligible for CRHR through survey evaluation
ABS-BR-S-01	Historic-era refuse scatter	6Z found ineligible for CRHR through survey evaluation
ABS-RB-S-01	Historic-era refuse scatter	6Z found ineligible for CRHR through survey evaluation

8.1 Previously Recorded Resources

Resource P-19-101014 Evaluation

P-19-101014 is characterized as a sparce historic-era refuse scatter adjacent to a steep terrace escarpment and upslope of a dirt road. The identified SAE 20 motor oil can indicates that the primary period of deposition for the recorded component of P-19-101014 is likely dated to the mid-twentieth century (Lambton County Museums 2021). Artifacts associated with P-19-101014 were observed in a dispersed pattern within an eroding terrace escarpment, suggesting that the resource is in a secondary context. No evidence of subsurface deposits associated with P-19-101014 were observed.

It is unlikely that P-19-101014 is associated with events that have made a significant contribution to the broad patterns of California history and cultural heritage (Criterion 1). Additionally, P-19-101014 is not associated with the lives of persons important in our past (Criterion 2). P-19-101014 does not contain components of individual distinction, and historic-era refuse scatters of this type are ubiquitous throughout California. Therefore, it does not embody the distinctive characteristics of a type, period, method of construction, or represent the work of an important creative individual, or possesses high artistic values (Criterion 3). Additionally, P-19-101014 does not contain a significant archaeological deposit that can be excavated. Therefore, it is unlikely that additional significant information could be gathered from further investigation of P-19-101014. As such, P-19-101014 does not have the potential to provide information important to the history of the state or region (Criterion 4). In conclusion, Dudek recommends P-19-101014 as ineligible for listing on the CRHR and not a significant or unique archaeological resource under CEQA.

8.2 Newly Identified Resources

Resource ABS-PK-S-01 Evaluation

ABS-PK-S-01 is characterized as a historic-era refuse scatter containing mostly domestic consumables. The identified food and beverage refuse indicate that the primary period of deposition for the recorded component of ABS-PK-S-01 is post-1940 (Brewery Collectables Club of America n.d.; Lockhart and Hoenig 2015). Artifacts associated with ABS-PK-S-01 were observed in a dispersed pattern within an eroding terrace escarpment and exhibit evidence of erosional displacement, suggesting that the resource is in a secondary context. No evidence of subsurface deposits associated with ABS-PK-S-01 were observed.

It is unlikely that ABS-PK-S-01 is associated with events that have made a significant contribution to the broad patterns of California history and cultural heritage (Criterion 1). Additionally, ABS-PK-S-01 is not associated with the lives of persons important in our past (Criterion 2). ABS-PK-S-01 does not contain components of individual distinction, and historic-era refuse scatters of this type are ubiquitous throughout California. Therefore, it does not embody the distinctive characteristics of a type, period, method of construction, or represent the work of an important creative individual, or possesses high artistic values (Criterion 3). Additionally, ABS-PK-S-01 does not contain a significant archaeological deposit that can be excavated. Therefore, it is unlikely that additional significant information could be gathered from further investigation of ABS-PK-S-01. As such, ABS-PK-S-01 does not have the potential to provide information important to the history of the state or region (Criterion 4). In conclusion, Dudek recommends ABS-PK-S-01 as ineligible for listing on the CRHR and not a significant or unique archaeological resource under CEQA.

Resource ABS-PK-S-02 Evaluation

ABS-PK-S-02 is characterized as a historic-era refuse scatter containing mostly domestic consumables. The insulator fragment together with the solder dot cans indicate that the primary period of deposition for the recorded component of ABS-PK-S-02 is the early/mid-twentieth century (BLM 2015; Merritt 2014). Artifacts associated with ABS-PK-S-02 were observed in a dispersed pattern within an eroding terrace escarpment, suggesting that the resource is in a secondary context. Modern debris identified throughout the general vicinity also indicate ABS-PK-S-02 has been subject to multiple, more recent, dumping episodes. No evidence of subsurface deposits associated with ABS-PK-S-02 were observed.

It is unlikely that ABS-PK-S-02 is associated with events that have made a significant contribution to the broad patterns of California history and cultural heritage (Criterion 1). Additionally, ABS-PK-S-02 is not associated with the lives of persons important in our past (Criterion 2). ABS-PK-S-02 does not contain components of individual distinction, and historic-era refuse scatters of this type are ubiquitous throughout California. Therefore, it does not embody the distinctive characteristics of a type, period, method of construction, or represent the work of an important creative individual, or possesses high artistic values (Criterion 3). Additionally, ABS-PK-S-02 does not contain a significant archaeological deposit that can be excavated. Therefore, it is unlikely that additional significant information could be gathered from further investigation of ABS-PK-S-02. As such, ABS-PK-S-02 does not have the potential to provide information important to the history of the state or region (Criterion 4). In conclusion, Dudek recommends ABS-PK-S-02 as ineligible for listing on the CRHR and not a significant or unique archaeological resource under CEQA.

Resource ABS-PK-S-03 Evaluation

ABS-PK-S-03 is characterized as a historic-era refuse scatter containing mostly domestic consumables. The vast quantity of solder dot cans dispersed throughout the site indicate that the primary period of deposition for the recorded component of ABS-PK-S-03 is the early/mid-twentieth century (BLM 2015; Merritt 2014). The RC Cola bottle further indicates a secondary period of deposition in the mid-/late twentieth century (Lockhart 2010). Artifacts associated with ABS-PK-S-03 were observed in a dispersed pattern within an eroding terrace and exhibit evidence of modern anthropogenic displacement, suggesting that the resource is in a secondary context. No evidence of subsurface deposits associated with ABS-PK-S-03 were observed.

It is unlikely that ABS-PK-S-03 is associated with events that have made a significant contribution to the broad patterns of California history and cultural heritage (Criterion 1). Additionally, ABS-PK-S-03 is not associated with the lives of persons important in our past (Criterion 2). ABS-PK-S-03 does not contain components of individual distinction, and historic-era refuse scatters of this type are ubiquitous throughout California. Therefore, it does not embody the distinctive characteristics of a type, period, method of construction, or represent the work of an important creative individual, or possesses high artistic values (Criterion 3). Additionally, ABS-PK-S-03 does not contain a significant archaeological deposit that can be excavated. Therefore, it is unlikely that additional significant information could be gathered from further investigation of ABS-PK-S-03. As such, ABS-PK-S-03 does not have the potential to provide information important to the history of the state or region (Criterion 4). In conclusion, Dudek recommends ABS-PK-S-03 as ineligible for listing on the CRHR and not a significant or unique archaeological resource under CEQA.

ABS-JC-S-01

ABS-JC-S-01 is characterized as a historic-era refuse scatter containing mostly domestic consumables. The solder top cans together with the cone top cans indicate that the primary period of deposition for the recorded component of ABS-JC-S-01 is the mid-twentieth century (BLM 2015; Maxwell 1993). Artifacts associated with ABS-JC-S-01 were observed in a dispersed pattern within an eroding terrace escarpment and exhibit evidence of erosional displacement, suggesting that the resource is in a secondary context. No evidence of subsurface deposits associated with ABS-JC-S-01 were observed.

It is unlikely that ABS-JC-S-01 is associated with events that have made a significant contribution to the broad patterns of California history and cultural heritage (Criterion 1). Additionally, ABS-JC-S-01 is not associated with the lives of persons important in our past (Criterion 2). ABS-JC-S-01 does not contain components of individual distinction, and historic-era refuse scatters of this type are ubiquitous throughout California. Therefore, it does not embody the distinctive characteristics of a type, period, method of construction, or represent the work of an important creative individual, or possesses high artistic values (Criterion 3). Additionally, ABS-JC-S-01 does not contain a significant archaeological deposit that can be excavated. Therefore, it is unlikely that additional significant information could be gathered from further investigation of ABS-JC-S-01. As such, ABS-JC-S-01 does not have the potential to provide information important to the history of the state or region (Criterion 4). In conclusion, Dudek recommends ABS-JC-S-01 as ineligible for listing on the CRHR and not a significant or unique archaeological resource under CEQA.

ABS-JC-S-02

ABS-JC-S-02 is characterized as a historic-era refuse scatter containing mostly domestic consumables. The relatively large proportion of solder top cans identified indicate that the primary period of deposition for the recorded component of ABS-JC-S-02 is the late-nineteenth/early-twentieth centuries (BLM 2015; Merritt 2014). Artifacts associated with ABS-JC-S-02 were observed in a dispersed pattern within an eroding terrace and exhibit evidence of erosional displacement, suggesting that the resource is in a secondary context. No evidence of subsurface deposits associated with ABS-JC-S-02 were observed.

It is unlikely that ABS-JC-S-02 is associated with events that have made a significant contribution to the broad patterns of California history and cultural heritage (Criterion 1). Additionally, ABS-JC-S-02 is not associated with the lives of persons important in our past (Criterion 2). ABS-JC-S-02 does not contain components of individual distinction, and historic-era refuse scatters of this type are ubiquitous throughout California. Therefore, it does not embody the distinctive characteristics of a type, period, method of construction, or represent the work of an important creative individual, or possesses high artistic values (Criterion 3). Additionally, ABS-JC-S-02 does not contain a significant archaeological deposit that can be excavated. Therefore, it is unlikely that additional significant information could be gathered from further investigation of ABS-JC-S-02. As such, ABS-JC-S-02 does not have the potential to provide information important to the history of the state or region (Criterion 4). In conclusion, Dudek recommends ABS-JC-S-02 as ineligible for listing on the CRHR and not a significant or unique archaeological resource under CEQA.

ABS-JC-S-03

ABS-JC-S-03 is characterized as a historic-era refuse scatter containing mostly domestic consumables. The relatively large proportion of solder top cans identified indicate that the primary period of deposition for the recorded component of ABS-JC-S-03 is the late-nineteenth/early-twentieth centuries (BLM 2015; Merritt 2014). Artifacts associated with ABS-JC-S-03 were observed in a dispersed pattern within an eroding terrace and exhibit evidence of erosional displacement, suggesting that the resource is in a secondary context. No evidence of subsurface deposits associated with ABS-JC-S-03 were observed.

It is unlikely that ABS-JC-S-03 is associated with events that have made a significant contribution to the broad patterns of California history and cultural heritage (Criterion 1). Additionally, ABS-JC-S-03 is not associated with the lives of persons important in our past (Criterion 2). ABS-JC-S-03 does not contain components of individual distinction, and historic-era refuse scatters of this type are ubiquitous throughout California. Therefore, it does not embody the distinctive characteristics of a type, period, method of construction, or represent the work of an important creative individual, or possesses high artistic values (Criterion 3). Additionally, ABS-JC-S-03 does not contain a significant archaeological deposit that can be excavated. Therefore, it is unlikely that additional significant information could be gathered from further investigation of ABS-JC-S-03. As such, ABS-JC-S-03 does not have the potential to provide information important to the history of the state or region (Criterion 4). In conclusion, Dudek recommends ABS-JC-S-03 as ineligible for listing on the CRHR and not a significant or unique archaeological resource under CEQA.

ABS-JC-S-04

ABS-JC-S-04 is characterized as a large shallow depression containing historic-era refuse. The relatively large proportion of solder top cans identified indicate that the primary period of deposition for the recorded component

of ABS-JC-S-04 is the late-nineteenth/early-twentieth centuries (BLM 2015; Merritt 2014). Though no evidence of subsurface deposits associated with ABS-JC-S-04 were observed, the inspection of observable material on the ground surface was sufficient to gain a representative sample of associated use and chronological data for purposes of a significance determination.

It is unlikely that ABS-JC-S-04 is associated with events that have made a significant contribution to the broad patterns of California history and cultural heritage (Criterion 1). Additionally, ABS-JC-S-04 is not associated with the lives of persons important in our past (Criterion 2). ABS-JC-S-04 does not contain components of individual distinction, and historic-era refuse scatters of this type are ubiquitous throughout California. Therefore, it does not embody the distinctive characteristics of a type, period, method of construction, or represent the work of an important creative individual, or possesses high artistic values (Criterion 3). Additionally, ABS-JC-S-04 does not contain a significant archaeological deposit that can be excavated. Therefore, it is unlikely that additional significant information could be gathered from further investigation of ABS-JC-S-04. As such, ABS-JC-S-04 does not have the potential to provide information important to the history of the state or region (Criterion 4). In conclusion, Dudek recommends ABS-JC-S-04 as ineligible for listing on the CRHR and not a significant or unique archaeological resource under CEQA.

ABS-JC-S-05

ABS-JC-S-05 is characterized as a historic-era refuse scatter containing mostly domestic consumables. The relatively large proportion of solder top cans identified indicate that the primary period of deposition for the recorded component of ABS-JC-S-05 is the late-nineteenth/early-twentieth centuries (BLM 2015; Merritt 2014). Artifacts associated with ABS-JC-S-05 were observed in a dispersed pattern within an eroding terrace and exhibit evidence of erosional displacement, suggesting that the resource is in a secondary context. No evidence of subsurface deposits associated with ABS-JC-S-05 were observed.

It is unlikely that ABS-JC-S-05 is associated with events that have made a significant contribution to the broad patterns of California history and cultural heritage (Criterion 1). Additionally, ABS-JC-S-05 is not associated with the lives of persons important in our past (Criterion 2). ABS-JC-S-05 does not contain components of individual distinction, and historic-era refuse scatters of this type are ubiquitous throughout California. Therefore, it does not embody the distinctive characteristics of a type, period, method of construction, or represent the work of an important creative individual, or possesses high artistic values (Criterion 3). Additionally, ABS-JC-S-05 does not contain a significant archaeological deposit that can be excavated. Therefore, it is unlikely that additional significant information could be gathered from further investigation of ABS-JC-S-05. As such, ABS-JC-S-05 does not have the potential to provide information important to the history of the state or region (Criterion 4). In conclusion, Dudek recommends ABS-JC-S-05 as ineligible for listing on the CRHR and not a significant or unique archaeological resource under CEQA.

ABS-BR-S-01

ABS-BR-S-01 is characterized as a historic-era refuse scatter containing mostly ceramics and glass. Though the majority of the deposit is non-diagnostic, the presence of a single sanitary seal food can indicates the period of deposition for the recorded component of ABS-BR-S-01 is likely post-1900 (Merritt 2014). Artifacts associated with ABS-BR-S-01 were observed in a dispersed pattern within an eroding terrace and exhibit evidence of erosional displacement, suggesting that the resource is in a secondary context. No evidence of subsurface deposits associated with ABS-BR-S-01 were observed.

It is unlikely that ABS-BR-S-01 is associated with events that have made a significant contribution to the broad patterns of California history and cultural heritage (Criterion 1). Additionally, ABS-BR-S-01 is not associated with the lives of persons important in our past (Criterion 2). ABS-BR-S-01 does not contain components of individual distinction, and historic-era refuse scatters of this type are ubiquitous throughout California. Therefore, it does not embody the distinctive characteristics of a type, period, method of construction, or represent the work of an important creative individual, or possesses high artistic values (Criterion 3). Additionally, ABS-BR-S-01 does not contain a significant archaeological deposit that can be excavated. Therefore, it is unlikely that additional significant information could be gathered from further investigation of ABS-BR-S-01. As such, ABS-BR-S-01 does not have the potential to provide information important to the history of the state or region (Criterion 4). In conclusion, Dudek recommends ABS-BR-S-01 as ineligible for listing on the CRHR and not a significant or unique archaeological resource under CEQA.

ABS-RB-S-01

ABS-RB-S-01 is characterized as a historic-era refuse scatter containing mostly domestic consumables. Though the majority of the deposit is non-diagnostic, the presence of a single solder dot can indicates the period of deposition for the recorded component of ABS-RB-S-01 is likely the early/mid-twentieth century (BLM 2015; Merritt 2014). Artifacts associated with ABS-RB-S-01 were observed in a dispersed pattern within an eroding terrace, suggesting that the resource is in a secondary context. No evidence of subsurface deposits associated with ABS-RB-S-01 were observed.

It is unlikely that ABS-RB-S-01 is associated with events that have made a significant contribution to the broad patterns of California history and cultural heritage (Criterion 1). Additionally, ABS-RB-S-01 is not associated with the lives of persons important in our past (Criterion 2). ABS-RB-S-01 does not contain components of individual distinction, and historic-era refuse scatters of this type are ubiquitous throughout California. Therefore, it does not embody the distinctive characteristics of a type, period, method of construction, or represent the work of an important creative individual, or possesses high artistic values (Criterion 3). Additionally, ABS-RB-S-01 does not contain a significant archaeological deposit that can be excavated. Therefore, it is unlikely that additional significant information could be gathered from further investigation of ABS-RB-S-01. As such, ABS-RB-S-01 does not have the potential to provide information important to the history of the state or region (Criterion 4). In conclusion, Dudek recommends ABS-RB-S-01 as ineligible for listing on the CRHR and not a significant or unique archaeological resource under CEQA.

9 Summary and Management Considerations

Dudek's archaeological resources inventory and evaluation in support of the project suggests there is a moderate potential for the inadvertent discovery of subsurface archaeological resources during project implementation. Dudek conducted a records search of the project API and surrounding 1-mile radius at the SCCIC. The records search identified three previously recorded cultural resources that intersect with the API: P-19-002893 (abandoned Southern Pacific Railway segment), P-19-101014 (can isolate), and P-19-192581 (Antelope-Mesa 220 kV Transmission Line). P-19-002893 and P-19-101014 are addressed in this study, while P-19-192581 is addressed in the *Built Environment Inventory and Evaluation Report* prepared by Dudek for the project in 2025 (Ahmanson et al. 2025).

A NAHC SLF search was also conducted for the project in 2023 and 2025, and results were negative for Native American cultural resources within 1 mile of the project API. Additionally, a review of historic topographic maps and aerial photographs indicate the project API has remained largely undeveloped throughout the twentieth and twenty-first centuries.

Several Dudek archaeologists conducted intensive-level archaeological resources pedestrian surveys of the project API in 2023, 2024, and 2025. During these survey efforts, crews relocated one previously recorded archaeological resource (P-19-101014) and recorded an additional 10 newly identified archaeological resources within the project API. P-19-002893 was identified as being outside of the project API and thus was not subject to evaluation efforts as part of the current study.

P-19-101014, ABS-PK-S-01, ABS-PK-S-02, ABS-PK-S-03, ABS-JC-S-01, ABS-JC-S-02, ABS-JC-S-03, ABS-JC-S-04, ABS-JC-S-05, ABS-BR-S-01, and ABS-RB-S-01 were evaluated as part of the current study. Dudek recommends that all 11 archaeological resources are not eligible for listing on the CRHR and do not meet the criteria to be considered significant or unique archaeological resources under CEQA.

Based on the quantity of archaeological resources identified within a 1-mile radius of the project API, the geoarchaeological suitability of the API for supporting the presence of buried archaeological resources, and in consideration of the lack of past disturbances within the majority of the project API, there is a moderate potential for the inadvertent discovery of unanticipated archaeological resources during initial project-related ground disturbance.

9.1 Assessment of Effects and Recommendations

According to CEQA, a project with an effect that may cause a substantial adverse change in the significance of a historical resource is a project that may have a significant effect (adverse effect) on the environment and the cultural resource itself. A substantial adverse change in the significance of a historical resource (CRHR eligible resource) would be constituted by physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of the resource would be materially impaired.

A total of 11 archaeological resources were identified within the API during Dudek's inventory efforts for the project. Through significance evaluations as part of the current study, Dudek determined that all 11 resources do not meet

the criteria to be considered historical resources or significant or unique archaeological resources under CEQA and are recommended ineligible for listing on the CRHR. Though the project will not have any direct or indirect impacts on known significant archaeological resources, there is potential for the project to impact previously unanticipated archaeological resources during initial project-related ground disturbance.

TCRs, while often also cultural resources, do represent a separate resource class under CEQA. Potential impacts (direct and indirect) to TCRs, as defined by CEQA, should be determined by the CEC based on Government-to-Government consultation or through other tribal engagement efforts. Dudek has not received any responses to date from contacted Tribes that supports the presence of specific, geographically defined TCRs that could be affected by project-related construction or operation. Based on present information, the proposed project will not present impacts to resources of Native American value or association, including potential TCRs.

Compliance with Mitigation Measures **MM-CUL-1**, **MM-CUL-2, and MM-CUL-3** outlined below, would reduce potential impacts to previously unanticipated cultural resources and human remains during project implementation. To the extent feasible, these measures are also inclusive of TCR considerations.

MM-CUL-1 Worker's Environmental Awareness Program. Prior to the initiation of ground-disturbing work, construction crews shall be made aware of the potential to encounter cultural resources and the requirement for cultural monitors to be present during these activities. This may occur as part of a Worker Environmental Awareness Program (WEAP). Topics addressed should include definitions and characteristics of cultural resources and Tribal Cultural Resources (TCRs), regulatory requirements and penalties for intentionally disturbing cultural resources, and protocols to be taken in the event of an inadvertent discovery.

MM-CUL-2 Cultural Resources Management and Inadvertent Discovery Program. It is recommended that a Cultural Resources Management and Inadvertent Discovery Plan (CRMIDP) be prepared and subject to lead agency review prior to initiation of construction. This should detail, at a minimum, requirements for archaeological and Native American monitoring (as applicable); roles and responsibilities; inadvertent discovery, management, and communication protocols; and daily and post-construction reporting. The CRMIDP should be prepared by a qualified archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards for archaeology, and implemented upon approval by the CEC. Archaeological monitors shall be present part-time (and as defined by the CRIDMP) during initial ground-disturbing activities to monitor rough and finish grading, excavation, and other ground-disturbing activities in the native soils. Archaeological monitoring may be adjusted (increase, decreased, or discontinued) at the recommendation of the qualified archaeologist and based on inspection of exposed cultural material and the observed potential for soils to contain intact cultural deposits or otherwise significant archaeological material. Although recommended, the requirement to include a Native American monitor should be determined by the CEC through consultation and review of the present report findings. If it is determined that Native American monitoring is required during ground-disturbing activities, an archaeological monitor shall also be present to support and coordinate with Native American efforts.

If cultural materials are discovered during initial disturbances associated with site preparation, grading, or excavation, the construction contractor shall divert all earthmoving activity within and around the immediate discovery area until a qualified archaeologist can assess the nature and

significance of the find. The area of avoidance shall be assumed to be a minimum of 50 feet around the find, however, may be adjusted to support construction needs by the qualified archaeologist in coordination with the construction team so long as protection of the discovery can be ensured. If determined necessary by the qualified archaeologist for the protection of this area, it shall be delineated by a temporary physical exclusionary boundary using staking and survey tape or other similar materials. The CRMIDP shall address protocols for TCRs, integrating management strategies informed through the process of Government-to-Government consultation. In the event that a potential inadvertent cultural resources discovery may meet the definition of a TCR, the lead agency or identified representative should management strategies stipulated by approved mitigation and outlined in the CRMIDP. Non-cultural project personnel shall not handle, collect or move any archaeological materials or human remains and associated materials. To the extent feasible, project activities shall avoid these deposits. Where avoidance is not feasible, the archaeological deposits shall be evaluated for their eligibility for listing on the California Register of Historical Resources (CRHR). If the deposits are not eligible, regulations provide that avoidance is not necessary. If the deposits are eligible, adverse effects to the identified resource must be avoided, or such effects must be mitigated. Mitigation strategies are dependent on the nature of the resource, and can include, but are not necessarily limited to: preservation in place, excavation of the deposit in accordance with a data recovery plan (see California Code of Regulations [CCR] Title 4(3) Section 5126.4(b)(3)(C)) and standard archaeological field methods and procedures; laboratory and technical analyses of recovered archaeological materials; production of a report detailing the methods, findings, and significance of the archaeological site and associated materials; curation of archaeological materials at an appropriate facility for future research and/or display; an interpretive display of recovered archaeological materials at a local school, museum, or library; and public lectures at local schools and/or historical societies on the findings and significance of the site and recovered archaeological materials. The CEC, or designee, shall be responsible for reviewing management plans and any reports produced by the archaeologist to determine the appropriateness and adequacy of the findings and recommendations.

Daily monitoring logs should be completed by onsite archaeological monitors (and Native American monitors, if present). Within 90 days following completion of construction, the qualified archaeologist should provide an archaeological monitoring report to the lead agency for review. The intent of this report should be to document compliance with approved mitigation. This report should include the results of the cultural resources monitoring program (even if negative), including a summary of any findings or evaluation/data recovery efforts, and supporting documentation that demonstrates all mitigation measures defined in the environmental document were appropriately met. Appendices should include monitoring logs and documentation relating to any newly identified or updated cultural resources.

MM-CUL-3 Treatment of Human Remains. In accordance with Section 7050.5 of the California Health and Safety Code and the requirements of the California Code of Regulations (CCR) Section 15064.5(e), if human remains are encountered during site disturbance, grading, or other construction activities on the project site, the construction contractor shall halt work within 50 feet of the discovery; all work within 50 feet of the discovery shall be redirected and the Los Angeles County Medical Examiner (County Coroner) notified immediately. This exclusionary buffer may be adjusted based on project needs, while also ensuring the protection of this area and regulatory compliance, at the

recommendation of a qualified archaeologist. If determined necessary by the qualified archaeologist for the protection of this area, it shall be delineated by a temporary physical exclusionary boundary using staking and survey tape or other similar materials. No further disturbance shall occur in areas likely to contain human remains until the County Coroner has made a determination with regard to if the find is human in origin pursuant to Public Resources Code Section 5097.98. If the remains are determined to be Native American, the County Coroner shall notify the Native American Heritage Commission (NAHC), which will determine and notify the Most Likely Descendant (MLD). With the permission of the CEC and land owner, the MLD may inspect the site of the discovery. The MLD shall make recommendations or preferences for treatment within 48 hours of being granted access to the site. Public Resources Code Section 5097.98 includes reasonable options for treatment that may be requested by the MLD. Consistent with CCR Section 15064.5(d), if the remains are determined to be Native American and an MLD is notified, the CEC, in coordination with the landowner, shall consult with the MLD identified by the NAHC to develop an agreement for the treatment and disposition of the remains.

Upon completion of the assessment, the consulting archaeologist shall prepare a report documenting the methods and results and provide recommendations regarding the treatment of the human remains and any associated cultural materials, as appropriate, and in coordination with the recommendations of the MLD. The report shall be submitted to the CEC, or designee, and the South Central Coastal Information Center. The CEC, or designee, shall be responsible for reviewing any reports produced by the archaeologist to determine the appropriateness and adequacy of the findings and recommendations. See Table 8 for a list of the Project's agency contacts for Cultural Resources.

Table 8. Agency Contacts for Cultural Resources

Issue	Agency	Contact
Native American Tribal Cultural Resources, Traditional Cultural Properties, Most Likely Descendent Designation	Native American Heritage Commission	1550 Harbord Blvd, Suite 100 West Sacramento, California 95691 916.373.3710
Local Regulatory Requirements	Los Angeles County Planning	335A East Avenue K-6 Lancaster, California 93535 213.974.6411
Human Remains	Los Angeles County Medical Examiner	1104 N Mission Road Los Angeles, California 90033 323.343.0711

10 References

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Appendix A

Key Personnel Resumes

Roshanne S. Bakhtiary, MA

ARCHAEOLOGIST

Roshanne Bakhtiary (*she/her*) is an archaeologist with 13 years' professional experience in cultural resources management, archaeological research, and regulatory compliance in California and the Great Basin. She also has extensive knowledge in hunter-gatherer archaeology, Mission period archaeology, and California prehistory and ethnography. Previously, Roshanne has held positions as an archaeologist, osteologist, cultural training lead, project manager, and principal investigator for various projects throughout California. In these roles, she has co-authored technical reports, led fieldwork operations, produced geographic information system (GIS) based analyses, facilitated Native American coordination and outreach, conducted records searches, managed National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA) compliance projects, and evaluated archaeological resources for the National Register of Historic Places under the National Historic Preservation Act Section 106 (Section 106) and the California Register of Historical Resources (CRHR) under CEQA. She also excels in communicating and consulting with various private sector clients and public agencies, negotiating budgets for projects, implementing technology-based fieldwork solutions, managing laboratory operations, conducting artifact analysis, and preparing archaeological collections for curation.

Education

University of California, Davis, PhD, Evolutionary Anthropology, In Progress

MA, Evolutionary Anthropology, 2016

California Polytechnic State University, San Luis Obispo, BS, Anthropology and Geography, 2013

Relevant Previous Experience

State Water Project, California Department of Water Resources, Los Angeles County, California. Ms. Bakhtiary served as the cultural lead on the South Central Coastal Information Center (SCCIC) and Eastern Information Center (EIC) records search collation and digitization efforts in support of the California Department of Water Resources (DWR) State Water Project (SWP). She led a team of archaeologists and GIS analysts through a series of data entry and digitization tasks that aided in the development of a state-wide buried site sensitivity model to assist DWR in their cultural resources management strategies in support of the SWP. (06/24–Present)

Adelanto-Rinaldi Line 1 Upgrade Project, Los Angeles Department of Water and Power, Los Angeles County, California. As principal archaeological investigator, Ms. Bakhtiary coordinated the records search, Native American Heritage Commission (NAHC) outreach efforts, archaeological survey, the preparation of a technical report, and provided management and compliance recommendations relating to archaeological resources for the Adelanto-Rinaldi Line 1 Upgrade Project. She also assisted in the preparation of the Cultural and Tribal Cultural Resources (TCR) CEQA document sections for the project. Considerations included compliance under CEQA. (01/24–06/24)

Belcaro Sand Canyon Project, Santa Clarita, California. As principal archaeological investigator, Ms. Bakhtiary coordinated the records search, NAHC outreach efforts, archaeological survey, the preparation of a technical report, and provided management and compliance recommendations relating to archaeological resources for the Belcaro Sand Canyon Project. As part of this effort, she evaluated three historic-era archaeological resources for inclusion in the NRHP and CRHR. Considerations included compliance under CEQA. (03/24–Present)

Santa Clarita Commerce Center Project, Santa Clarita, California. Ms. Bakhtiary served as the cultural compliance lead for a private developer on an infrastructure project in Santa Clarita, California. She prepared a cultural resources monitoring plan and worker environmental awareness program, coordinated archaeological and paleontological monitoring efforts, and worked with construction crews and the client on scheduling and compliance needs. She also assisted in the preparation of a final monitoring report. Considerations included compliance under CEQA and the City of Santa Clarita. (03/24–10/24)

Cal Poly Pomona Master Plan Update Project, Cal Poly Pomona, Pomona, California. As principal archaeological investigator, Ms. Bakhtiary coordinated the records search, NAHC outreach efforts, archaeological survey, the preparation of a technical report, and provided management and compliance recommendations relating to archaeological resources for the Cal Poly Pomona Master Plan Update Project. She also assisted in Native American consultation efforts pursuant to Assembly Bill (AB) 52. Considerations included compliance under CEQA. (02/24–Present)

The Huntington Library Scholar's Grove Housing Project, The Huntington Library, San Marino, California. As principal investigator, Ms. Bakhtiary coordinated the records search, cultural resources survey, the preparation of a technical report, and provided management and compliance recommendations relating to archaeological and built environment resources for the Scholar's Grove Housing Project. As part of this effort, she evaluated five historic-era built environment resources for inclusion in the NRHP and CRHR. Considerations included compliance under CEQA and the City of San Marino's rules and regulations outlined for the Huntington Library. (01/24–10/24)

North Coast Inceptor Reach 5 Replacement Project, City of Laguna Beach, Laguna Beach, California. As principal archaeological investigator, Ms. Bakhtiary coordinated the records search, NAHC outreach efforts, archaeological survey, extended phase I testing effort, the preparation of a technical report, and provided management and compliance recommendations relating to archaeological resources for the North Coast Inceptor reach 5 Replacement Project. She also assisted in Native American consultation efforts pursuant to AB 52 and in the preparation of the Cultural and TCR CEQA document sections. Considerations included compliance under CEQA. (02/24–Present)

U.S. Department of Housing and Urban Development Projects, Couty of Orange, Orange County, California. Ms. Bakhtiary served as a principal archaeological investigator for more than 5 County of Orange U.S. Department of Housing and Urban Development projects throughout Orange County. She coordinated the records searches, the preparation of technical reports, managed California State Historic Preservation Officer concurrence and communication efforts, and provided management and compliance recommendations relating to archaeological resources. Considerations included compliance under CEQA and Section 106 of the NHPA. (05/23–Present)

Drought Resiliency NEPA-Compliant Assessments for Cultural Resources, Western Municipal Water District, Riverside and San Bernardino Counties, California. As principal archaeological investigator, Ms. Bakhtiary coordinated records searches, NAHC outreach efforts, archaeological surveys, the preparation of technical reports, and provided management and compliance recommendations relating to archaeological resources for three residential water infrastructure projects. (08/23–04/24)

On-Call Program, Southern California Edison, Los Angeles, California. Ms. Bakhtiary served as a cultural lead for Southern California Edison's Non-Master Special Use Permit Public Lands infrastructure replacement projects throughout Southern California including on lands administered by the Bureau of Land Management, California Department of Parks and Recreation, Bureau of Indian Affairs, Bureau of Reclamation, DWR, U.S. Army Corps of Engineers, California Department of Fish and Wildlife, and National Parks Service. She was responsible for completing archaeological desktop reviews, coordinating with public agencies, applying for permits, conducting site surveys, documenting newly recorded cultural resources, and authoring CEQA and Section 106-compliant technical reports. (03/22–03/23)

Jessica Colston

ASSOCIATE ARCHAEOLOGIST, PALEONTOLOGICAL TECHNICIAN

Jessica Colston is an archaeological and paleontological field monitor and technician with 17 years' experience. Ms. Colston has extensive field experience including identification and comparative analysis of faunal assemblages, both past and present. Ms. Colston's research interests include zooarchaeology of Pacific coast hunter-gatherers, including examination of trauma and pathology and bone tool production. Ms. Colston's faunal identification focus is continuously informed by research in paleontology of the southwest.

Education

University of California, Santa Cruz
BA, Anthropology (Archaeology emphasis), 2009

Certifications

CPR/First Aid

Archeological Technician Certificate, 2007

Certificate of Completion Paleontology, 2024

Driver's License, Class M1

Professional Affiliations

Lambda Alpha National Honors Society

Society for American Archaeology

Society for California Archaeology

Anza-Borrego Paleontological Society

Project Experience

Preserve at River Bend, City of Pala, California. Responsible for leading a crew on a Phase I survey in an archaeologically sensitive area adjacent to tribal reservation land and sacred landscape. Results of the survey were positive and the reporting included previous work for evaluation and tribal coordination.

Lone Oak Monitoring, CWC Lone Oak 24 LLC, San Diego, California. Coordinated daily archaeological and Native American monitoring for a residential development in an archaeologically sensitive area adjacent to jurisdictional waterways. Authored the Negative Monitoring report at the conclusion of the mass grading component of the project.

Hotel del Coronado North Parking Garage, HDC South Beach Development LLC, Coronado, California. Responsible for monitoring into paleontological sensitive soils, and responsible for the recovery of any fossiliferous materials.

Costco Project, La Mesa, California. Drafted the Negative Survey Letter for the development of an adjacent commercial lot for Costco Gas station installation.

Archaeological Significance Evaluation, Confidential Client, San Diego, California. Served as archaeological technician and report writer for evaluation excavations on previously recorded sites within the project's area of potential effect. Responsibilities included identification and documentation of archaeological features, artifacts and cultural soils. Report writing included the interpretation of the excavation results, both in terms of the artefactual assemblage and the sediments observed throughout the project area.

16970 Sunset Boulevard Cultural, Crest Real Estate, Los Angeles, California. Identified and documented archaeological and historical features on historic property.

235 North La Luna, Thomas and Kelly Adams, Ojai, California. Serving as archaeological technician. Responsible for excavation, documentation and collection of archaeological materials during phase II shovel testing.

Newland Sierra Project, Newland Sierra LLC, San Diego, California. Catalogued and performed data entry for collection previously housed with Palomar College.

Del Mar Beach Resort, Del Mar Beach Resort Investors LLC, San Diego County, California. Excavated, identified, and recorded archaeological materials recovered during phase II testing on site. Vertebrate and invertebrate analysis was performed in lab.

Highland Mesa Development II, Highland Mesa Development II Corp., Escondido, California. Served as archaeological technician. Monitored cultural resources during construction development for residential use.

The Yokohl Ranch Company Environmental Impact Report, Tulare County, California. Catalogued and sorted records of artifacts and features collected by project for analysis.

Villa Storia Affordable Housing Project, Villa Storia CIC LP, City of Oceanside, California. Served as archaeological technician. Identified and recorded cultural resources in the project area, which included on-site coordination with Native American monitors and subconsultants.

Twin Oaks Valley Road Residential Project, Pacific Real Estate Services, City of San Marcos, California. Wrote Negative Monitoring Report.

Villa Storia Monitoring, Beazer Homes Holding Corporation, City of Oceanside, California. Served as archaeological technician. Monitored ground disturbance in native soils adjacent to the Mission San Luis Rey during construction activities. This involved identification of ceramics, faunal bone, and historic ranching artifacts and impacts. Coordination with multiple subconsultants and Native American Monitors was also required.

Discovery Village South, City of San Marcos, California. Served as archaeological technician. Responsible for identification of historic and prehistoric cultural resources during survey of undeveloped project area.

973 K Street, SimonCRE Alpha III LLC, City of San Miguel, California. Served as archaeological technician. Responsible for pre-construction survey of lot purposed for commercial development. Responsible for coordination with the Native American monitors and evaluation of surface deposits of cultural materials. Proximity to the San Miguel Mission indicated likely subsurface deposits. Responsible for the preparation of Negative Findings Letter.

Bay Crossing Water Transmission Mains, City of Newport Beach, California. Co-authored phase I report for the remediation of transmission lines in Newport Bay. Reporting included language for mitigation measure recommendations tailored to the coastal environment of the project.

Bellefield Solar Energy, Bellefield Energy LLC, City of Mojave, California. Served as archaeological technician for phase II testing for evaluation excavations on newly and previously recorded sites within the project's area of potential effect. Responsibilities included identification and documentation of archaeological features, artifacts and cultural soils.

Botanical Surveys, Confidential Client, San Diego County, California. Responsible for co-authorship of the work plan and impact assessment plan for a confidential solar project. Preparation of these documents included the supplemental creation of an archaeological district, under SHPO guidelines. Faunal osteological identification/assessments contributed the work plan by proactively 'clearing' archaeological sites where any osteological material was previously recorded that was not clearly identified as non-human.

Adam Giacinto

ARCHAEOLOGIST

Adam Giacinto is an archaeologist with more than 19 years' experience preparing cultural resource studies and environmental documents, and managing archaeological survey, evaluation, and data recovery-level investigations. His research interests include prehistoric hunter-gatherer cultures and contemporary conceptions of heritage as represented within the regulations. He has gained practical experience in archaeological and ethnographic field methods while conducting research in the Southwest US, Mexico, and Eastern Europe. He brings experience implementing and managing all scales of projects and is experienced in compliance requirements for local, state, and federal regulatory contexts. He specializes in sensitivity modeling and cultural resources compliance projects, managing monitoring for large-scale transportation and energy projects.

Education

San Diego State University
MA, Anthropology, 2011

Santa Rosa Junior College
AA, Anthropology, 2004

Sonoma State University
BA, Anthropology/ Linguistics, 2006

Professional Affiliations

Register of Professional Archaeologists

Society for California Archaeology American Anthropological Association Institute of Archaeomythology

American Anthropological Association

Selected Project Experience

Tribal Cultural Resources (TCR) Studies, City of Los Angeles Planning Area.
Mr. Giacinto has acted as principal investigator on more than 35 TCR studies throughout the City of Los Angeles planning area. The goal of these investigations is to review the archaeological, historical, academic, and ethnographic record for potential TCR information, then ground contemporary AB 52 consultation information in this context while providing recommendations related to reasonable approaches for management. (2015–Present)

Archaeological/ Zanja Madre Studies, City of Los Angeles Planning Area.
Mr. Giacinto has acted as principal investigator on more than 15 archaeological studies within the Los Angeles Down Town area focused on assessing the potential presence of the "Zanja Madre", a water conveyance system that was developed as a system of ditches in the early 1800s and continued into use through the early 1900s. These projects include reviewing South Central Coastal Information Center (SCCIC) records search information, Native American Heritage Commission (NAHC) Sacred Lands File (SLF) information, a review of in-house Dudek data and references, Sanborn Fire Maps, historical topographic and aerial information and, at times, the application of ground penetrating radar (GPR). GPR has been used on 6 projects to date with the intent of identifying buried portions of the Zanja Madre. The most pertinent of these include the following projects. (2017–Present)

- 6th and Alameda Project, Private Developer, Downtown Los Angeles, California (2017–2019)
- South Park Towers, Private Developer, Downtown Los Angeles, California (2017–2019)
- Palmetto Project, Private Developer, Downtown Los Angeles, California (2017–2019)
- Buena Vista Project, China Town, Los Angeles, California (2019–ongoing)

- Santa Ana Watershed Project Authority Reach 5 Project, Riverside County, California. As principal investigator, Mr. Giacinto managed provided recommendations to SAWP for a monitoring approach that would satisfy both State Water Board and Pechanga tribe interests. Project included archaeological monitoring of areas along Temescal Canyon Road and met compliance under CEQA and Section 106 of the NHPA.

Santa Margarita Hidden Ridge Project, Orange County, California. As principal investigator, Mr. Giacinto managed the survey, SCCIC archival searches, tribal correspondence, and reported management recommendations for a cultural resources inventory. The proposed intersection two NRHP-listed resources and a NRHP-listed archaeological district. Mr. Giacinto developed and managed testing efforts to appropriately define significant deposits and prepared a monitoring plan. Considerations included compliance under CEQA and Section 106 of the NHPA, and project was successfully permitted.

Orange Coast College Initial Study (IS), Coast Community College District, Orange, California. As principal archaeological investigator, Mr. Giacinto coordinated records search, NAHC and Native American consultation, archaeological survey, preparation of a technical report, and provided management and compliance recommendations relating to cultural resources on three Orange County College campuses.

Pure Water Plan Constraints Study and PEIR, City of San Diego, California. As principal investigator and field director, Mr. Giacinto managed preparation of a constraints study for the Pure Water Project. Work involved a records search of over 100 mile linear miles of San Diego. Site record information from more than 1,236 cultural resources was processed, coded, and integrated within a geospatial sensitivity model to identify archaeological and built environment constraints throughout the proposed alignment. Maps were then generated using generalized grid units to provide a visual model of relative archaeological resource sensitivity while maintaining the appropriate level of confidentiality for public dissemination to assist in planning.

California High Speed Rail, Fresno-Bakersfield, California. As principal investigator, oversees, implements, and reports upon cultural inventory, evaluation, data recovery and compliance efforts under Section 106 of the NHPA, Federal Rail Authority, CEQA, and local Guidelines for Fresno to Bakersfield section. Oversight of Native American monitors, built environment specialists and archaeologists, management of cultural monitoring implementation and site treatment, client reporting, meetings and report preparation. Implementation of mitigation included exploratory archaeological investigations at multiple NAHC-eligible resources.

Operations and Maintenance On-Call, Department of Water Resources. As primary Dudek archaeological and tribal resources consultant, Mr Giacinto manages cultural resources projects for DWR. These include the Cultural Resources Inventory for the B.F. Sisk Dam Safety of Dams Modification Project, Delta Dams Raise Project (three reservoirs), MP 230 Project, and Upper Feather River Projects (three dam locations) and preparation of a Programmatic Agreement for Cultural resources for DWR. Mr Giacinto is familiar with the DWR Tribal Engagement and AB 52 processes. (2019–ongoing)

McCoy Solar Energy Project and Blythe Solar Power Project, Blythe, California. As principal investigator, Mr. Giacinto supervised, implemented, and reported upon compliance efforts for construction of more than 4000 acres of solar work under Section 106 of the NHPA, BLM Guidelines, CEQA, California Energy Commission, and County of Riverside Guidelines. Mr. Giacinto was the lead multiple formal trainings with monitors and council members from the Colorado River Indian Tribes regarding federal and state regulations relating to human remains, County and BLM guiding documents, identification of cultural material, and the multiple understandings of “cultural resources”. History (NIAH), Mexicali, Mexico. (2014–ongoing)

Micah Hale, PhD, RPA

SENIOR ARCHAEOLOGIST

Micah Hale is Dudek's cultural resources practice manager and lead principal investigator, with technical expertise as a lithic and groundstone analyst, invertebrate analyst, and in ground penetrating radar. Over the course of his 23-year career, Dr. Hale has served as a principal investigator in the public and private sector for all levels of archaeological investigation, as a public outreach coordinator and as an assistant professor at the University of California (UC), Davis. As Dudek's cultural resources practice manager, he currently functions as a principal investigator in project oversight including proposals, research designs, fieldwork, artifact analysis, and report authorship.

Education

University of California, Davis
PhD, Anthropology, 2009
BS, Anthropology, 1996
California State University, Sacramento
MA, Anthropology, 2001

Certifications

Register of Professional Archaeologists (RPA)

Professional Affiliations

Antelope Valley Archaeological Society
San Diego Archaeological Society
Society for American Archaeology
Society for California Archaeology

Project Experience

Development

Phase II Archaeological Data Recovery for the Newland Homes Sierra Project, San Diego County, California. As project manager and principal investigator, supervising data recovery investigations at two significant prehistoric archaeological sites and historic archival research of a homestead in support of the Newland Sierra Environmental Impact Report (EIR). (2013–Present)

Phase I Archaeological Inventory and Phase II Archaeological Evaluation for the Yokohl Ranch Project, Tulare County, California. As project manager and principal investigator, supervised completion of 12,000 acre survey and archaeological evaluation of 85 prehistoric and historical archaeological sites in support of the Yokohl Ranch EIR. (2012–2013)

Phase I Inventory and Phase II Cultural Resources Evaluation for the Star Ranch Project, RBF Consulting, San Diego County, California. As project manager and principal investigator, supervised CEQA inventory and evaluation for private development. (2011)

Phase II Archaeological Evaluation of Two Prehistoric Sites, Torrey Pines Glider Port, San Diego County, California. As project manager and principal investigator, supervised CEQA evaluation of two prehistoric archaeological sites for the Torrey Pines City Park General Development Plan. (2012)

Data Recovery of One Prehistoric Site for the Rhodes Property, Sea Breeze Properties, San Diego County, California. As project manager and principal investigator, supervised CEQA compliant data recovery of a large prehistoric site for a residential development.

Archaeological Survey of the Paramount Mine Exploratory Drilling Project, Essex Environmental, Mono County, Nevada. As principal investigator and field director, conducted archaeological survey for mining exploration and prepared the technical report. (2006)

Phase I Inventory of 1,544 Acres and Phase II Evaluation of Archaeological Sites along the Western and Northwestern Boundaries, Edwards Air Force Base, Kern County, California. As field director, supervised a Phase I inventory of 1,544 acres. Recorded 30 new archaeological sites, more than a dozen "sub-modern" refuse dumps, and a variety of isolate finds. Notable sites include several early Holocene lithic scatters (Lake Mojave-, Silver Lake-, and Pinto-age deposits), a rhyolite lithic quarry, and a complex of historic dumps associated with homesteading activities around Lone Butte. (2005)

Archaeological Survey of the La Mesa Meadows Residential Development Project, Helix Environmental, San Diego County, California. As principal investigator, conducted a survey of a proposed residential development in San Diego County. (2005)

Pankey Ranch Testing, Pardee Homes, Northern San Diego County, California. As field director, supervised excavation of shovel test pits to delineate the boundaries of site CA-SDI-682, the prehistoric village of Tom-Kav. Managed field personnel, conducted excavation, and wrote portions of technical report. (2004)

Oceanside Hilton EIR, Dudek Associates, Oceanside, San Diego County, California. As principal investigator and field director, conducted a survey of the proposed Hilton Hotel at the eastern end of Buena Vista Lagoon in Carlsbad and prepared portions of technical report for an EIR. (2004)

Data Recovery of Locus O, Star Canyon Development, Agua Caliente Band of Cahuilla Indians, Palm Springs, Riverside County, California. As field director, supervised field crews for data recovery mitigation of an archaeological deposit and human remains near Tahquitz Canyon. Coordinated with Native American representatives and prepared portions of the technical report. (2004)

Linda Vista Survey, City of San Marcos Planning Department, San Diego County, California. As field director, conducted a Phase I cultural resource inventory of the proposed road realignment in San Marcos. Prepared technical reports and made recommendations for additional work to be done within the project area. (2003)

Archaeological Monitoring for Williams Communications Fiber-Optic Line, Jones and Stokes Associates, San Luis Obispo and Bakersfield, Kern and San Luis Obispo Counties, California. As resource monitor/Native American coordinator, conducted archaeological monitoring for a fiber-optic cable installation project that spanned 180 miles from San Luis Obispo to Bakersfield. Identified and protected archaeological resources in the project area in compliance with state and federal regulations. Managed Native American monitors and coordinated daily work with construction and environmental staff to facilitate project completion. (2001)

Subsurface Survey of a Proposed Bicycle Path Along the Columbia River Slough in Northwest Portland, City of Portland, Multnomah County, Oregon. As field archaeologist, conducted auger testing in a variable north-to-south transect at 30-meter intervals, and unit mapping. (2000)

Phase II Test Excavations, AT&T, Portland, Multnomah County, Oregon, and Vancouver, Clark County, Washington. This project determined the presence and condition of any cultural resources in the project areas that were situated on the northern and southern sides of the Columbia River in Washington and Oregon. (1999)

AT&T Cable Removal Project, Jones and Stokes Associates, Taft to Los Angeles, Kern and Los Angeles Counties, California. As field archaeologist, conducted a survey to determine archaeological impact by the removal of a lead-lined subsurface cable. (1998)

Shane McDonnell

ARCHAEOLOGICAL/PALEONTOLOGICAL FIELD TECHNICIAN

Shane McDonnell (*he/him*) is an archaeological and paleontological field technician with experience as a construction field monitor, monitoring construction in Southern California on various projects including residential, commercial, and renewable energy. He has worked individually and with larger crews on monitoring efforts and assisting with keeping clients in compliance. He is skilled in excavating with specialized equipment.

Education

University of Wyoming
BS, Anthropology, 2021

Certifications

San Diego City Certified Archaeological Monitor

Project Experience

Development

Village 8 East, HomeFed Corporation, Chula Vista, California. Served as an archaeological and paleontological monitor for mass grading and excavating associated with a Master Plan development keeping the client in compliance under a programmatic environmental impact report (EIR).

Amazon Logistics Facility "Otay Enrico," Otay Enrico LLC, Otay Mesa, California. Served as a paleontological monitor for drilling, excavations, and grading associated with building an Amazon Logistics facility within the Otay Formation.

Panera Bread, Manna Development Group, San Marcos, California. Served as an archaeological monitor for construction activities associated with building a new commercial Panera Bread business near San Marcos Creek.

Skylark Murai, Lennar Corporation, San Marcos, California. Served as an archaeological monitor for mass grading and grubbing activities associated with the building of a new home development in San Marcos.

Brightline Survey and Excavation, Victorville to Hesperia, California. San 6 Discovery. Served as an archaeological field technician participating in surveys and excavations along the Interstate (I) 15 corridor from Victorville to Hesperia for the future construction of a high-speed rail system.

Discovery SAN 6 Industrial Project. Served as an archeological/paleontological monitor for mass grading and excavations associated with building an Amazon Logistics facility within the Otay Formation.

Solana Highlands. Served as an archaeological/paleontological monitor for mass grading and excavations associated with residential housing development in Solana Beach, CA.

North River Farms. Served as an archaeological/paleontological monitor for mass grading and excavations associated with residential housing development in Oceanside, CA.

Energy

Drew Solar, Swinterton, Calexico, California. Served as a paleo lab technician, assisting with processing recovered mudstone geological formation fossiliferous sediments, drying, organizing, and labeling in the lab for sorting and curation.

Sandrini Solar, Rosendin, Fresno, California. Served as a paleontological monitor for construction activities associated with building a solar farm.

Arlington Solar Energy Center, NextEra, Blythe, California. Served as an archaeological and paleontological monitor for construction activities associated with building a solar farm and battery energy storage systems on Bureau of Land Management land.

Survey 13836, Confidential Client, Calipatria, California. As a dual paleontologist and archaeologist, worked with a crew of 5 to 9 people to survey 4,000 acres of active farmland for cultural resources associated with a new solar farm development. Documented concrete canals and transmission lines for the built environment/historic architecture team.

Municipal

San Marcos Creek, City of San Marcos, California. Served as an archaeological monitor for ground-disturbing activities associated with removal of invasive plant species, rerouting utilities, redevelopment of surface streets, and building bridges to rework the San Marcos Creek to avoid flooding of roads and make into a wetland for the proliferation of biological species.

Specialized Training

- Advanced Archaeology Field School, University of Wyoming, Guernsey, Wyoming. Excavated, mapped, and surveyed archaeological artifacts in situ at the Hell Gap Paleoindian Site in Southeastern Wyoming using water screening, EDMwin software, and a total station. Cleaned and cataloged discovered artifacts, such as bison vertebrae/cranium and stone tools from sediment (10,000–12,000 years old), based on taxonomic properties to be analyzed for a collaborative technical report.

Brenda Lee Rogers

ARCHAEOLOGIST

Brenda Lee Rogers (*she/her*) is a professional archaeologist with 34 years' archaeological experience in the United States. Since 1991, she has conducted field and laboratory studies of archaeological sites in Arizona, California, Delaware, Illinois, Nevada, New Jersey, New York, and Pennsylvania. She has supervised large field crews of archaeologists and provided training in excavation strategies, map drafting, artifact illustrations, site tours, press relations, and processing artifacts. Brenda also has considerable experience proofreading and organizing paperwork and editing and cowriting reports. She has also been involved in teaching students of all ages about archaeology. Brenda has served as an archaeological site steward in California off and on since 2009.

Education

Bard College
BA, Anthropology, 1990

Professional Affiliations

Society of California Archaeology

Ventura County Archaeological Society

Certifications

Occupational Safety and Health Administration (OSHA) 40-hour HAZWOPER)

Selected Project Experience

Gabriel Energy Storage -TO No. 13, Aypa Power Development LLC, Irwindale, California. Served as archaeologist. Conducted in-person research at South Central Coastal Information Center, which involved accessing confidential records and transferring information to hand-drawn topographical maps as well as copying and uploading records. Conducted pedestrian survey, wrote survey report. Co-authored archaeological report. (2025)

Atlas Main (X and XI) Solar Project, Hanwha Q CELLS USA Corp, Salome, Arizona. Served as archaeological monitor. Assisted with monitor coordination and communication between client and project manager. Worked with client to protect archaeologically sensitive areas and monitored geotechnical ground testing. Recorded archaeological finds and worked closely with Native American monitors to protect the cultural resources. Documented all work through photographs and completion of monitoring logs. Edited and uploaded daily field logs. (2025)

Atlas Main (V and VI) Solar Project, Hanwha Q CELLS USA Corp, Salome, Arizona. Served as archaeological monitor. Monitored large-scale vegetation removal and grading. Recorded archaeological finds and worked closely with Native American monitors to protect the cultural resources. Assisted biologists with ground survey for impacted animal burrows. Documented all work through photographs and completion of monitoring logs. Edited and uploaded daily field logs. (2025)

Luthra Solar Project, New Leaf Energy Inc., Riverside, California. Served as field archaeologist. Conducted pedestrian survey of project site and prepared a written report. Coordinated efforts with other field personnel. (2025)

Pacific Gas and Electric Vegetation Management, Arcadis US Inc., Point Reyes, California. Served as archaeological monitor. Completed pre-work archaeological surveys and monitored vegetation management, while ensuring sensitive areas were protected. Documented all work through photographs and completion of monitoring logs. (2024)

Painter Battery Energy Storage System Cultural Resources Extended Phase I, Jupiter Power LLC, Carpinteria, California. Served as crew lead and field archaeologist. Planned testing strategy and excavated augers and test units to recover subsurface remains. Recorded field notes and documented efforts with photographs and field map application. Assisted with preparation of data for the report. (2024)

3803 W. Mission Blvd CEQA 15183 Exemption, City of Pomona, Los Angeles, California. Served as archaeologist. Conducted in-person research at South Central Coastal Information Center, which involved accessing confidential records and transferring information to hand-drawn topographical maps as well as copying and uploading records. Conducted a field survey of project area, documented with photographs. Prepared a written report and submitted a photo log. (2024)

Ocean Meadows Cultural Services, Ocean Meadows Investors, Goleta, California. Served as archaeological monitor. Monitored ground disturbance during construction work on site. Monitored grading and drilling activities. Documented work with photographs and prepared a daily written report. Reviewed and edited all monitoring logs and prepared a monitoring report. (2024)

Phelan 20 Acres, Cambria 60 Partners LLC, Hesperia, California. Served as field archaeologist. Completed pedestrian survey of project area. Completed photo documentation and prepared a survey report. Conducted in-person research at South Central Coastal Information Center, which involved accessing confidential records and transferring information to hand-drawn topographical maps as well as copying and uploading records. Assisted in report preparation. (2023)

North Cat Canyon Oil Field, Santa Barbara County Council Resources Inventory, Langan Engineering and Environmental Services LLC, Orcutt, California. Served as archaeologist. Co-authored Phase I Archaeological Survey Report. (2023)

Desert Valley Hospital Emergency Department Project, Prime Healthcare, Victorville, California. Served as archaeologist. Co-authored Cultural Resources Technical Report. Conducted in-person research at South Central Coastal Information Center, which involved accessing confidential records and transferring information to hand-drawn topographical maps and copying and uploading records. Completed pedestrian survey of project site and prepared a written report. (2023)

Thousand Oaks Los Robles Cancer Center, City of Thousand Oaks, California. Served as field archaeologist. Completed pedestrian survey of project site and prepared a written report. Conducted in-person research at South Central Coastal Information Center, which involved accessing confidential records and transferring information to hand-drawn topographical maps as well as copying and uploading records. Assisted in report preparation. (2023)

Queen of the Valley Hospital, West Covina, California. Served as archaeological monitor. Conducted construction monitoring of trenching for infrastructure. Documented work with photographs and written report. (2021–2022)

Kellogg Crossing Self-Storge, Goleta, California. Served as archaeological monitor. Conducted construction monitoring of all ground disturbance. Documented work with photographs and prepared daily written reports. (2022)

Trails at Lyons Canyon, NUWI-Lyons Canyon LLC, Los Angeles, California. Served as archaeologist. Co-authored Cultural Resources Technical Report. (2022)

Philip Sharp-Garcia

ARCHAEOLOGIST AND PALEONTOLOGICAL FIELD TECHNICIAN

Philip Sharp-Garcia (*FIL-ip sharp GAR-see-a*) is a field archaeologist with 17 years' experience in compliance monitoring, surveying, and data recovery. Mr. Sharp-Garcia is trained to identify artifacts, features, and flora in the Southern California desert. They also have experience as an acoustic monitor, air quality monitor, biological monitor, compliance monitor, and paleontological monitor.

Project Experience

Trails at Carmel Mountain Ranch, Lennar Homes of California, Inc, City of Poway, California. Served as lead archaeological monitor. Responsible for monitoring for archaeological resources during ground disturbing activities, reviewed daily logs, compiled monthly monitor log summaries, scheduled other monitors, and wrote the final report.

San Marcos Boulevard at Discovery, City of San Marcos, California. Served as archaeological monitor on a stormwater drainage pipe installation and road improvement project. Responsible for monitoring for archaeological resources during ground disturbing activities, dug and screened soil, and mapped discoveries in the field using an iPad/iPhone.

HomeFedV8E, HomeFed Corporation, City of Chula Vista, California. Served as a paleontological field technician. Responsible for monitoring for paleontological resources during ground disturbing activities.

Trilogy at the Polo Club, Shea Homes, City of Indio, California. Served as a paleontological field technician. Responsible for monitoring for paleontological resources during ground disturbing activities. Coordinated with Native American tribal cultural consultants.

Villa Storia Monitoring, Beazer Homes Holding Corporation, City of Oceanside, California. Served as archaeological technician. Responsible for monitoring ground disturbance in native soils adjacent to the Mission San Luis Rey during construction activities. Identified ceramics, paleontological soil samples, and historic ranching artifacts and impacts. Coordinated with multiple subconsultants and Native American monitors.

Confidential Solar Energy Center, Confidential Energy Client, Riverside County, California. Served as both an archaeological field technician and paleontological field technician. Responsible for cultural and paleontological resources construction monitoring during construction of 900 acres of solar fields and 20 linear miles of transmission corridor. Coordinated with multiple subconsultants and Native American tribal cultural consultants.

Education

San Bernardino Valley College,
GIS courses, 2011

San Diego State University
BA, Anthropology, 2007

Imperial Valley College
AA, Anthropology, 2003

Certifications

AED/CPR/First Aid, 2023

Wilderness First Aid Certification, 2022
40-hour HAZWOPER, 2018

CPR/First Aid, 2017

Quino Butterfly Exam, 2016

Desert Tortoise Council Workshop, 2015

Visual Emissions Examination, 2013

Section 106 Certification, 2012

Flat Tail Horned Lizard Certification, 2012

Recycled Water Site Supervisor Training, 2011

Bureau of Land Management Monitoring, Confidential Energy Client, San Diego County, California. Served as third-party lead archaeological inspector. Responsible for training other Dudek third-party archaeological and environmental inspectors, verifying compliance of construction with Bureau of Land Management (BLM) and county permits and Conditions of Approval. Coordinated with multiple subconsultants.

Confidential Solar Energy Project, Confidential Energy Client, City of Blythe, California. Served as lead archaeological monitor for compliance with BLM and California Energy Commission guidelines and regulatory conditions. Coordinated archaeological and Native American tribal cultural consultants throughout the nearly 900-acre project area. Completed archaeological survey, data recovery, and daily monitoring work. Reviewed daily reporting logs from all archaeological and Native American tribal cultural consultants prior to submittal to BLM and California Energy Commission leads and Memorandum of Agreement/Programmatic Agreement consulting parties. Tasked with ensuring general compliance among construction personnel and environmental monitors with biological, stormwater, noise, dust, and other environmental work conditions.

Confidential Solar Energy Project, Confidential Energy Client, San Luis Obispo County, California. Responsible for ensuring that multiple on-site ground disturbing activities had appropriate archaeological and paleontological monitoring coverage, as well as scheduling and recording archaeological and paleontological materials discovered while monitoring. Orchestrated and coordinated with multiple subconsultants, Native American tribal cultural consultants, archaeological field technicians, and paleontological monitors. Responsible for final identification and assessment of archaeological and paleontological resources.

Confidential Solar Energy Project, Confidential Energy Client, Riverside County, California. Served as lead archaeological monitor for compliance with BLM and Riverside County guidelines and regulatory conditions. Completed incidental oversight and compliance implementation as client representative and intermediary with third-party archaeologists throughout more than 1,800 acres of solar field and 20 linear miles of transmission corridor. Completed archaeological survey, artifact collection, and daily monitoring work. Reviewed daily reporting logs from all archaeological and tribal cultural consultants working under client contract prior to submittal to BLM and Memorandum of Agreement consulting parties. Tasked with ensuring general compliance among construction personnel and environmental monitors with biological, stormwater, noise, dust, and other environmental work conditions.

Confidential Wind Energy Project, Confidential Energy Client, Santa Barbara County, California. Served as an archaeological field technician and dug and screened shovel test pits. Used an iPad to digitally document discoveries in the field.

Confidential Solar Energy Project, Confidential Energy Client, Pinal County, Arizonia. Served as an archaeologist I on a Dudek survey of BLM land in Arizona for a potential solar farm. Drove four-wheel drive vehicles in the field, surveyed 900 acres of flat land, used a GPS receiver and an iPad/iPhone to create maps, and took photos.

Camp Wilson Infrastructure Upgrades, RQ Berg JV, City of Twentynine Palms, California. Served as lead archaeological monitor for compliance with base regulatory conditions. Coordinated archaeological monitoring of the project area and completed the archaeological survey, site recordation, and daily monitoring work. Reviewed daily reporting logs from archaeological monitors prior to base leads. Tasked with ensuring general compliance and interfacing with base field personnel.

Appendix B

(Confidential) SCCIC Records Search Results

Appendix C

(Confidential) Cultural Resources Overview Map

Appendix D
NAHC and Tribal Correspondence

All occurrences of the Project's former name have been redacted. Red text boxes containing the current Project name have been used to indicate replacements, while black boxes have been applied where redaction was necessary without substitution.

Sacred Lands File & Native American Contacts List Request

NATIVE AMERICAN HERITAGE COMMISSION
1550 Harbor Blvd, Suite 100
West Sacramento, CA 95501
(916) 373-3710
(916) 373-5471 – Fax
nahc@nahc.ca.gov

Information Below is Required for a Sacred Lands File Search

Project: Dudek No. 14419.02

County: Los Angeles

USGS Quadrangle

Name: Pacifico Mountain & Acton

Township: 5N Range: 12W Section(s): 22, 23, 26, 27, 28, 29, 32, 33, 34, and 35

Company/Firm/Agency:

Dudek

Contact Person: Jessica Colston

Street Address: 605 Third Street

City: Encinitas, CA Zip: 92024

Phone: (760) 815-6642 Extension:

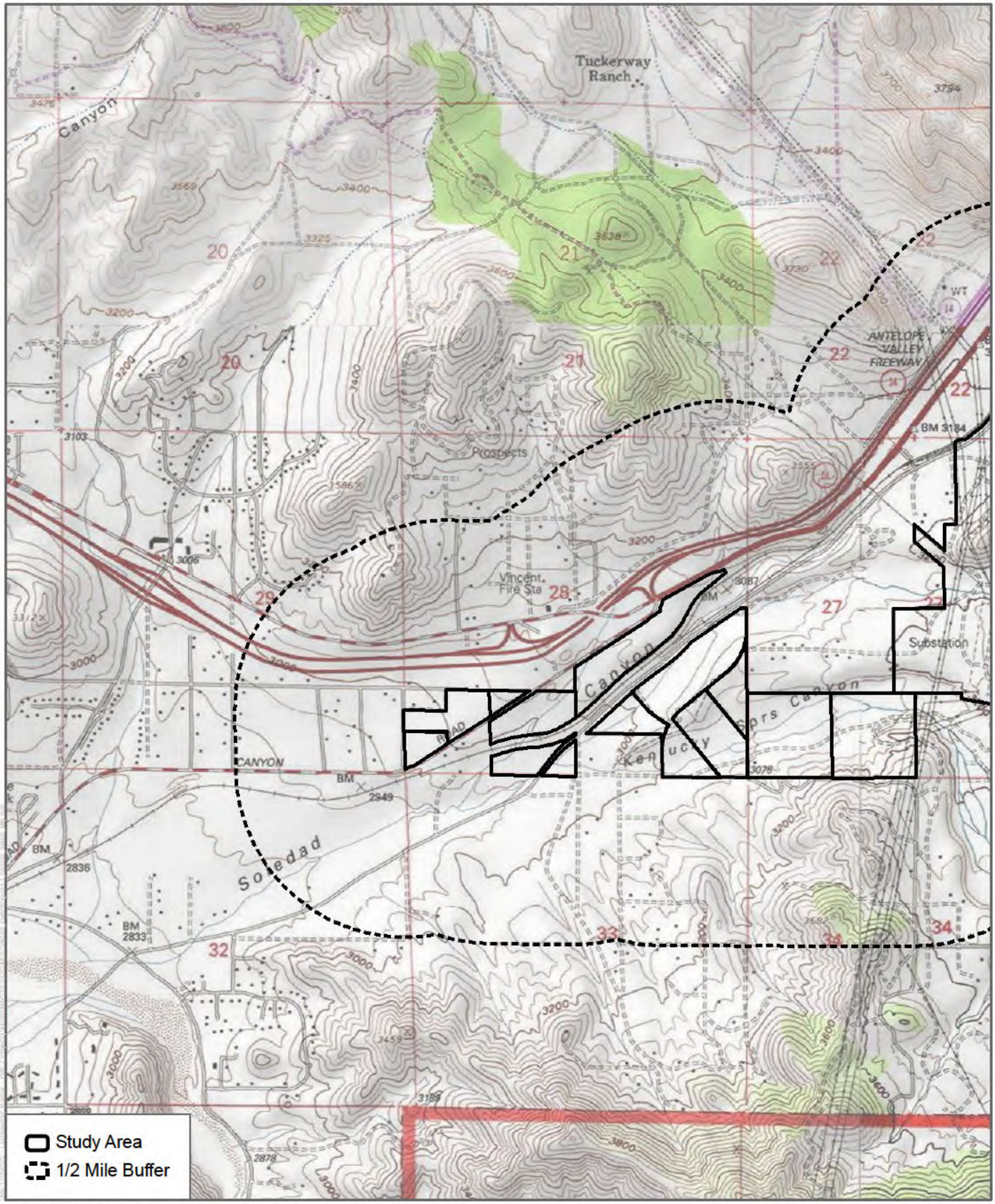
Fax:

Email: jcolston@dudek.com

Project Description:

The project will entail developments adjacent to HWY-14.

☑ Project Location Map is attached



SOURCE: USGS 7.5-Minute Series Pacifico Mountain, Acton Quadrangles
Township 5N; Range 12W; Sections 22,26,27,28

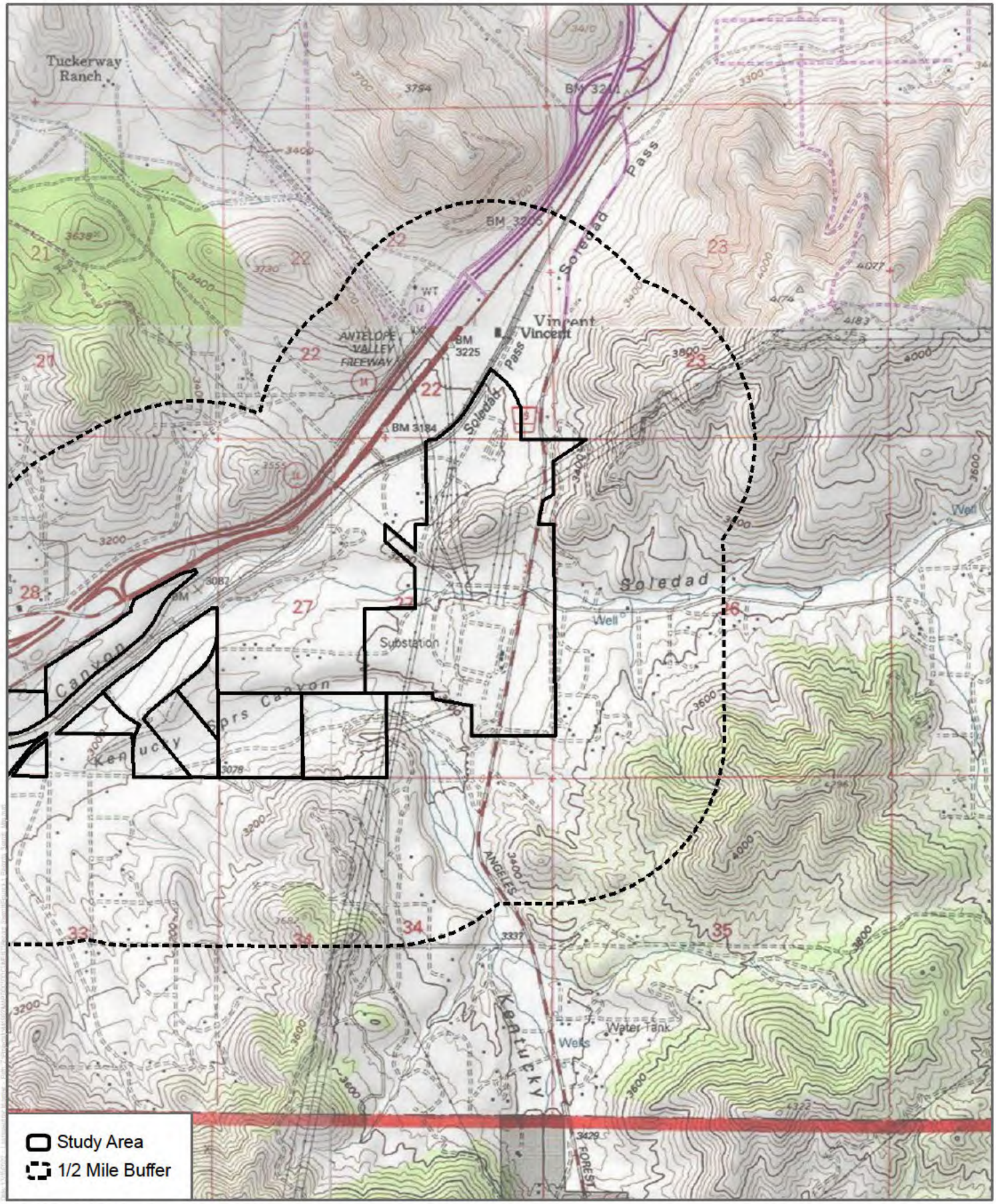
DUDEK

0 1,000 2,000 Feet
0 285 570 Meters
1:24,000

FIGURE 1-1

Records Search

Prairie Song Reliability Project



SOURCE: USGS 7.5-Minute Series Pacifico Mountain, Acton Quadrangles
Township 5N; Range 12W; Sections 22,26,27,28

DUDEK

0 1,000 2,000 Feet
0 285 570 Meters
1:24,000

FIGURE 1-2

Records Search

Prairie Song Reliability Project

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Laura Miranda
Luiseño

VICE CHAIRPERSON
Reginald Pagaling
Chumash

SECRETARY
Sara Dutschke
Miwok

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

COMMISSIONER
Wayne Nelson
Luiseño

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
[Vacant]

COMMISSIONER
[**Vacant**]

EXECUTIVE SECRETARY
Raymond C. Hitchcock
Miwok/Nisenan

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

January 27, 2023

Jessica Colston
Dudek

Via Email to: jcolston@dudek.com

Re: [redacted] Dudek No. 14419.02 Project, Los Angeles County

Dear Ms. Colston:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
Los Angeles County
1/27/2023

Fernandeno Tataviam Band of Mission Indians
Rudy Ortega, Tribal President
1019 Second Street, Suite 1 — Tataviam
San Fernando, CA, 91340
Phone: (818) 837 - 0794
Fax: (818) 837-0796
thcp@tataviam-nsn.us

Morongo Band of Mission Indians
Ann Brierty, THPO
12700 Pumarra Road — Cahuilla, Serrano
Banning, CA, 92220
Phone: (951) 755 - 5259
Fax: (951) 572-6004
abrierty@morongo-nsn.gov

Morongo Band of Mission Indians
Robert Martin, Chairperson
12700 Pumarra Road — Cahuilla, Serrano
Banning, CA, 92220
Phone: (951) 755 - 5110
Fax: (951) 755-5177
abrierty@morongo-nsn.gov

Quechan Tribe of the Fort Yuma Reservation
Jill McCormick, Historic Preservation Officer
P.O. Box 1899 — Quechan
Yuma, AZ, 85366
Phone: (760) 572 - 2423
historicpreservation@quechantribe.com

Quechan Tribe of the Fort Yuma Reservation
Manfred Scott, Acting Chairman
Kw'ts'an Cultural Committee
P.O. Box 1899 — Quechan
Yuma, AZ, 85366
Phone: (928) 750 - 2516
scottmanfred@yahoo.com

San Fernando Band of Mission Indians
Donna Yocum, Chairperson
P.O. Box 221838 — Kitanemuk, Vanyume, Tataviam
Newhall, CA, 91322
Phone: (503) 539 - 0933
Fax: (503) 574-3308
ddyocum@comcast.net

San Manuel Band of Mission Indians
Jessica Mauck, Director of Cultural Resources
26569 Community Center Drive — Serrano
Highland, CA, 92346
Phone: (909) 864 - 8933
Jessica.Mauck@sanmanuel-nsn.gov

Serrano Nation of Mission Indians
Mark Cochrane, Co-Chairperson
P. O. Box 343 — Serrano
Patton, CA, 92369
Phone: (909) 528 - 9032
serranonation1@gmail.com

Serrano Nation of Mission Indians
Wayne Walker, Co-Chairperson
P. O. Box 343 — Serrano
Patton, CA, 92369
Phone: (253) 370 - 0167
serranonation1@gmail.com

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Angeleno – Dudek No. 14419.02 Project, Los Angeles County.

Roshanne Bakhtiary

From: Roshanne Bakhtiary
Sent: Monday, December 30, 2024 8:49 AM
To: NAHC@NAHC
Subject: DUDEK [redacted] PN 13594.09 SLF Search Request
Attachments: DUDEK_13594.09[redacted]SLF.pdf

Dear NAHC,

Please find attached to this email the NAHC Sacred Lands File Search request with project location map for the [redacted] (Dudek #13594.09) located in unincorporated Los Angeles County, California. Dudek is requesting an NAHC Sacred Lands File Search for any sacred sites, tribal cultural resources, and other places of Native American community value that may fall within a one-mile radius of the proposed project location.

Please let me know if you have any questions regarding this project. You can email the results to me at: rbakhtiary@dudek.com.

Thank you,

Roshanne Bakhtiary
Archaeologist
DUDEK

O: 949 373 8307 **C:** 760 557 0998
dudek.com

Sacred Lands File & Native American Contacts List Request

Native American Heritage Commission
1550 Harbor Blvd, Suite 100
West Sacramento, CA 95691
916-373-3710
916-373-5471 – Fax
nahc@nahc.ca.gov

Information Below is Required for a Sacred Lands File Search

Project: Prairie Song Reliability Project

County: Los Angeles

USGS Quadrangle Name: Ritter Ridge, Palmdale, Acton, Pacifico Mountain

Township: 5N **Range:** 12W **Section(s):** 12, 22, 23, 26, 28, 29, 32, 33, 34, 35

Company/Firm/Agency: Dudek

Street Address: 605 3rd Street

City: Encinitas, CA **Zip:** 92024

Phone: (760) 557-0998

Fax:

Email: rbakhtiary@dudek.com

Project Description:

The project involves the construction and operation of an up to 1,150-megawatt battery energy storage system located on approximately 83.5 acres of land.

SOURCE: USGS 7.5-Minute Series Ritter Ridge, Palmdale, Acton, Pacifico Mountain Quadrangles
Township 5N| Range 12W| Section 21, 22, 23, 26, 28, 29, 32, 33, 34, 35

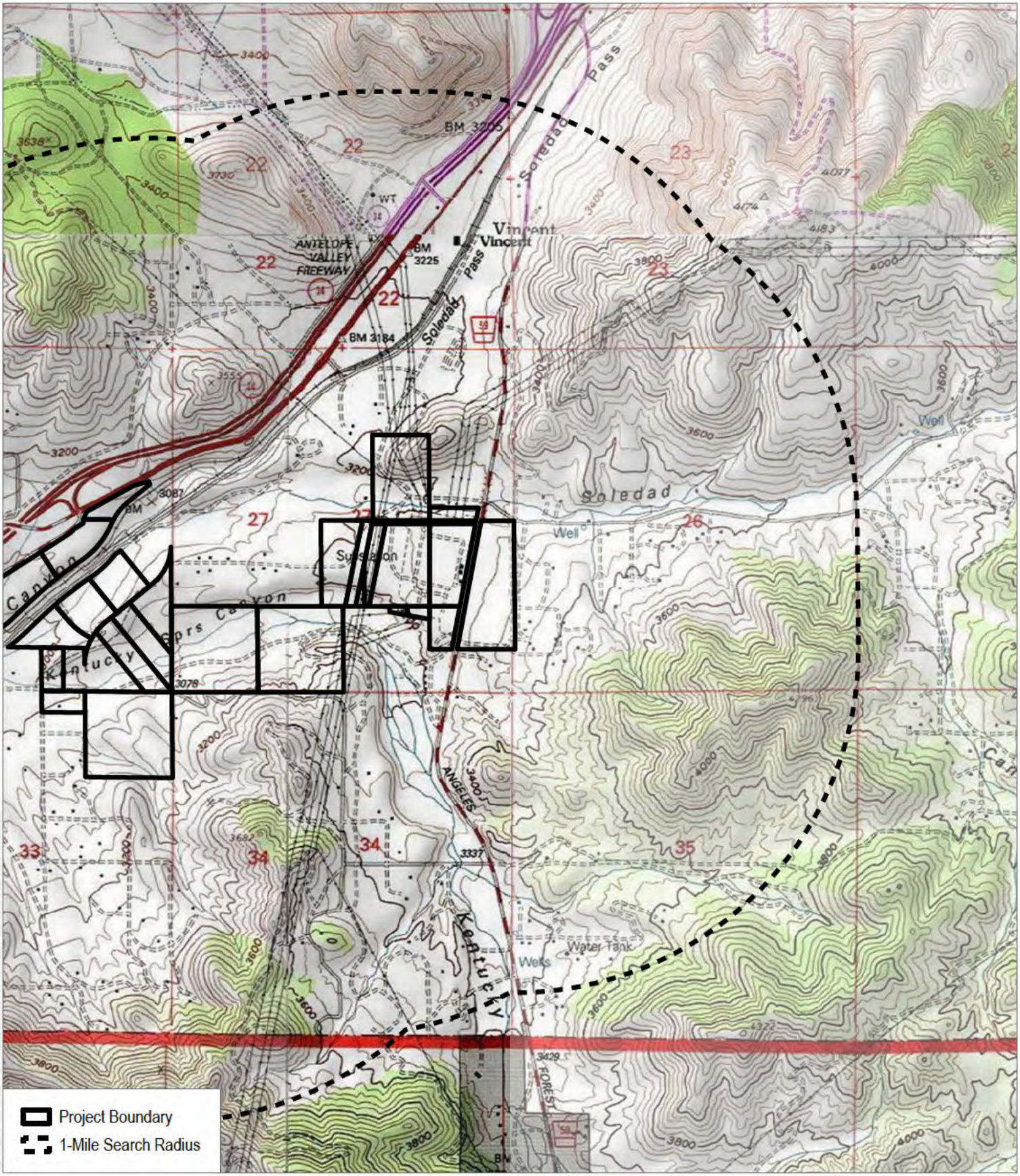
DUDEK

0 1,000 2,000 Feet 0 300 600 Meters 1:24,000

FIGURE 1-1

Records Search

Prairie Song Reliability Project



SOURCE: USGS 7.5-Minute Series Ritter Ridge, Palmdale, Acton, Pacifico Mountain Quadrangles
Township 5N| Range 12W| Section 21, 22, 23, 26, 28, 29, 32, 33, 34, 35

DUDEK

0 1,000 2,000 Feet 0 300 600 Meters 1:24,000

FIGURE 1-2

Records Search

Prairie Song Reliability Project

Roshanne Bakhtiary

From: Green, Andrew@NAHC <Andrew.Green@nahc.ca.gov>
Sent: Thursday, January 16, 2025 11:44 AM
To: Roshanne Bakhtiary
Subject: [redacted]
Attachments: SLF No [redacted] 1.16.2025.pdf; [redacted] 1.16.2025.xlsx

Follow Up Flag: Follow up
Flag Status: Flagged

Good Morning,

Attached is the response to the project referenced above. If you have any additional questions, please feel free to contact our office email at nahc@nahc.ca.gov.

Regards,

Andrew Green
Native American Heritage Commission
1550 Harbor Blvd., Suite 100
West Sacramento, CA 95691
Andrew.Green@nahc.ca.gov
Direct Line: (916) 573-1072
Office: (916) 373-3710

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Reginald Pagaling
Chumash

VICE-CHAIRPERSON
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

SECRETARY
Sara Dutschke
Miwok

PARLIAMENTARIAN
Wayne Nelson
Luiseño

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
Laurena Bolden
Serrano

COMMISSIONER
Reid Milanovich
Cahuilla

COMMISSIONER
Bennae Calac
Pauma-Yuima Band of Luiseño Indians

ACTING EXECUTIVE SECRETARY
Steven Quinn

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov

January 16, 2025

Roshanne Bakhtiary
Dudek

Via Email to: rbakhtiary@dudek.com

Re: [redacted], Los Angeles County

To Whom It May Concern:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
Los Angeles County
1/16/2025

Tribe Name	F/N	Contact Person	Contact Address	Phone #	Fax #	Email Address	Cultural Affiliation	Counties	Last Updated
Fernandeno Tataviam Band of Mission Indians	N	Sarah Brunzell, CRM Manager	1019 Second Street San Fernando, CA, 91340	(818) 837-0794		CRM@tataviam-nsn.us	Tataviam	Kern, Los Angeles, Ventura	5/25/2023
Morongo Band of Mission Indians	F	Robert Martin, Chairperson	12700 Pumarra Road Banning, CA, 92220	(951) 755-5110	(951) 755-5177	abrierty@morongo-nsn.gov	Cahuilla Serrano	Imperial, Kern, Los Angeles, Riverside, San Bernardino, San Diego	
Morongo Band of Mission Indians	F	Ann Brierty, THPO	12700 Pumarra Road Banning, CA, 92220	(951) 755-5259	(951) 572-6004	abrierty@morongo-nsn.gov	Cahuilla Serrano	Imperial, Kern, Los Angeles, Riverside, San Bernardino, San Diego	
Quechan Tribe of the Fort Yuma Reservation	F	Jill McCormick, Historic Preservation Officer	P.O. Box 1899 Yuma, AZ, 85366	(928) 261-0254		historicpreservation@quechantribe.com	Quechan	Imperial, Kern, Los Angeles, Riverside, San Bernardino, San Diego	5/16/2023
Quechan Tribe of the Fort Yuma Reservation	F	Manfred Scott, Acting Chairman - Kw'ts'an Cultural Committee	P.O. Box 1899 Yuma, AZ, 85366	(928) 210-8739		culturalcommittee@quechantribe.com	Quechan	Imperial, Kern, Los Angeles, Riverside, San Bernardino, San Diego	5/16/2023
Quechan Tribe of the Fort Yuma Reservation	F	Jordan Joaquin, President, Quechan Tribal Council	P.O.Box 1899 Yuma, AZ, 85366	(760) 919-3600		executivesecretary@quechantribe.com	Quechan	Imperial, Kern, Los Angeles, Riverside, San Bernardino, San Diego	5/16/2023
San Fernando Band of Mission Indians	N	Donna Yocum, Chairperson	P.O. Box 221838 Newhall, CA, 91322	(503) 539-0933	(503) 574-3308	dyocum@sfbmi.org	Kitanemuk Vanyume Tataviam	Kern, Los Angeles, San Bernardino, Ventura	5/8/2023

Tribe Name	F/N	Contact Person	Contact Address	Phone #	Fax #	Email Address	Cultural Affiliation	Counties	Last Updated
San Manuel Band of Mission Indians	F	Alexandra McCleary, Senior Manager of Cultural Resources Management	26569 Community Center Drive Highland, CA, 92346	(909) 633-0054		alexandra.mccleary@sanmanuel-nsn.gov	Serrano	Kern, Los Angeles, Riverside, San Bernardino	1/16/2024
Serrano Nation of Mission Indians	N	Wayne Walker, Co-Chairperson	P. O. Box 343 Patton, CA, 92369	(253) 370-0167		serranonation1@gmail.com	Serrano	Kern, Los Angeles, Riverside, San Bernardino	10/10/2023
Serrano Nation of Mission Indians	N	Mark Cochrane, Co-Chairperson	P. O. Box 343 Patton, CA, 92369	(909) 578-2598		serranonation1@gmail.com	Serrano	Kern, Los Angeles, Riverside, San Bernardino	10/10/2023

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This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Angeleno Battery Energy Storage System Project, Los Angeles County.

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

January 15, 2025 13594.09

Mr. Rudy Ortega, Tribal President
Fernandeno Tataviam Band of Mission Indians
1019 Second Street, Suite 1
San Fernando, CA 91340

Subject: Information Request for the Prairie Song Reliability Project, Los Angeles County, California

Dear Mr. Ortega,

[redacted] LLC proposes to construct, operate, and eventually decommission the up to 1,150-megawatt [redacted] (Project) located on approximately 83.5 acres of land in the unincorporated community of Acton, Los Angeles County, California. Key components of the Project include a battery energy storage system facility, an operations and maintenance building, a Project substation, a 500-kilovolt overhead generation interconnection transmission line, and interconnection facilities within the existing Southern California Edison-operated Vincent Substation. The Project falls within Sections 27, 28, 33 and 34 of Township 5 North and Range 12 West of the Acton and Pacifico Mountain, California U.S.G.S. 7.5-minute Series Quadrangle (see Figure 1, Project Location Map).

As part of the cultural resources study prepared for the Project, Dudek has engaged the Native American Heritage Commission (NAHC) to request a Sacred Lands File (SLF) search and a list of Tribal representatives and organizations who hold knowledge of cultural resources in or near the proposed Project area. The NAHC emailed a response on January 27, 2023, indicating that the SLF search did not identify the presence of Native American cultural resources within a half-mile radius of the Project area.

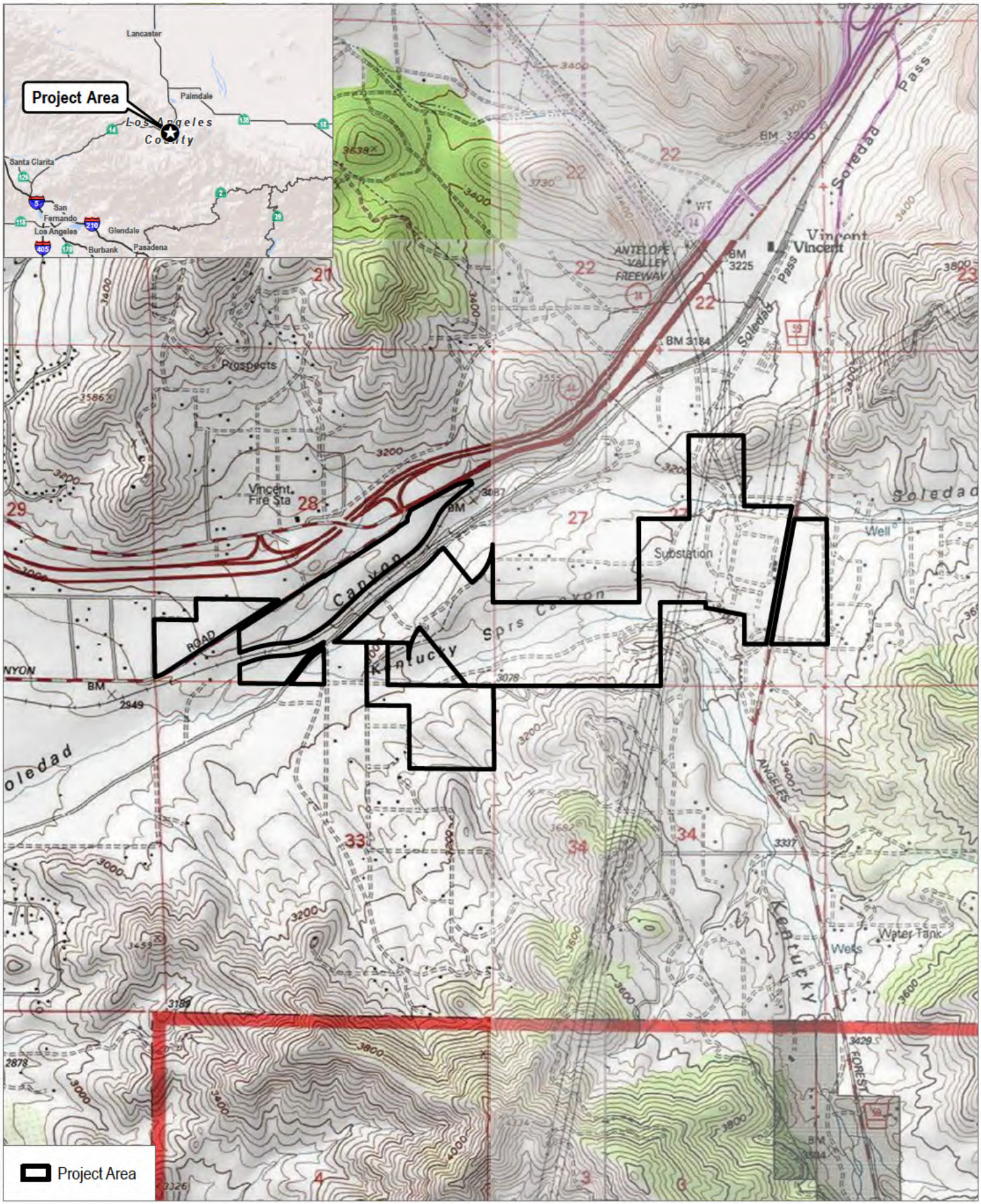
If you have any knowledge of cultural resources within or near the proposed Project area, or questions regarding the Project, please contact me by phone or email. Our engagement with Tribal representatives and organizations is invaluable to ensuring thorough and respectful Project planning.

Please note that this letter is not intended as notification under Assembly Bill 52 (AB 52), which mandates formal consultation with California Native American Tribes under the California Environmental Quality Act (CEQA). Through the AB 52 process, Tribal representatives and organizations seeking notification or consultation regarding the Project must contact the lead agency, the California Energy Commission, in writing pursuant to Public Resources Code Section 21080.3.1 (b).

Respectfully,

Roshanne Bakhtiary, M.A.
Archaeologist
DUDEK
Phone: (760) 557-0998
Email: rbakhtiary@dudek.com

Attachments: *Figure 1. Project Location Map*



SOURCE: USGS 7.5' Series 1:24,000

Acton & Pacifico Quadrangle - Township 5N Range 12W Section 27,28,33,34

DUDEK

0 1,000 2,000 Feet

0 280 560 Meters

FIGURE 1

Project Location

Prairie Song Reliability Project

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

January 15, 2025 13594.09

Mr. Robert Martin, Chairperson
Morongo Band of Mission Indians
12700 Pumarra Road
Banning, CA 92220

Subject: Information Request for the Prairie Song Reliability Project, Los Angeles County, California

Dear Mr. Martin,

[redacted] LLC proposes to construct, operate, and eventually decommission the up to 1,150-megawatt [redacted] (Project) located on approximately 83.5 acres of land in the unincorporated community of Acton, Los Angeles County, California. Key components of the Project include a battery energy storage system facility, an operations and maintenance building, a Project substation, a 500-kilovolt overhead generation interconnection transmission line, and interconnection facilities within the existing Southern California Edison-operated Vincent Substation. The Project falls within Sections 27, 28, 33 and 34 of Township 5 North and Range 12 West of the Acton and Pacifico Mountain, California U.S.G.S. 7.5-minute Series Quadrangle (see Figure 1, Project Location Map).

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Archaeologist
DUDEK
Phone: (760) 557-0998
Email: rbakhtiary@dudek.com

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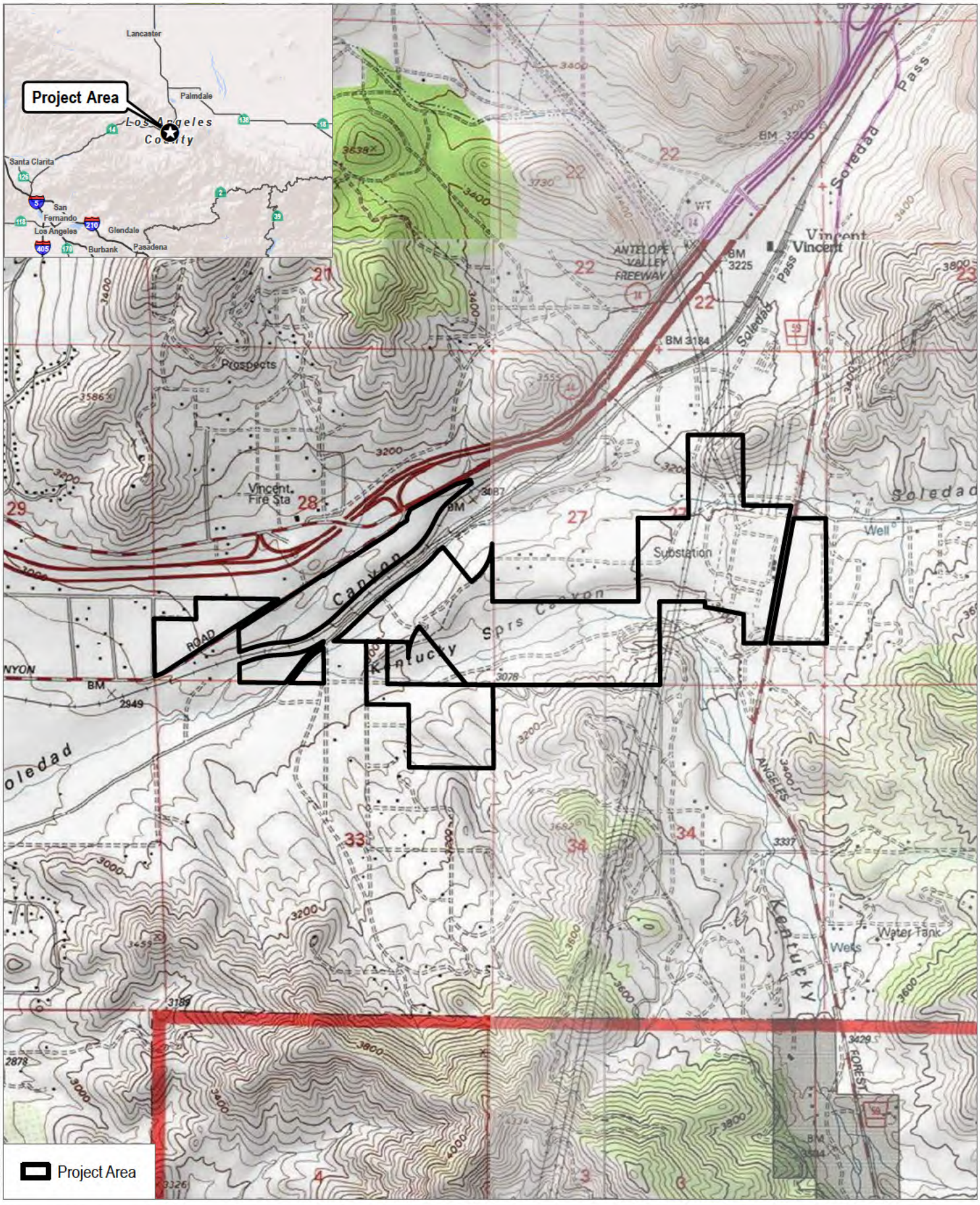

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0 1,000 2,000 Feet

0 280 560 Meters

FIGURE 1

Project Location

Prairie Song Reliability Project

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

January 15, 2025 13594.09

Ms. Ann Brierty, THPO
Morongo Band of Mission Indians
12700 Pumarra Road
Banning, CA 92220

Subject: Information Request for the Prairie Song Reliability Project, Los Angeles County, California

Dear Ms. Brierty,

[redacted] proposes to construct, operate, and eventually decommission the up to 1,150-megawatt [redacted] (Project) located on approximately 83.5 acres of land in the unincorporated community of Acton, Los Angeles County, California. Key components of the Project include a battery energy storage system facility, an operations and maintenance building, a Project substation, a 500-kilovolt overhead generation interconnection transmission line, and interconnection facilities within the existing Southern California Edison-operated Vincent Substation. The Project falls within Sections 27, 28, 33 and 34 of Township 5 North and Range 12 West of the Acton and Pacifico Mountain, California U.S.G.S. 7.5-minute Series Quadrangle (see Figure 1, Project Location Map).

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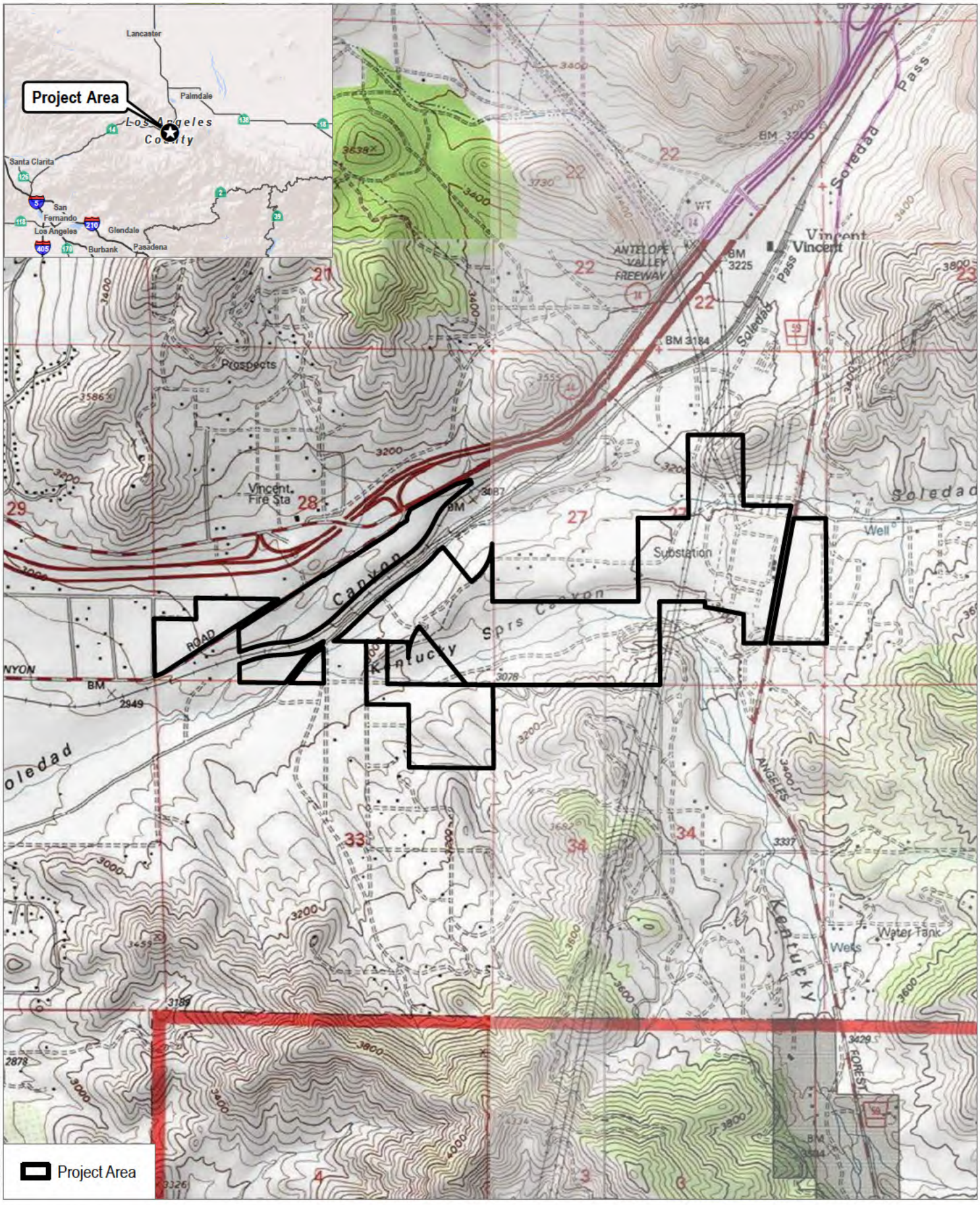

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0 280 560 Meters

FIGURE 1

Project Location

Prairie Song Reliability Project

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

January 15, 2025 13594.09

Ms. Jessica Mauck, Director of Cultural Resources
San Manuel Band of Mission Indians
26569 Community Center Drive
Highland, CA 92346

Subject: Information Request for the Prairie Song Reliability Project, Los Angeles County, California

Dear Ms. Mauck,

[redacted] proposes to construct, operate, and eventually decommission the up to 1,150-megawatt [redacted] (Project) located on approximately 83.5 acres of land in the unincorporated community of Acton, Los Angeles County, California. Key components of the Project include a battery energy storage system facility, an operations and maintenance building, a Project substation, a 500-kilovolt overhead generation interconnection transmission line, and interconnection facilities within the existing Southern California Edison-operated Vincent Substation. The Project falls within Sections 27, 28, 33 and 34 of Township 5 North and Range 12 West of the Acton and Pacifico Mountain, California U.S.G.S. 7.5-minute Series Quadrangle (see Figure 1, Project Location Map).

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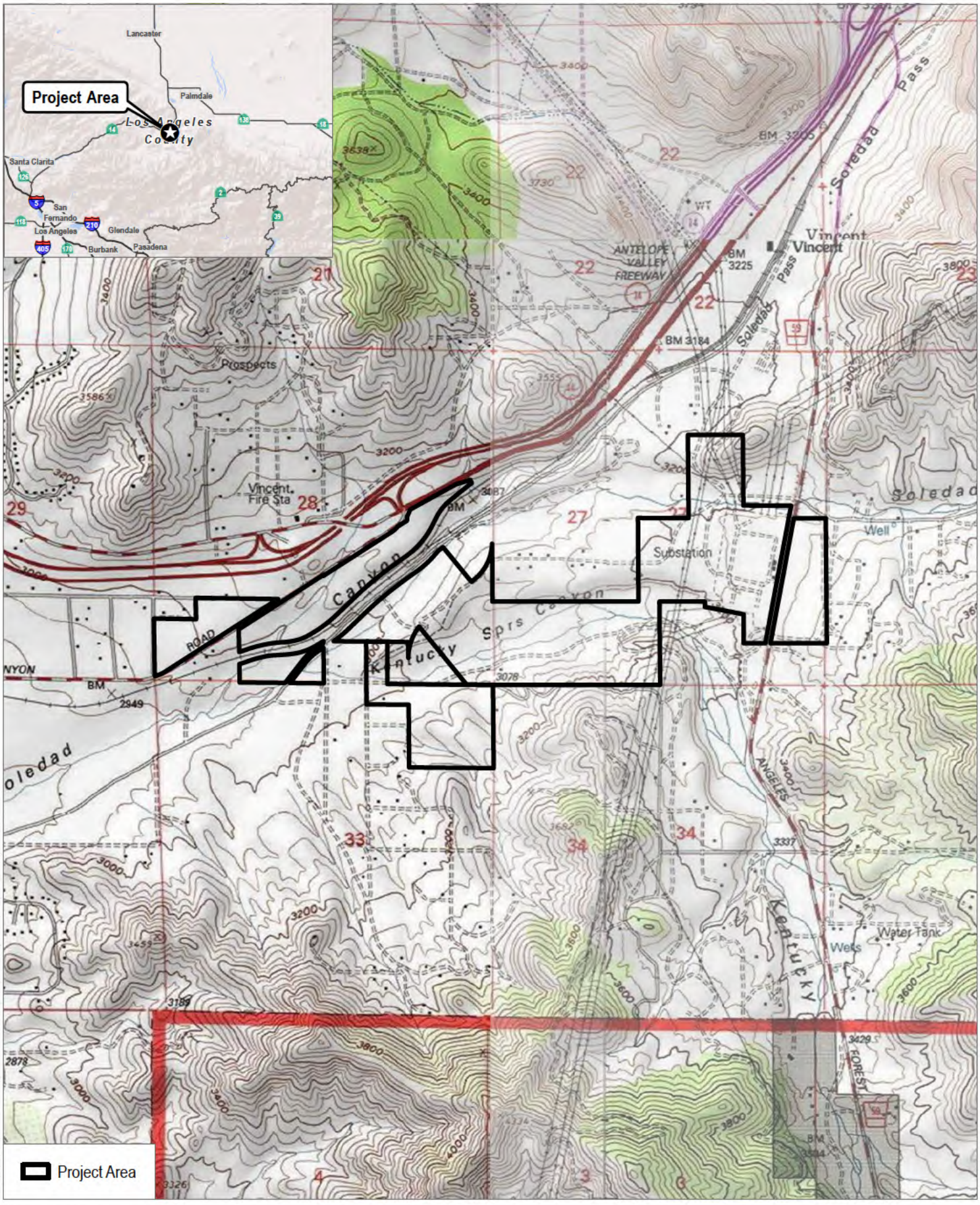

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Prairie Song Reliability Project

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MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

January 15, 2025 13594.09

Mr. Manfred Scott, Acting Chairman
Quechan Tribe of the Fort Yuma Reservation
P.O. Box 1899
Yuma, AZ 85366

Subject: Information Request for the Prairie Song Reliability Project, Los Angeles County, California

Dear Mr. Scott,

[redacted] LLC proposes to construct, operate, and eventually decommission the up to 1,150-megawatt [redacted] (Project) located on approximately 83.5 acres of land in the unincorporated community of Acton, Los Angeles County, California. Key components of the Project include a battery energy storage system facility, an operations and maintenance building, a Project substation, a 500-kilovolt overhead generation interconnection transmission line, and interconnection facilities within the existing Southern California Edison-operated Vincent Substation. The Project falls within Sections 27, 28, 33 and 34 of Township 5 North and Range 12 West of the Acton and Pacifico Mountain, California U.S.G.S. 7.5-minute Series Quadrangle (see Figure 1, Project Location Map).

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Roshanne Bakhtiary, M.A.
Archaeologist
DUDEK
Phone: (760) 557-0998
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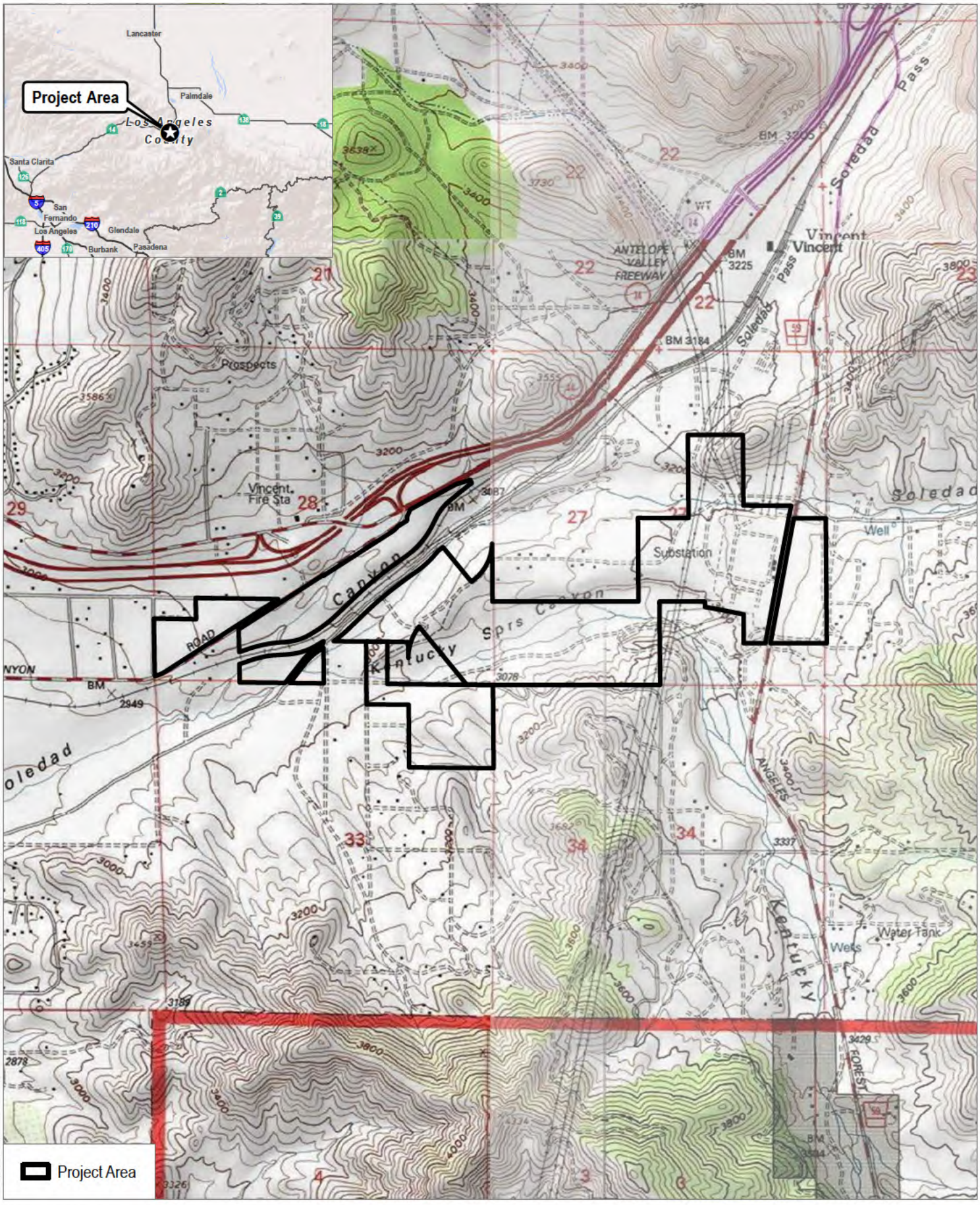

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FIGURE 1

Project Location

Prairie Song Reliability Project

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

January 15, 2025 13594.09

Ms. Jill McCormick, Historic Preservation Officer
Quechan Tribe of the Fort Yuma Reservation
P.O. Box 1899
Yuma, AZ 85366

Subject: Information Request for the Prairie Song Reliability Project, Los Angeles County, California

Dear Ms. McCormick,

[redacted] LLC proposes to construct, operate, and eventually decommission the up to 1,150-megawatt [redacted] (Project) located on approximately 83.5 acres of land in the unincorporated community of Acton, Los Angeles County, California. Key components of the Project include a battery energy storage system facility, an operations and maintenance building, a Project substation, a 500-kilovolt overhead generation interconnection transmission line, and interconnection facilities within the existing Southern California Edison-operated Vincent Substation. The Project falls within Sections 27, 28, 33 and 34 of Township 5 North and Range 12 West of the Acton and Pacifico Mountain, California U.S.G.S. 7.5-minute Series Quadrangle (see Figure 1, Project Location Map).

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Roshanne Bakhtiary, M.A.
Archaeologist
DUDEK
Phone: (760) 557-0998
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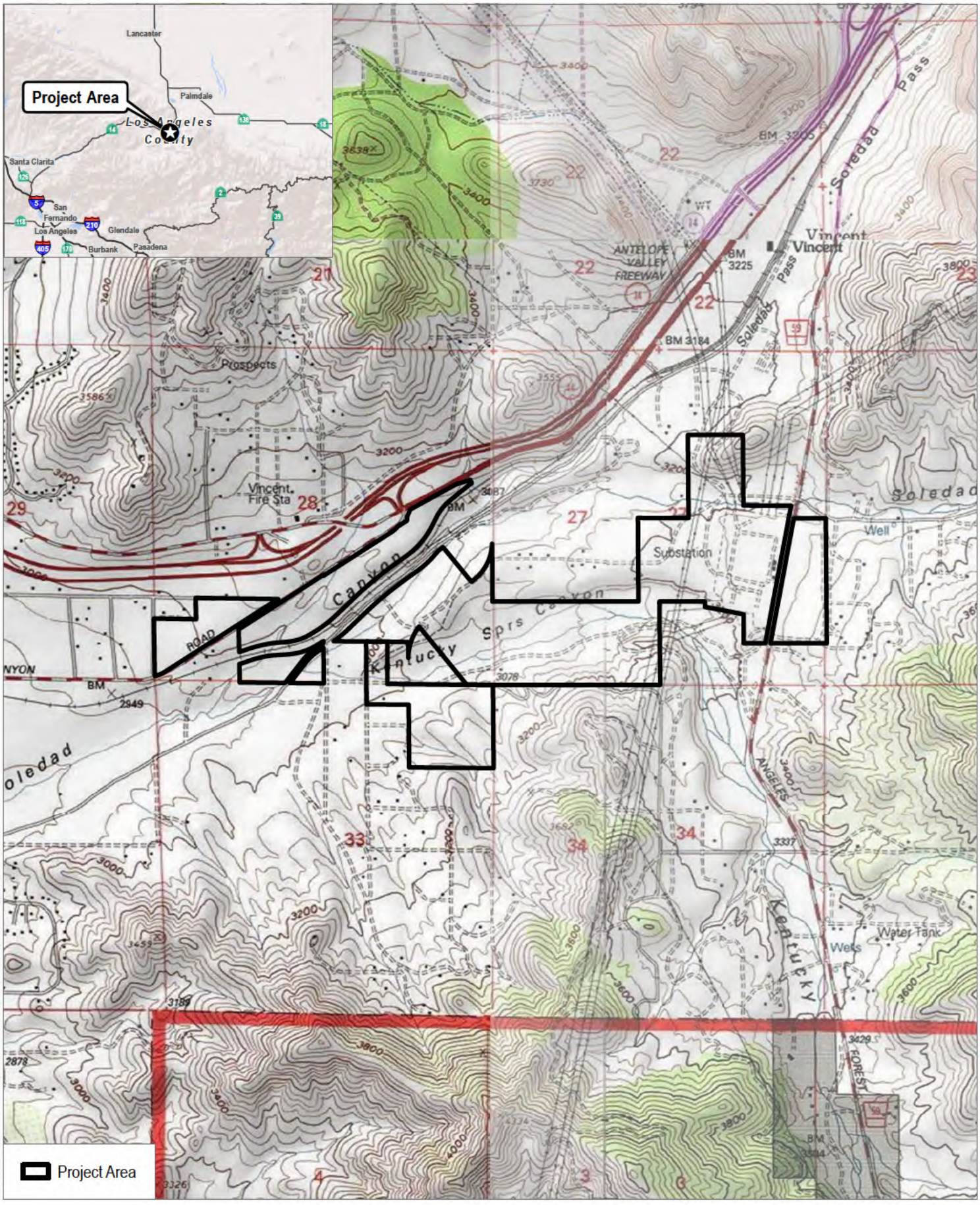

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Acton & Pacifico Quadrangle - Township 5N Range 12W Section 27,28,33,34

DUDEK

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FIGURE 1

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Prairie Song Reliability Project

DUDEK
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605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

January 15, 2025 13594.09

Ms. Donna Yocum, Chairperson
San Fernando Band of Mission Indians
P.O. Box 221838
Newhall, CA 91322

Subject: Information Request for the Prairie Song Reliability Project, Los Angeles County, California

Dear Ms. Yocum,

[redacted] LLC proposes to construct, operate, and eventually decommission the up to 1,150-megawatt [redacted] (Project) located on approximately 83.5 acres of land in the unincorporated community of Acton, Los Angeles County, California. Key components of the Project include a battery energy storage system facility, an operations and maintenance building, a Project substation, a 500-kilovolt overhead generation interconnection transmission line, and interconnection facilities within the existing Southern California Edison-operated Vincent Substation. The Project falls within Sections 27, 28, 33 and 34 of Township 5 North and Range 12 West of the Acton and Pacifico Mountain, California U.S.G.S. 7.5-minute Series Quadrangle (see Figure 1, Project Location Map).

As part of the cultural resources study prepared for the Project, Dudek has engaged the Native American Heritage Commission (NAHC) to request a Sacred Lands File (SLF) search and a list of Tribal representatives and organizations who hold knowledge of cultural resources in or near the proposed Project area. The NAHC emailed a response on January 27, 2023, indicating that the SLF search did not identify the presence of Native American cultural resources within a half-mile radius of the Project area.

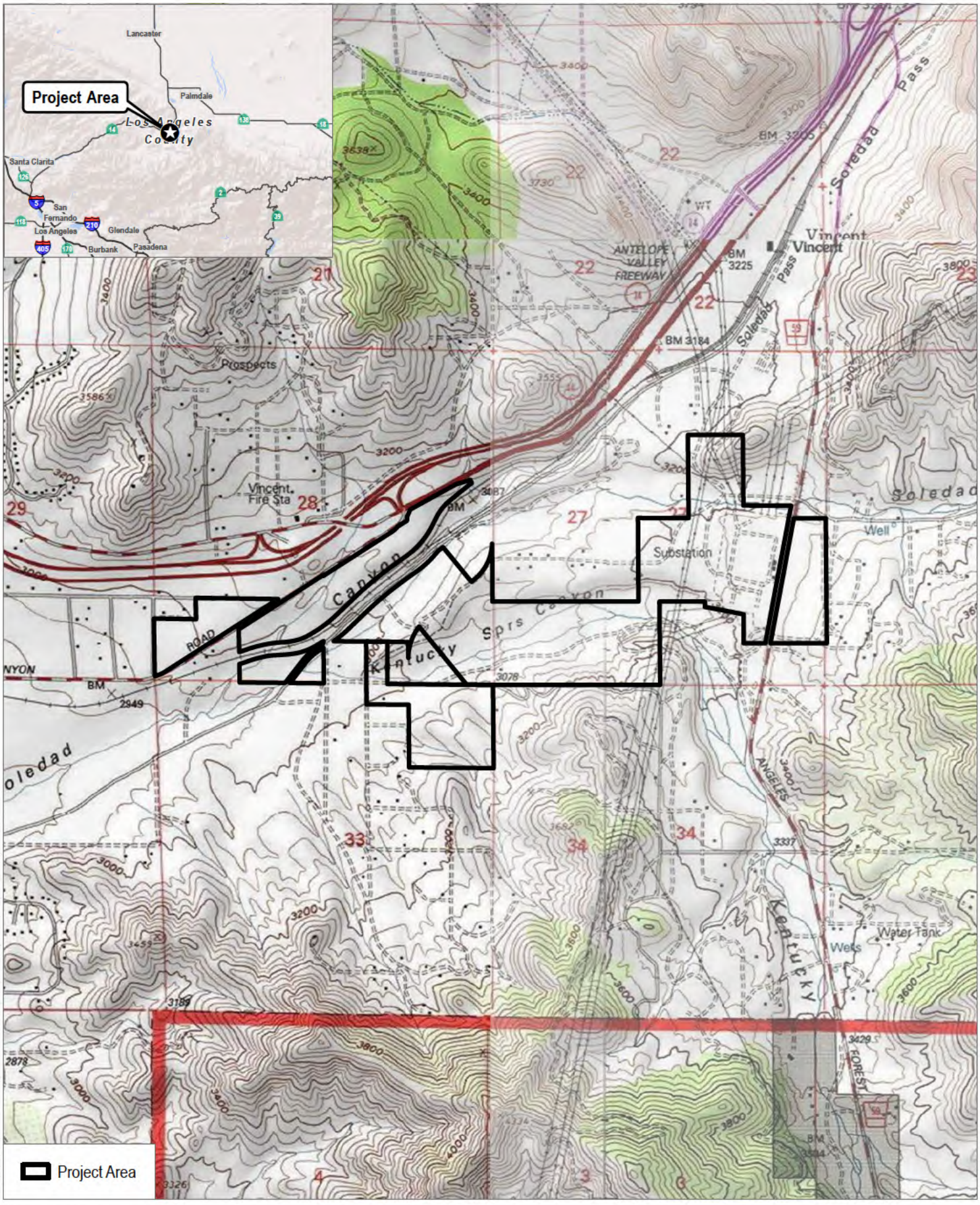
If you have any knowledge of cultural resources within or near the proposed Project area, or questions regarding the Project, please contact me by phone or email. Our engagement with Tribal representatives and organizations is invaluable to ensuring thorough and respectful Project planning.

Please note that this letter is not intended as notification under Assembly Bill 52 (AB 52), which mandates formal consultation with California Native American Tribes under the California Environmental Quality Act (CEQA). Through the AB 52 process, Tribal representatives and organizations seeking notification or consultation regarding the Project must contact the lead agency, the California Energy Commission, in writing pursuant to Public Resources Code Section 21080.3.1 (b).

Respectfully,

Roshanne Bakhtiary, M.A.
Archaeologist
DUDEK
Phone: (760) 557-0998
Email: rbakhtiary@dudek.com

Attachments: *Figure 1. Project Location Map*



SOURCE: USGS 7.5' Series 1:24,000

Acton & Pacifico Quadrangle - Township 5N Range 12W Section 27,28,33,34

DUDEK

0 1,000 2,000 Feet

0 280 560 Meters

FIGURE 1

Project Location

Prairie Song Reliability Project

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

January 15, 2025 13594.09

Mr. Wayne Walker, Co-Chairperson
Serrano Nation of Mission Indians
P.O. Box 343
Patton, CA 92369

Subject: Information Request for the Prairie Song Reliability Project, Los Angeles County, California

Dear Mr. Walker,

[redacted] LLC proposes to construct, operate, and eventually decommission the up to 1,150-megawatt [redacted] (Project) located on approximately 83.5 acres of land in the unincorporated community of Acton, Los Angeles County, California. Key components of the Project include a battery energy storage system facility, an operations and maintenance building, a Project substation, a 500-kilovolt overhead generation interconnection transmission line, and interconnection facilities within the existing Southern California Edison-operated Vincent Substation. The Project falls within Sections 27, 28, 33 and 34 of Township 5 North and Range 12 West of the Acton and Pacifico Mountain, California U.S.G.S. 7.5-minute Series Quadrangle (see Figure 1, Project Location Map).

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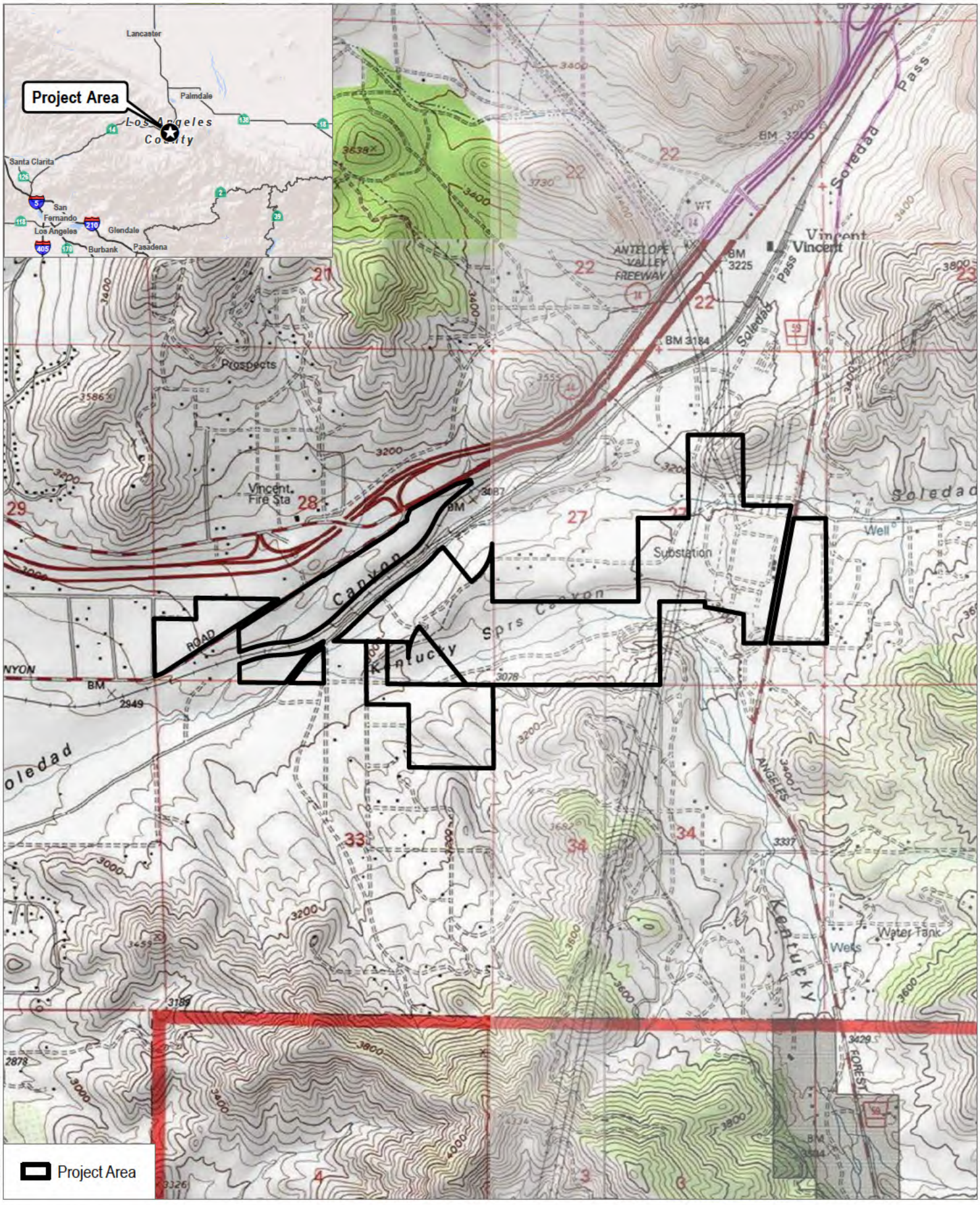

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ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

January 15, 2025 13594.09

Mr. Mark Cochrane, Co-Chairperson
Serrano Nation of Mission Indians
P.O. Box 343
Patton, CA 92369

Subject: Information Request for the Prairie Song Reliability Project, Los Angeles County, California

Dear Mr. Cochrane,

[redacted] LLC proposes to construct, operate, and eventually decommission the up to 1,150-megawatt [redacted] (Project) located on approximately 83.5 acres of land in the unincorporated community of Acton, Los Angeles County, California. Key components of the Project include a battery energy storage system facility, an operations and maintenance building, a Project substation, a 500-kilovolt overhead generation interconnection transmission line, and interconnection facilities within the existing Southern California Edison-operated Vincent Substation. The Project falls within Sections 27, 28, 33 and 34 of Township 5 North and Range 12 West of the Acton and Pacifico Mountain, California U.S.G.S. 7.5-minute Series Quadrangle (see Figure 1, Project Location Map).

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Phone: (760) 557-0998
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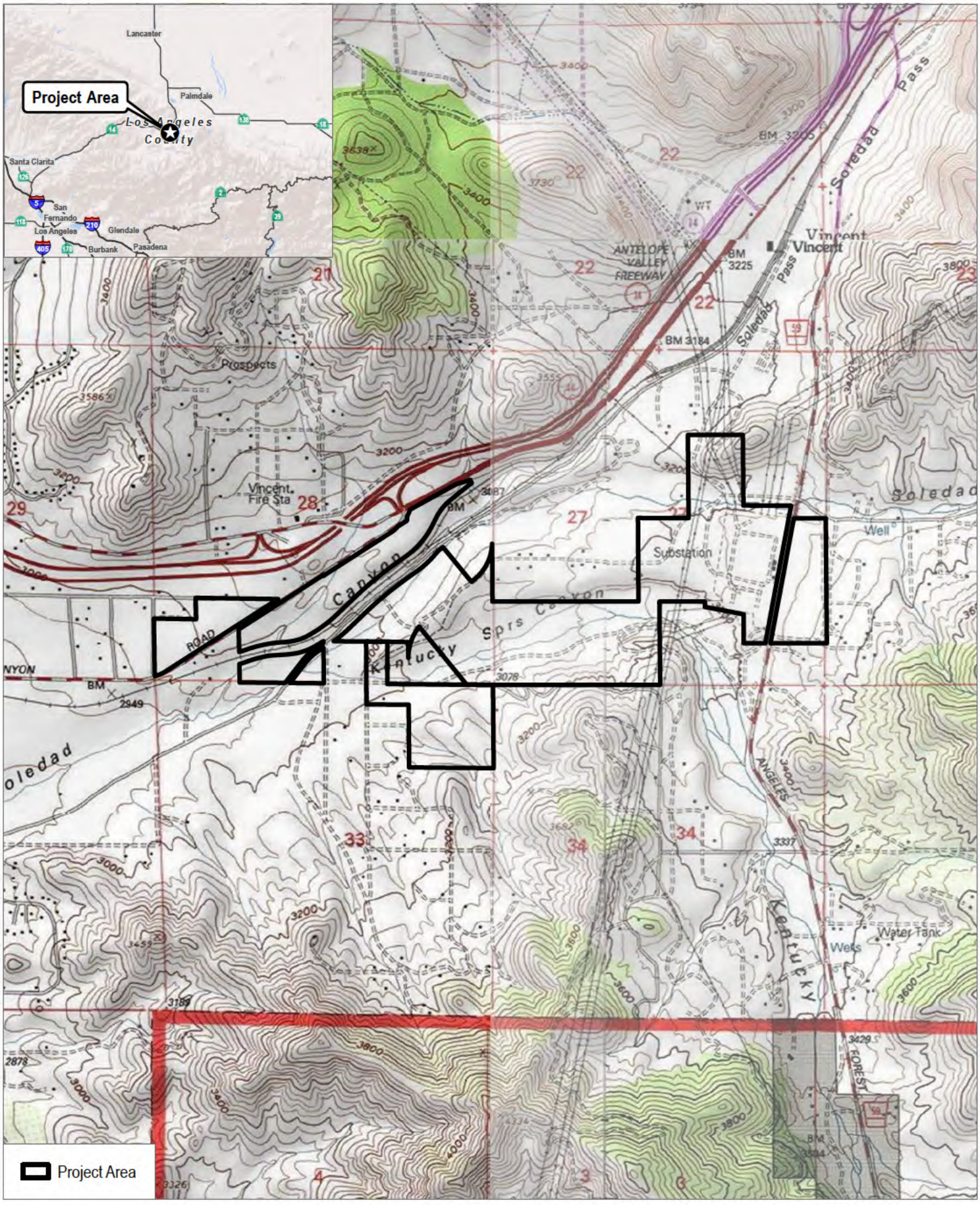

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Prairie Song Reliability Project

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

January 20, 2025 13594.09

Ms. Alexandra McCleary, Senior Manager of Cultural Resources Management
San Manuel Band of Mission Indians
26569 Community Center Drive
Highland, CA 92346

Subject: Information Request for the Prairie Song Reliability Project, Los Angeles County, California

Dear Ms. McCleary,

[redacted] LLC proposes to construct, operate, and eventually decommission the up to 1,150-megawatt [redacted] (Project) located on approximately 83.5 acres of land in the unincorporated community of Acton, Los Angeles County, California. Key components of the Project include a battery energy storage system facility, an operations and maintenance building, a Project substation, a 500-kilovolt overhead generation interconnection transmission line, and interconnection facilities within the existing Southern California Edison-operated Vincent Substation. The Project falls within Sections 27, 28, 33 and 34 of Township 5 North and Range 12 West of the Acton and Pacifico Mountain, California U.S.G.S. 7.5-minute Series Quadrangle (see Figure 1, Project Location Map).

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Archaeologist
DUDEK
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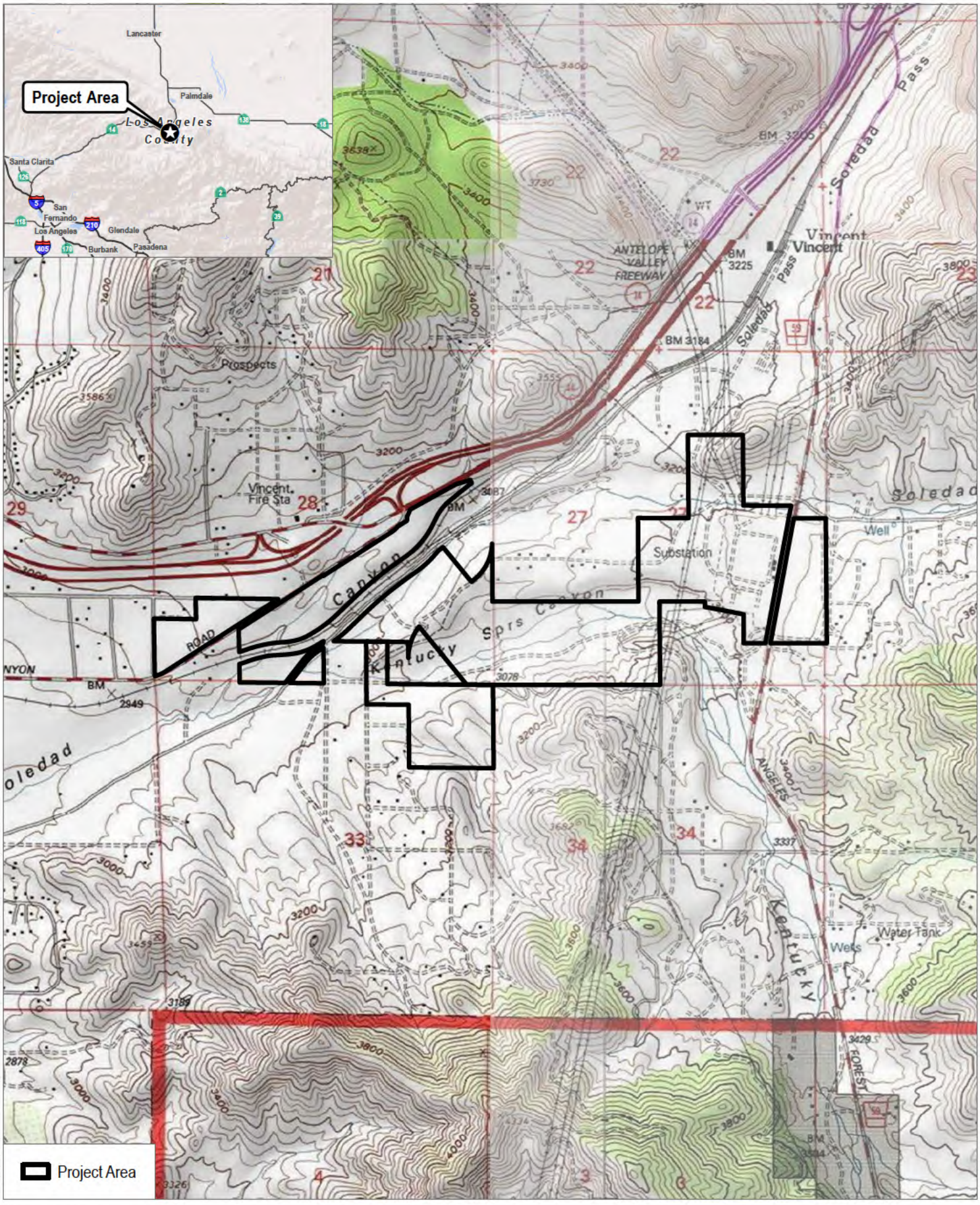

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605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

January 20, 2025 13594.09

Mr. Jordan Joaquin, President
Quechan Tribe of the Fort Yuma Reservation
P.O. Box 1899
Yuma, AZ 85366

Subject: Information Request for the Prairie Song Reliability Project, Los Angeles County, California

Dear Mr. Joaquin,

[redacted] LLC proposes to construct, operate, and eventually decommission the up to 1,150-megawatt [redacted] (Project) located on approximately 83.5 acres of land in the unincorporated community of Acton, Los Angeles County, California. Key components of the Project include a battery energy storage system facility, an operations and maintenance building, a Project substation, a 500-kilovolt overhead generation interconnection transmission line, and interconnection facilities within the existing Southern California Edison-operated Vincent Substation. The Project falls within Sections 27, 28, 33 and 34 of Township 5 North and Range 12 West of the Acton and Pacifico Mountain, California U.S.G.S. 7.5-minute Series Quadrangle (see Figure 1, Project Location Map).

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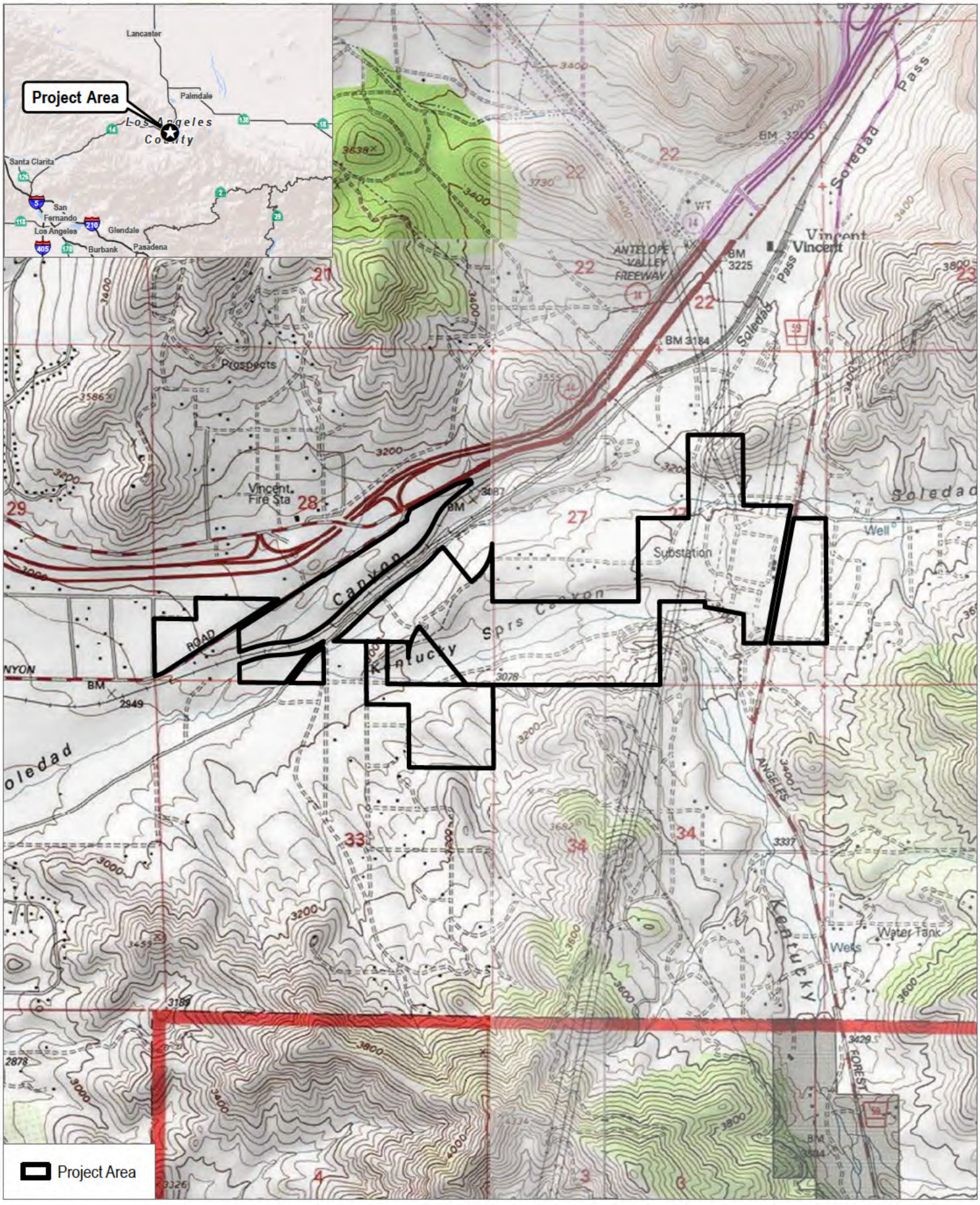
Respectfully,

Roshanne Bakhtiary, M.A.
Archaeologist
DUDEK
Phone: (760) 557-0998
Email: rbakhtiary@dudek.com

Attachments: *Figure 1. Project Location Map*



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DUDEK

0 1,000 2,000 Feet

0 280 560 Meters

FIGURE 1

Project Location

Prairie Song Reliability Project

Roshanne Bakhtiary

From: Raylene Borrego <Raylene.Borrego@sanmanuel-nsn.gov>
Sent: Tuesday, January 21, 2025 5:15 PM
To: Roshanne Bakhtiary
Subject: Response to Information Request: [redacted], Los Angeles County, California

Follow Up Flag: Flag for follow up
Flag Status: Flagged

Dear Roshanne,

Thank you for contacting the San Manuel Band of Mission Indians concerning the above-mentioned proposed project area. San Manuel appreciates the opportunity to review the project documentation received by the Cultural Resources Management Department on January 21st, 2025. Based on our current knowledge, the proposed project site is considered highly culturally sensitive by the Tribe due to its proximity to the Santa Clara River and previously recorded sites.

As the area is of concern, the Tribe will wish to engage in government-to-government consultation pursuant to AB 52 with the Lead Agency for the project.

I'd also like to update our point of contact for all matters concerning cultural resources, as Ms. Jessica Mauck is no longer working for SMBMI. The preferred person to contact is:

Alexandra McCleary
Director of Cultural Resources Management
Office: (909) 864-8933 ext. 2023
Work Mobile: (909) 633-0054
Email: Alexandra.mccleary@sanmanuel-nsn.gov

Thank you again for your correspondence, if you have any additional questions or comments, please reach out to me at your earliest convenience.

Kindly,
Raylene

Raylene Borrego
Cultural Resources Technician
Raylene.Borrego@sanmanuel-nsn.gov
O:(909) 864-8933 x 50-2035
M:(909) 737-3349
26569 Community Center Dr Highland, California 92346

Roshanne Bakhtiary

From: Jill Mccormick <historicpreservation@quechantribe.com>
Sent: Tuesday, January 28, 2025 8:44 AM
To: Roshanne Bakhtiary
Subject: [redacted]

Follow Up Flag: Follow up
Flag Status: Completed

Good morning,
This email is to inform you that the Historic Preservation Office does not wish to comment on this project. We defer to the local Tribes and support their determinations on this matter. Email correspondence is the preferred method of communication with this office. Hard copies of project letters are not required if an email containing the project documents has been sent to the Historic Preservation Office.

Jill

H. Jill McCormick, M.A.
Historic Preservation Office
Ft. Yuma Quechan Indian Tribe
P.O. Box 1899
Yuma, AZ 85366-1899
Office: 760-919-3631
Cell: 928-920-6521

Roshanne Bakhtiary

From: Eunice Ambriz <Eunice.Ambriz@sanmanuel-nsn.gov>
Sent: Wednesday, January 29, 2025 9:54 AM
To: Roshanne Bakhtiary
Subject: Response to Information Request - [redacted], Los Angeles County
Attachments: [redacted]pdf

Good morning,

Could you please provide us with a map/s such as an aerial view of the proposed project area so we can assess the exact location? Please let me know if you have any questions.

Thank you,
Eunice

Eunice Ambriz
Cultural Resources Technician
Eunice.Ambriz@sanmanuel-nsn.gov
O:(909) 864-8933 x 50-2033
M:(909) 649-4867
26569 Community Center Dr Highland, California 92346

Appendix E
(Confidential) DPR Site Forms

Attachment 3

Section 3.4, Geological Resources and Hazards - Redline Version

3.4 Geological Hazards and Resources

This section describes the potential effects of the construction and operation of the Prairie Song Reliability Project (project) may have on geological hazards and resources at and in the vicinity of the project site. The project will consist of an up to 1,150-megawatt (MW) containerized battery energy storage system (BESS) facility utilizing lithium-iron phosphate cells, or similar technology, operations and maintenance (O&M) buildings, a project substation, a 500-kilovolt (kV) overhead generation interconnection (gen-tie) transmission line, and interconnection facilities within the existing Southern California Edison (SCE) owned and operated Vincent Substation.

This evaluation of geological hazards and resources includes the following elements:

- Section 3.4.1 describes the existing environment that could be affected, including regional and local geologic environment, faulting, and seismicity, and geologic resources.
- Section 3.4.2 identifies potential environmental impacts that may result from project construction, operation, maintenance, and decommissioning.
- Section 3.4.3 discusses cumulative effects.
- Section 3.4.4 describes project design and mitigation measures that will be implemented to avoid or minimize potentially significant impacts.
- Section 3.4.5 presents laws, ordinances, regulations, and standards (LORS) applicable to geologic resources.
- Section 3.4.6 identifies regulatory agency contacts.
- Section 3.4.7 describes permits required for the project related to geologic hazards and resources.
- Section 3.4.8 provides references used to develop this section.

The following environmental setting and impact evaluation is based in part on the following project-specific geotechnical report and engineering plans:

- Appendix 2A – Site Plan Package
- Appendix 3.4A – Geotechnical Report (Terracon 2025)

A summary of the geological hazards and resources evaluation is provided in the table below.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
1) Directly or indirectly cause potential adverse effects, including the risk of loss, injury, or death involving the following: Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault?	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
Strong seismic ground shaking? Seismic-related ground failure, including liquefaction? Landslides?				
2) Be located on a geologic unit or soil that is unstable or that would become unstable as a result of the project, and potentially result in onsite- or offsite landslide, subsidence, liquefaction, or collapse?	☐	☐	☒	☐
3) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property.	☐	☐	☒	☐
4) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
5) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local plan, specific plan, or other land use plan?	☐	☐	☐	☒

3.4.1 Affected Environment

3.4.1.1 Regional Geology

The project site is located within the Transverse Ranges Geomorphic Province. The Transverse Ranges are characterized by an east-west trending series of steep mountain ranges and valleys (CGS 2002). The east-west structure of the Transverse Ranges is oblique to the normal northwest trend of coastal California, hence the name "Transverse." The province extends offshore to include San Miguel, Santa Rosa, and Santa Cruz islands. Its eastern extension, the San Bernardino Mountains, has been displaced to the south along the San Andreas Fault. Intense north–south compression by tectonic forces is squeezing the Transverse Ranges. As a result, this is one of the most rapidly rising regions on earth. Great thicknesses of Cenozoic (younger than 66 million years old) petroleum-rich sedimentary rocks have been folded and faulted, making this one of the important oil producing areas in the United States.

3.4.1.2 Local Geology and Stratigraphy

The proposed BESS facility site has an approximately 4% slope increasing from the southwest to the northeast direction (Appendix 3.4A). The approximate elevations of the BESS facility site range from 2,980 feet to 3,140 feet. The proposed gen-tie routes will traverse flat terrains and rolling hill topographies. The elevation at the proposed

gen-tie structures ranges from 3,010 feet to 3,125 feet. The majority of the surface of the project site is covered by exposed soils with desert vegetation.

According to geologic mapping by the U.S. Geologic Survey, the subsurface regime of the project site is primarily underlain by Mesozoic (252 to 66 million years ago) granitic rocks (grMz map symbol) as well as some of portions of the site underlain by Precambrian (older than 539 million years) granitic rocks (grpC map symbol) (Figure 3.4-1, Geological Units). Mesozoic granitic rocks consist of a wide variety of coarse-grained igneous rocks formed when magma that intruded the earth's crust cooled and was later exposed by erosion. Granitic rocks occur throughout the state, but are most common in the mountainous areas such as the Klamath Mountains, the Sierra Nevada, and the Peninsular Ranges. Some granitic rocks are Cenozoic, Paleozoic (539 to 252 million years ago), and Precambrian. According to the geotechnical investigation performed at the project site, the near surface materials that underly the proposed BESS facility site include loose to medium dense sand with varying amounts of silt, clay, and gravel which becomes more dense (i.e., medium dense to very dense) with depth.

3.4.1.3 Summary of Geotechnical Investigation

A subsurface geotechnical investigation was completed for the project (Appendix3.4A. The purpose of the investigation was to provide information and geotechnical engineering recommendations relative to:

- Subsurface soil conditions
- Groundwater conditions
- Seismic site classification per the California Building Code (CBC)
- Site preparation and earthwork
- Foundation design and construction
- Access roadway design and construction
- Infiltration design rates

The project's geotechnical investigation included test borings, electrical resistivity testing, laboratory testing, engineering analysis, and preparation of a report (Appendix 3.4A). Specifically, the geotechnical investigation included the following:

- Fifteen (15) soil test borings to approximately 21 feet to 51.5 feet below ground surface (bgs) in the proposed BESS yards
- Two (2) soil test borings to approximately 51.5 feet bgs in the proposed substation area within the BESS facility site
- Two (2) soil test borings to approximately 21.5 feet bgs in the proposed Operations and Maintenance (O&M) building area
- Seven (7) soil test borings to approximately 51.5 feet bgs along the gen-tie routes
- Four (4) percolation tests at approximately 3 feet and 5 feet bgs in the proposed stormwater basin areas within the BESS yards
- Corrosion testing on soil samples obtained from seven (7) locations
- Field electrical resistivity tests at seven (7) locations
- Lab thermal resistivity testing on soil samples obtained from four (4) locations

3.4.1.4 Faulting and Seismicity

The project site is located in a geologically complex and seismically active region that is subject to earthquakes and potentially strong ground shaking. Based on criteria established by the California Geological Survey (CGS), faults are classified as either Holocene-active, pre-Holocene, or age-undetermined. Faults are considered active when they have shown evidence of movement within the past 11,700 years (i.e., Holocene epoch). Pre-Holocene faults, also known as potentially active faults, are those that have shown evidence of movement more than 11,700 years ago and generally before 1.6 million years (Quaternary age). Faults whose age of most recent movement is not known or is unconstrained by dating methods or by limitations in stratigraphic resolution are considered age-undetermined and inactive (CGS 2018). These CGS fault classifications are in part used to determine locations of Alquist–Priolo Fault Zones, which are regulatory zones that set exclusionary minimum distances for human occupancy from active faults that have the potential for surface rupture. No structures designed for human occupancy can be placed over the fault or within 50 feet in any direction.

No Holocene-active faults or their associated Alquist–Priolo Fault Zones intersect or are in the immediate vicinity of the project site. The closest such zone is located approximately 7 miles northeast of the site, along the San Andreas Fault (Figure 3.4-2, Faults).

While no Holocene-active faults are located on-site, several Holocene-active faults are located within the vicinity project site (Table 3.4-2, Faults). The closest major Holocene-active fault is the San Andreas Fault, located approximately 4 miles northeast of the project site (Figure 3.4-2, Faults). The San Fernando fault was the source of a 6.6 magnitude earthquake in 1971. In addition, there are several mapped fault strands throughout the area with the closest located approximately 0.4 miles northeast of the project site; however these strands are age-undetermined (CGS 2025a).

Table 3.4-1. Regional Active Faults

Fault	Approximate Distance and Direction to Project Site
San Andreas (Holocene-active)	4 miles to the northeast of the site
Soledad (pre-Holocene/Quaternary)	5 miles southwest of the site
San Gabriel (Late Quaternary)	12 miles southwest of the site
San Fernando (Holocene-active;historic)	15 miles southwest of the site

Source: CGS 2025a.
Note: Late Quaternary faults are defined as faults that have evidence of displacement between 700,000 to 11,700 years ago.

3.4.1.5 Liquefaction

Liquefaction is a mode of ground failure that results from the generation of high pore water pressures during earthquake ground shaking, causing loss of shear strength. Liquefaction is typically a hazard where loose saturated sandy soils are present. The CGS has designated certain areas as potential liquefaction hazard zones. These are areas considered at a risk of liquefaction-related ground failure during a seismic event, based upon mapped surficial deposits and the presence of a relatively shallow water table.

The BESS facility site is not located within a liquefaction hazard zone as designated by the CGS (Appendix 3.4A). According to the geotechnical investigation for the project, portions of the proposed gen-tie routes are located within a potential liquefaction hazard zone (see Figure 3.4-3). An examination of the geotechnical exploration data indicated that the native soils encountered in the exploratory borings generally consisted of loose to very dense

sand to the maximum exploration depth of 51.5 feet below ground surface (bgs). Groundwater was not encountered in these borings while drilling and the recorded historical groundwater depth is more than 100 feet bgs. To evaluate the presence of liquefiable soils and determine the amount of settlement of saturated/unsaturated soils during seismic shaking, a liquefaction analysis was performed in accordance with the DMG Special Publication 117 as detailed in Appendix 3.4A. Based on the depth to groundwater (100 feet bgs), liquefaction hazard risk was considered to be low (Appendix 3.4A).

3.4.1.6 Landslides

The potential for landslides to occur depends on a variety of factors including, but not limited to, the steepness of the slope, geology, and soil moisture present in the underlying materials. The project site is not located within a landslide hazard zone as designated by CGS (CGS 2003a; 2003b). Landslide susceptibility is shown in Figure 3.4-4. According to mapping data from the Department of Conservation, the majority of the BESS site is in an area that has generally low susceptibility for landslides. The nearest reported landslide occurred on February 25, 2023 along Soledad Canyon Road near Agua Dulce Canyon Road, located approximately 11 miles southwest of the project site (CGS 2025b).

3.4.1.7 Subsidence

Subsidence occurs when a substantial portion of land is vertically displaced, usually due to the withdrawal of groundwater, oil, or natural gas, or as a result of decomposition of natural organic materials. Soils that are particularly subject to subsidence include those with high silt or clay content and/or high organic content. The effects of subsidence include damage to buildings and infrastructure, increased flood risk in low-lying areas, and lasting damage to groundwater aquifers and aquatic systems.

The project site is not located in an area of historic or recent subsidence (USGS 2025).

3.4.1.8 Tsunamis and Seiches

Tsunamis are large ocean waves that are seismically induced and often the result of offshore earthquakes or landslides. The project site is not located in a coastal area and will not be susceptible to tsunami runup, and as a result this issue is not discussed further in this document.

Seiches are waves and oscillations within confined or semi-confined bodies of water that are seismically induced by ground shaking. There are no large, confined or semi-confined bodies of water immediately adjacent to the site; therefore, the project site will not be subject to seiche hazards and is not discussed further in this document.

3.4.1.9 Geologic Resources of Recreational, Commercial, or Scientific Value

The California Division of Mines and Geology classifies the regional significance of mineral resources in accordance with the California Surface Mining and Reclamation Act (SMARA) of 1975, using a classification system that divides land into four mineral resource zones (MRZs) that have been designated based on quality and significance of mineral resources. The project site is not located within a designated MRZ (CDMG 1994; Los Angeles County 2014a), and no mines or gravel pits are located in the vicinity of the project site (CDOC 2016). According to the Los Angeles County General Plan and Antelope Valley Area Plan, t~~T~~he nearest MRZs with known aggregate resources

(MRZ-2 areas) are located approximately 11 miles to the southwest and approximately 8 miles to the northeast (Los Angeles County 2014a, 2014b) (Figure 3.4-5, Mineral Resources Zones).

The California Geologic Energy Management Division (CalGEM) provides locations of active and abandoned oil and gas wells in California. The project site is not located in a designated CalGEM oil/gas field, and no oil/gas wells are located in the vicinity of the site (CalGEM 2025).

3.4.2 Impact Analysis

The following sections present the potential effects from the construction and operation of the proposed project on geologic hazards and geologic resources.

3.4.2.1 Methodology

Potential direct and indirect project impacts related to geological hazards and resources were evaluated against the California Environmental Quality Act (CEQA) Guidelines and are discussed below.

3.4.2.2 Impact Evaluation Criteria

Appendix G of the California Environmental Quality Act is a screening tool, not a method for setting thresholds of significance. Appendix G is typically used in the Initial Study phase of the CEQA process, asking a series of questions. The purpose of these questions is to make a determination as to whether a project requires an EIR, a Mitigated Negative Declaration or a Negative Declaration. As the Governor's Office of Planning and Research stated, "Appendix G of the Guidelines lists a variety of potentially significant effects, but does not provide a means of judging whether they are indeed significant in a given set of circumstances."

The answers to the Appendix G questions are not determinative of whether an impact is significant or less than significant. Nevertheless, the questions presented in CEQA Appendix G are instructive. With respect to geological hazards and resources, CEQA Appendix G asks, in part, would the project:

- Directly or indirectly cause potential adverse effects, including the risk of loss, injury, or death involving the following:
  - Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault
  - Strong seismic ground shaking
  - Seismic-related ground failure, including liquefaction
  - Landslides
- Be located on a geologic unit or soil that is unstable or that would become unstable as a result of the project, and potentially result in onsite- or offsite landslide, subsidence, liquefaction, or collapse.
- Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property.
- Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state.

- Result in the loss of availability of a locally important mineral resource recovery site delineated on a local plan, specific plan, or other land use plan.

3.4.2.3 CEQA Appendix G Assessment Criteria

3.4.2.3.1 Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

A. Rupture of a known earthquake fault, as delineated on the most recent Alquist–Priolo Earthquake Fault Zoning Map, issued by the State Geologist for the area based on other substantial evidence of as known fault?

No Impact. According to the CGS, Holocene-active faults are considered to be most at risk of experiencing fault rupture in the event of a seismic event and as such are regulated by the Alquist–Priolo Earthquake Fault Zoning Act (CGS 2018). As discussed in Section 3.4.1.4, the project site is not located within or near an Alquist–Priolo Fault Zone, and no known Holocene-active faults intersect any of the proposed project elements. The closest ~~major~~ Holocene-active fault to the project site is the San Andreas fault, located approximately 4 miles northeast of the project site, and while there are mapped fault strands closer to the site, they are identified as pre-Quaternary (i.e., no evidence of displacement within at least the last 11,700 years) and thus not likely to experience fault rupture (Figure 3.4-2, Faults). In addition, construction and operation of the project will not increase the potential for earthquakes or fault movement to occur. The proposed project will not directly or indirectly cause potential substantial adverse effects, including rupture of a known earthquake fault. **No impact** will occur.

B. Strong seismic ground shaking?

Less than Significant. The closest major Holocene-active fault is the San Andreas Fault, located approximately 4 miles northeast of the project site (Figure 3.4-2, Faults). Other Holocene-active faults in the area includes the San Fernando Fault located approximately 15 miles southwest of the project site. There are also unnamed age-undetermined fault strands in the area including one approximately 0.4 miles to the northeast of the site. Moderate to strong ground shaking is anticipated as a result of an earthquake on these and other regional faults, including the San Andreas Fault. The degree of ground shaking will depend on numerous factors including the magnitude and distance to the epicenter as well as the duration of shaking. The proposed project will be constructed in accordance with the recommendations of the project-specific geotechnical report (Appendix 3.4A), Los Angeles County Building Code, Los Angeles County Grading Ordinance, current seismic design specifications, current California Building Code (CBC) standards, and other applicable regulatory requirements, which will include seismic design requirements to reduce the potential for risks related to seismic events. Therefore, the proposed project will not directly or indirectly cause potential substantial adverse effects, including strong seismic ground shaking. Impacts will be **less than significant**.

C. Seismic-related ground failure, including liquefaction?

Less than Significant. Liquefaction is a geotechnical hazard that is generally highest when saturated cohesionless soils (e.g., sandy soils) within 50 feet of ground surface are subjected to seismic ground shaking. Seismically induced ground shaking could exacerbate soil settlement, including differential settlement, which is variable amounts of settlement over a given distance. Differential settlement can result in cracking and distress of foundations, utilities, and other infrastructure. However, the project's site-specific geotechnical investigation determined that the depth to groundwater was more than 100 feet bgs and thus will have a low potential for

liquefaction. In addition, the report concluded that the proposed construction will not be subjected to a hazard from settlement, slippage, or landslide, provided the recommendations of the report are incorporated into the proposed construction which is consistent with building code requirements. The proposed project will be constructed in accordance with Los Angeles County Building Code including current seismic design specifications, current CBC standards, and other regulatory requirements, which will reduce the potential for risks related to seismic ground failure. Therefore, the proposed project will not directly or indirectly cause potential substantial adverse effects due to seismic related ground failure including liquefaction and impacts will be **less than significant**.

D. Landslides?

Less than Significant. The project site is not located within a landslide hazard zone as designated by CGS (CGS 2003a, 2003b). The project site is characterized by gentle rolling topography with slopes that are approximately 4% in inclination. Proposed grading as part of site preparation will include cut and fill around the site interior and boundary that if not designed appropriately, could be subject to slope failure or mass wasting. In addition, temporary excavations created during grading and construction could result in temporary vertical or steep slopes pending completion of final site grading. These temporary excavations will likely include relatively narrow trenches with vertical walls, such as for utility installation, or larger open excavations with temporary steep slopes. Vertical slopes greater than 5 feet in height will require shoring. The created cut and fill slopes around the perimeter will be constructed with slope inclinations up to 2:1 (horizontal to vertical). In the absence of proper shoring and/or slope construction, trench sidewalls and temporary slopes could collapse, resulting in risk to on-site personnel. If fill is placed in areas of the site that will create slopes steeper than 2:1 (horizontal to vertical), the area will be subject to slope stability analysis with the addition of structural retaining walls as required and in accordance with County Building Code requirements. Constructed slopes will be compacted to the code specifications for fill embankments and vegetated to ensure ongoing stability. In addition, areas could be graded to include benching to reduce the potential for slippage between existing slopes and fill materials (Appendix 3.4A). Benches will be wide enough to accommodate compaction and earth moving equipment, and to allow placement of horizontal lifts of fill in accordance with building code requirements. Temporary excavations will be completed in accordance with Cal/OSHA, which has responsibility for implementing federal rules relevant to worker safety, including slope protection during construction excavations (see Section 3.4.5, LORS below). Cal/OSHA's requirements are more restrictive and protective than federal OSHA standards. Title 8 of the CCR, Chapter 4, Division of Industrial Safety, covers requirements for excavation and trenching operations, as well as safety standards whenever employment exists in connection with removal or wrecking of any fixed structure or its part. Compliance with Cal/OSHA regulations will prevent caving of temporary trench walls and failure of temporary steep slopes during grading and construction activities. Overall, with implementation of project-specific geotechnical recommendations pertaining to slope stability consistent with current Los Angeles County Building Code requirements, as well as compliance with Cal/OSHA regulations, the proposed project will not directly or indirectly cause potential substantial adverse effects involving landslides, slope stability, or mass wasting. Impacts will be **less than significant**.

3.4.2.3.2 Would the project be located on a geologic unit or soil that is unstable or that would become unstable as a result of the project, and potentially result in on- or offsite landslide, subsidence, liquefaction, or collapse?

Less than Significant. As discussed for Section 3.4.2.3.1 above, the project site is not located in an area susceptible to liquefaction or subsidence. Project grading will result in temporary steep slopes and vertical trench excavations. Overall, the project's site-specific geotechnical investigation (Appendix 3.4A) determined the proposed construction will not be subjected to a hazard from settlement, collapse, slippage, or landslide, provided the recommendations

of the report are incorporated into the proposed construction site preparations and site design which is consistent with building code requirements. With implementation of project-specific geotechnical recommendations pertaining to slope stability (including mass wasting), soil stability (i.e., collapse), and soil settlement, as well as compliance with Los Angeles County Building Code and Cal/OSHA regulations, the proposed project will not result in on- or off-site landslide, subsidence, liquefaction or collapse. The project will also be required to be designed and constructed to meet the applicable seismic and site soils requirements of the California Building Code (CBC) to adequately support all proposed improvements. Impacts will be **less than significant**.

3.4.2.3.3 Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

Less than Significant. Expansive soils, if present, can adversely affect improvements over time through cyclical volumetric changes that can crack foundations, pathways, and other improvements. However, as part of adherence to current building code requirements, a final design level geotechnical investigation would be required prior to approval of a building permit for all proposed improvements and would be required to evaluate for the presence of expansive soils. In general, the use of engineered fill materials which must meet minimum standards for expansion potential, as well as foundation design, such as the use of drilled shaft or driven pile foundations, as recommended in the geotechnical investigation report, would be sufficient to minimize the potential for adverse effects related to expansive soils. Recommendations from the final design level geotechnical report would include measures to address expansive soils (e.g., use of engineered fill or pile driven foundations), consistent with building code requirements, and would reduce the potential impacts related to expansive soils to **less than significant**.

3.4.2.3.4 Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

No Impact. The project site is not located within a designated MRZ, and no mines or gravel pits are in the vicinity of the project site. According to the Los Angeles County General Plan and Antelope Valley Area Plan, the nearest MRZ-2 areas with known aggregate mineral resources are located approximately 11 miles to the southwest and approximately 8 miles to the northeast (Los Angeles County 2014a, 2014b) (Figure 3.4-5, Mineral Resources Zones).

CalGEM provides locations of active and abandoned oil and gas wells in California. The project site is not located in a designated CalGEM oil/gas field, and no oil/gas wells are located in the vicinity of the site (CalGEM 2025).

As a result, the project will not result in the loss of availability of a known mineral resource that will be of value to the region and the residents of the state. **No impact** will occur.

3.4.2.3.5 Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local plan, specific plan, or other land use plan?

No Impact. As stated for Section 3.4.2.3.4 above, the project site is not located within a designated MRZ, and no mines or gravel pits are in the vicinity of the project site. As a result, the project would not result in the loss of availability of a locally important mineral resource recovery site delineated on a local plan, specific plan, or other land use plan. **No impact** will occur.

3.4.3 Cumulative Effects

The cumulative projects detailed in Section 3, Environmental Analysis, Table 3-2, Cumulative Projects, have the potential to result in cumulative impacts to geologic hazards and resources when considered together with the project. Risks related to geological hazards and resources are typically localized in nature because they tend to be site-specific and related to on-site geotechnical constraints. Cumulative projects were chosen based on proximity to the proposed project. These projects include residential, commercial, and industrial development. The majority of the cumulative projects will involve both construction and operational activities. These selection factors are appropriate in the context of geological hazards and resources cumulative impacts because generally there needs to be a direct nexus and similar geologic conditions for a synergistic impact to occur, such as site modifications at nearby projects combining to destabilize soils. Currently, there is not a known existing significant cumulative impact related to geological hazards and resources within this geographic scope.

As discussed above, like much of California, the project site is a seismically active area. All areas of Los Angeles County are considered seismically active, to a lesser or greater extent depending on their proximity to active regional faults. Impacts of the proposed project will be cumulatively considerable if the project, in combination with related projects, will result in significant cumulative impacts. However, the effects of the cumulative projects are not of a nature to cause cumulatively significant effects from geological hazards and resources impacts, because such impacts are site-specific and will only have the potential to combine with impacts of the proposed project if they occurred in the same location.

All planned projects in the vicinity of the proposed project are subject to environmental review and will be required to conform to Los Angeles County and CBC building code requirements. With implementation of geotechnical engineering site preparation and design measures and other grading and building requirements, the proposed project will not contribute to cumulative impacts for geological hazards and resources or related events because the proposed project and other cumulative projects in the area will be required to demonstrate compliance with local, state, and federal building and safety standards. As a result, cumulative impacts related to geological hazards and resources will not be cumulatively considerable.

3.4.4 Mitigation Measures

Because the project design will avoid or minimize potentially significant effects, no mitigation measures beyond the project's design are necessary.

3.4.5 Laws, Ordinances, Regulations, and Standards

Federal, state, and local Laws, Ordinances, Regulations, and Standards (LORS) applicable to geological hazards and resources are discussed below and summarized in Table 3.4-2.

Table 3.4-2. LORS Applicable to Geological Hazards and Resources

Jurisdiction	LORS	Applicability	Project Conformity	Opt-In Application Reference
Federal	International Building Code	Requires state to comply with during design and construction of	**Yes.** Project design and construction will comply with the International Building Code with respect to geologic	Section 3.4.2.3.1 Section 3.4.2.3.2

Table 3.4-2. LORS Applicable to Geological Hazards and Resources

Jurisdiction	LORS	Applicability	Project Conformity	Opt-In Application Reference
		engineered facilities	hazards through compliance with the CBC and the recommendations of a project-specific geotechnical report.	Section 3.4.2.3.3 Section 3.4.5.1
State	California Building Code, 2022	Defines acceptable design criteria for structures with respect to seismic design and load-bearing capacity	**Yes.** Project design and construction will comply with the California Building Code with respect to geologic hazards through compliance with the recommendations of a project-specific geotechnical report.	Section 3.4.2.3.1 Section 3.4.2.3.2 Section 3.4.2.3.3 Section 3.4.5.2
State	Cal/OSHA, CCR Title 8	Specifies the measures to be used for temporary excavation and trench work where workers could be exposed to unstable soil conditions	**Yes.** Project construction will comply with Cal/OSHA with respect to temporary slopes and excavations.	Section 3.4.2.3.1 Section 3.4.2.3.2 Section 3.4.2.3.3 Section 3.4.5.2
State	Alquist–Priolo Earthquake Fault Zone Act	Identifies areas subject to surface rupture from active faults	**Yes.** Project design and construction will comply with the California Building Code with respect to geologic hazards through compliance with the recommendations of a project-specific geotechnical report.	Section 3.4.2.3.1 Section 3.4.5.2
State	Seismic Hazards Mapping Act	Identifies secondary seismic hazards (liquefaction and seismically induced landslides)	**Yes.** Project design and construction will comply with the California Building Code with respect to geologic hazards through compliance with the recommendations of a project-specific geotechnical report.	Section 3.4.2.3.1 Section 3.4.5.2
State	Surface Mining and Reclamation Act	Regulates surface mining operations to assure that adverse environmental impacts are minimized and mined lands are reclaimed to a usable condition.	**Yes.** The project is not located within a designated MRZ, and no mines or gravel pits are in the vicinity of the project site.	Section 3.4.2.3.4 Section 3.4.2.3.5

Table 3.4-2. LORS Applicable to Geological Hazards and Resources

Jurisdiction	LORS	Applicability	Project Conformity	Opt-In Application Reference
Local	Los Angeles County Code of Ordinances, Title 25 – Building Code	Adopts the 2022 California Building Code, with amendments	**Yes.** Project design and construction will comply with the Los Angeles County Building Code with respect to geologic hazards through compliance with the recommendations of a project-specific geotechnical report.	Section 3.4.2.3.1 Section 3.4.2.3.2 Section 3.4.2.3.3 Section 3.4.5.3
Local	Los Angeles County Code of Ordinances, Appendix J - Grading	Standards for grading and erosion control, including permit requirements	**Yes.** Project construction will comply with Los Angeles County erosion and sediment control ordinances with respect to erosion control during grading and construction through compliance with the CBC and the recommendations of a project-specific geotechnical report.	Section 3.4.2.3.1 Section 3.4.2.3.2 Section 3.4.2.3.3 Section 3.4.5.3
Local	Los Angeles County General Plan, Safety Element: Goal 1 – Seismic and Geotechnical Hazards	Goals and policies to protect against geologic hazards	**Yes.** Project design and construction will comply with Los Angeles County Safety Element goals with respect to seismic and geotechnical hazards through compliance with the CBC and the recommendations of a project-specific geotechnical report.	Section 3.4.2.3.1 Section 3.4.2.3.2 Section 3.4.2.3.3 Section 3.4.5.3
Local	Antelope Valley Area Plan, Public Safety, Services and Facilities Element: Goals and Policies – Geologic Hazards	Includes goals and policies that are intended to protect the public from geologic hazards	**Yes.** Project design and construction will comply with the Antelope Valley Area Plan goals and policies with respect to geological hazards through compliance with the CBC and the recommendations of a project-specific geotechnical report.	Section 3.4.2.3.1 Section 3.4.2.3.2 Section 3.4.2.3.3 Section 3.4.5.3

Notes: LORS = Laws, Ordinances, Regulations, and Standards; Cal/OSHA = California Division of Occupational Safety and Health; CCR = California Code of Regulations; MRZ = mineral resource zone; CBC = California Building Code;

3.4.5.1 Federal LORS

No federal regulations apply to mineral resources in the project area. The following federal regulations are related to geologic hazards.

International Building Code

The design and construction of engineered facilities in California must comply with the requirements of the International Building Code as adopted by the State of California (see California Building Code in the State LORS subsection).

Project design and construction will comply with the International Building Code with respect to geologic hazards through compliance with the CBC and the recommendations of a project-specific geotechnical report.

3.4.5.2 State LORS

California Building Code

The project is subject to the applicable sections of Title 24, Part 2 of the 2022 CBC, which is administered by the California Building Standards Commission. Under state law, all building standards must be centralized in Title 24 to be enforceable. The CBC contains necessary California amendments, which are based on American Society of Civil Engineers/Structural Engineering Institute Standards. These standards provide requirements for general structural design and include means for determining earthquake loads, as well as other loads for inclusion into building codes. The earthquake design requirements take into account the occupancy category of the structure, site class, soil classifications, and various seismic coefficients, which are used to determine a seismic design category for a project. Once a project is categorized according to a seismic design category, design specifications can be determined. The provisions of the CBC apply to the construction, alteration, movement, replacement, and demolition of every building or structure—or any appurtenances connected or attached to such buildings or structures—throughout California.

Building requirements specific to BESS enclosures are included in Chapter 17A of the 2022 California Building Code. Division of State Architects Interpretation of Regulations (IR) N-3 specifies code requirements relating to BESS enclosures that consist of prefabricated modular structures not on or inside a building for structural safety and fire life safety reviews.

IR N-3 clarifies the design or alternative shake table testing requirements of premanufactured enclosures and the internal components for seismic loading. The design of BESS enclosures connections shall comply with the applicable sections of the CBC, American Institute of Steel Construction Specification for Structural Steel Buildings (AISC 360), American Institute of Steel Construction Seismic Provisions for Structural Steel Buildings (AISC 341), and ASCE 7 Minimum Design Loads and Associated Criteria for Buildings and Other Structures (Division of State Architect 2023).

The BESS enclosures envisioned for this project are not “walk-in” type enclosures because the battery racks are accessible from outside the enclosure for maintenance purpose, and there is no ability to enter the enclosures. Based on this arrangement, each individual enclosure is considered electrical equipment (Battery Cabinet or Enclosure) and does not constitute a building. Therefore, construction type, fire resistance rated construction, means of egress requirements, etc., for buildings do not apply to the enclosures. In addition to the other laws, ordinances, regulations, and standards listed elsewhere in this section, the project site and systems will be designed according to the applicable 2021 California Fire Code (CFC), 2023 National Electric Code (NEC), and 2023 NFPA codes and standards such as NFPA 72 and NFPA 855. As required by NFPA855, given the size and type of the BESS, the system will be tested per UL9540A testing standard (at the cell, module, and unit levels), and listed to the UL9540 listing.

Project design and construction will comply with the California Building Code with respect to geologic hazards through compliance with the recommendations of a project-specific geotechnical report.

California Division of Occupational Safety and Health

Grading and construction activities are subject to occupational safety standards for excavation and trenching, as specified in California Division of Occupational Safety and Health (Cal/OSHA) regulations (Title 8 of the CCR). These regulations specify the measures to be used for excavation and trench work where workers could be exposed to unstable soil conditions. The proposed project will be required to employ these safety measures during excavation and trenching.

Project construction will comply with Cal/OSHA with respect to temporary slopes and excavations.

Alquist-Priolo Earthquake Fault Zone Act (Title 14, Division 2, Chapter 8, Subchapter 1, Article 3, CCR)

The Alquist–Priolo Earthquake Fault Zoning Act was passed in 1972 to mitigate the hazard of surface faulting to structures for human occupancy. In accordance with this act, the State Geologist established regulatory zones, called "earthquake fault zones," around the surface traces of active faults, and published maps showing these zones. Earthquake fault zones are designated by the CGS and are delineated along traces of faults where mapping demonstrates surface fault rupture has occurred within the past 11,700 years. Construction within these zones cannot be permitted until a geologic investigation has been conducted to prove that a building planned for human occupancy will not be constructed across an active fault. These types of site evaluations address the precise location and recency of rupture along traces of the faults, and are typically based on observations made in trenches excavated across fault traces.

Project design and construction will comply with the California Building Code with respect to geologic hazards through compliance with the recommendations of a project-specific geotechnical report.

Seismic Hazards Mapping Act (Title 14, Division 2, Chapter 8, Subchapter 1, Article 10, CCR)

The Seismic Hazards Mapping Act of 1990 (California Public Resources Code, Chapter 7.8, Section 2690 et seq.) directs the CGS to protect the public from earthquake-induced liquefaction and landslide hazards (these hazards are distinct from fault surface rupture hazard regulated by the Alquist–Priolo Act). This act requires the State Geologist delineate various seismic hazard zones and requires cities, counties, and other local permitting agencies to regulate certain development projects within these zones (i.e., zones of required investigation). Before a development permit may be granted for a site within a seismic hazard zone, a geotechnical investigation of the site must be conducted and appropriate mitigation measures incorporated into project design. Evaluation and mitigation of potential risks from seismic hazards within zones of required investigation must be conducted in accordance with the CGS Special Publication 117A, adopted March 13, 1997, updated in 2008, by the State Mining and Geology Board.

Project design and construction will comply with the California Building Code with respect to geologic hazards through compliance with the recommendations of a project-specific geotechnical report.

Surface Mining and Reclamation Act

The California Geological Survey (CGS) provides geologic expertise and information about California's diverse non-fuel mineral resources. As required by the Surface Mining and Reclamation Act (SMARA) of 1975, the State Geologist classifies these resources in an effort to locate economically significant mineral deposits and potential areas of deposits based upon scientific data. Information relating to California's nonfuel resources, naturally occurring mineral hazards, and active and historic mining activities are collected to classify land under the Mineral Resources and Mineral Hazards Mapping Program.

The project is not located within a designated MRZ, and no mines or gravel pits are in the vicinity of the project site.

3.4.5.3 Local LORS

Los Angeles County Code of Ordinances

The Los Angeles County Code of Ordinances, Title 26 – Building Code, adopts the 2022 CBC, with amendments and added sections. The purpose of the Building Code is to provide minimum standards to safeguard life or limb, health, property, and public welfare by regulating and controlling the design, construction, quality of materials, use and occupancy, location, and maintenance of all buildings, structures, grading, and certain equipment within the unincorporated Los Angeles County. Building code provisions apply to the construction, alteration, moving, demolition, repair, use of any building or structure, and grading within the County. With establishment of the Building Code of Los Angeles County, the County exercised its authority to establish more restrictive and reasonably necessary differences to the provisions of the 2022 CBC, including modifications to Health and Safety Code Section 18941.5 for Building Standards Law.

Appendix J – Grading of the Los Angeles County Code of Ordinances, Title 26 – Building Code, establishes standards for grading, excavation, and earthwork construction, including fills and embankments, and the control of runoff from graded sites, including erosion sediments and construction-related pollutants, and permit requirements for work on property in Los Angeles County (Los Angeles County 2025).

Project design and construction will comply with the Los Angeles County Building Code with respect to geologic hazards through compliance with the recommendations of a project-specific geotechnical report. Project construction will also comply with Los Angeles County erosion and sediment control ordinances with respect to erosion control during grading and construction through compliance with the CBC and the recommendations of a project-specific geotechnical report.

Los Angeles County 2035 General Plan, Safety Element

The Los Angeles County 2035 General Plan includes goals and policies that are intended to address seismic and geotechnical hazards and guide future development in a way that reduces impacts from these hazards. Specifically, the Safety Element (Los Angeles County 2022) address issues related to protecting the community from any unreasonable risks associated with the effects of seismically induced surface rupture, ground shaking, ground failure, tsunami, seiche, and dam failure; slope instability leading to mudslides and landslides; subsidence, liquefaction, and other seismic hazards; flooding; and wildland and urban fires.

Goal. An effective regulatory system that prevents or minimizes personal injury, loss of life and property damage due to seismic and geotechnical hazards.

Policies

Policy S 1.1. Discourage development in Seismic Hazard and Alquist-Priolo Earthquake Fault Zones.

Policy S 1.2. Prohibit construction of structures for human occupancy adjacent to active faults unless a comprehensive fault study that addresses seismic hazard risks and proposes appropriate actions to minimize the risk is approved.

Policy S 1.3. Require developments to mitigate geotechnical hazards, such as soil instability and landslides, in Hillside Management Areas through siting and development standards.

Policy S 1.4. Support the retrofitting of unreinforced masonry structures and soft-story buildings to help reduce the risk of structural and human loss due to seismic hazards.

Project design and construction will comply with Los Angeles County Safety Element goals with respect to seismic and geotechnical hazards through compliance with the CBC and the recommendations of a project-specific geotechnical report.

Antelope Valley Area Plan, Public Safety, Services and Facilities Element

The Antelope Valley Area Plan, Public Safety, Services and Facilities Element of the Los Angeles County 2035 General Plan (Antelope Valley Area Plan 2015) includes goals and policies that are intended to protect the population as a whole and reduce the risks associated with geologic hazards. Applicable goals and policies from the Antelope Valley Area Plan are summarized below:

Goal. Protection of the public through geological hazard planning and mitigation.

Policies

Policy PS 2.1. Limit the amount of potential development in Seismic Zones and along the San Andreas Fault and other fault traces, through appropriate land use designations with very low residential densities, as indicated in the Land Use Policy Map (Map 2.1) of this Area Plan.

Policy PS 2.2. Limit the amount of development on steep slopes (Hillside Management Areas) and within landslide and liquefaction areas, through appropriate land use designations with very low residential densities, as indicated in the Land Use Policy Map (Map 2.1) of this Area Plan.

Policy PS 2.3. Prohibit the construction of new structures on or across a fault trace.

Policy PS 2.4. Ensure that new development does not cause or contribute to slope instability.

Project design and construction will comply with the Antelope Valley Area Plan goals and policies with respect to geological hazards through compliance with the CBC and the recommendations of a project-specific geotechnical report.

3.4.6 Agencies and Agency Contacts

Applicable permits and agency contacts for geologic hazards and resources are shown in Table 3.4-3. Building and grading permits from Los Angeles County Public Works will be superseded by CEC approval of the project under the opt-in program.

Table 3.4-3. Permits and Agency Contacts

Permit or Approval	Agency Contact	Applicability
Los Angeles County Public Works	Los Angeles County Public Works Agency 900 S. Fremont Avenue Alhambra, California 91803 Fouad Barakat, PE, Building Plan Check Section fbarakat@pw.lacounty.gov 626.458.3173 Tera Haramoto, PE, Drainage & Grading Section tharamoto@pw.lacounty.gov 626.458.6333	Building and grading permits
NPDES Construction General Permit	Los Angeles Regional Water Quality Control Board 320 West Fourth Street, Suite 200 Los Angeles, California 90013 Luz Vargas 213.620.2219	Grading and erosion control

Note:
* Building and grading permits from Los Angeles County Public Works will be superseded by CEC approval of the project under the opt-in program.

3.4.7 Permits and Permit Schedule

There are no applicable permits or permit schedule for geological hazards and resources.

3.4.8 References

Antelope Valley Area Plan. 2015. Chapter 5: Public Safety, Services and Facilities Element. Accessed February 4, 2025. https://planning.lacounty.gov/wp-content/uploads/2022/10/Antelope-Valley-Area-Plan.pdf

CalGEM (California Geologic Energy Management Division). 2025. Well Finder. Accessed April 9, 2025. https://maps.conservation.ca.gov/doggr/wellfinder/.

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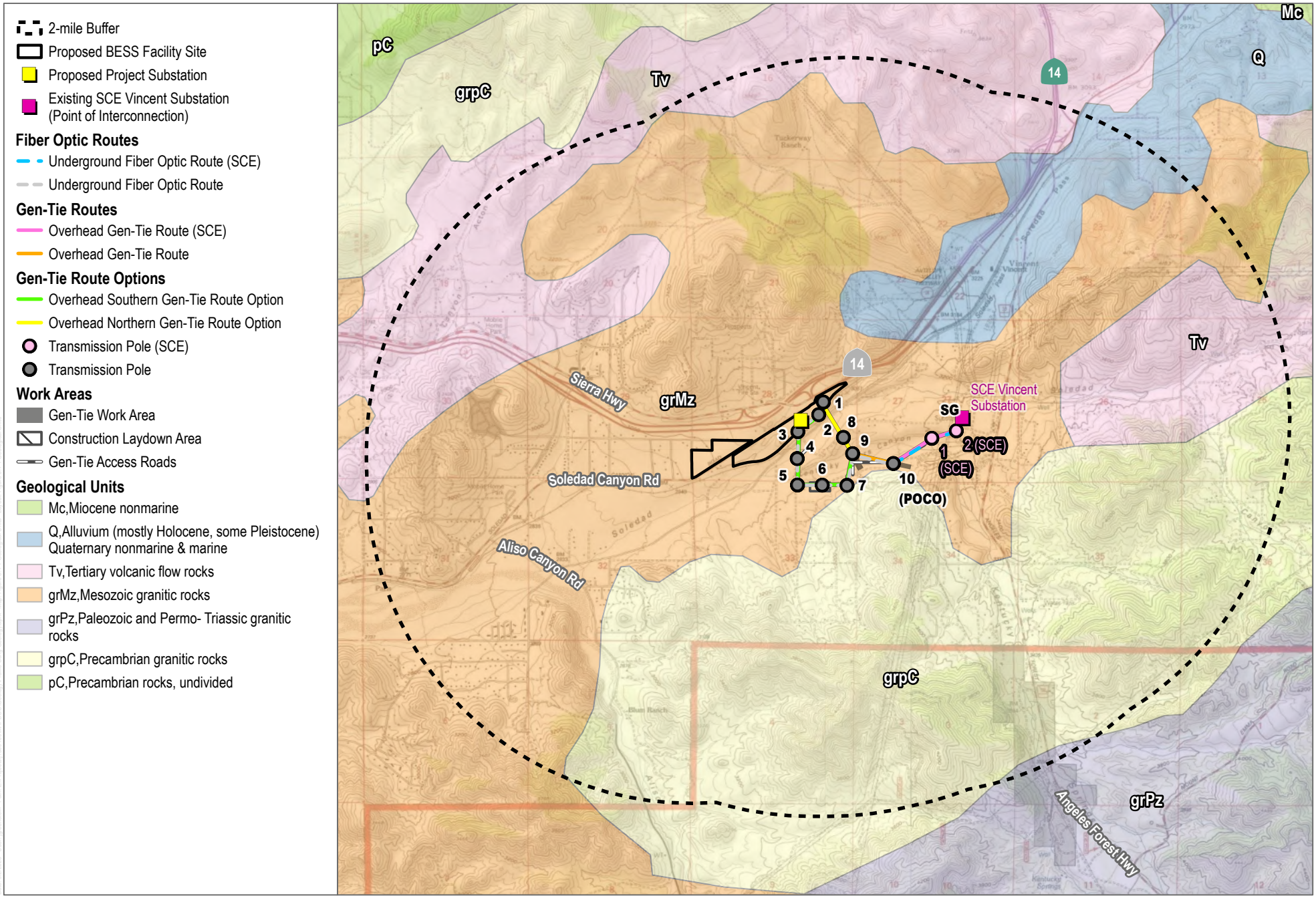

SOURCE: USGS
1:50,000

DUDEK

0 2,100 4,200 Feet

FIGURE 3.4-1
Geological Units
Prairie Song Geology

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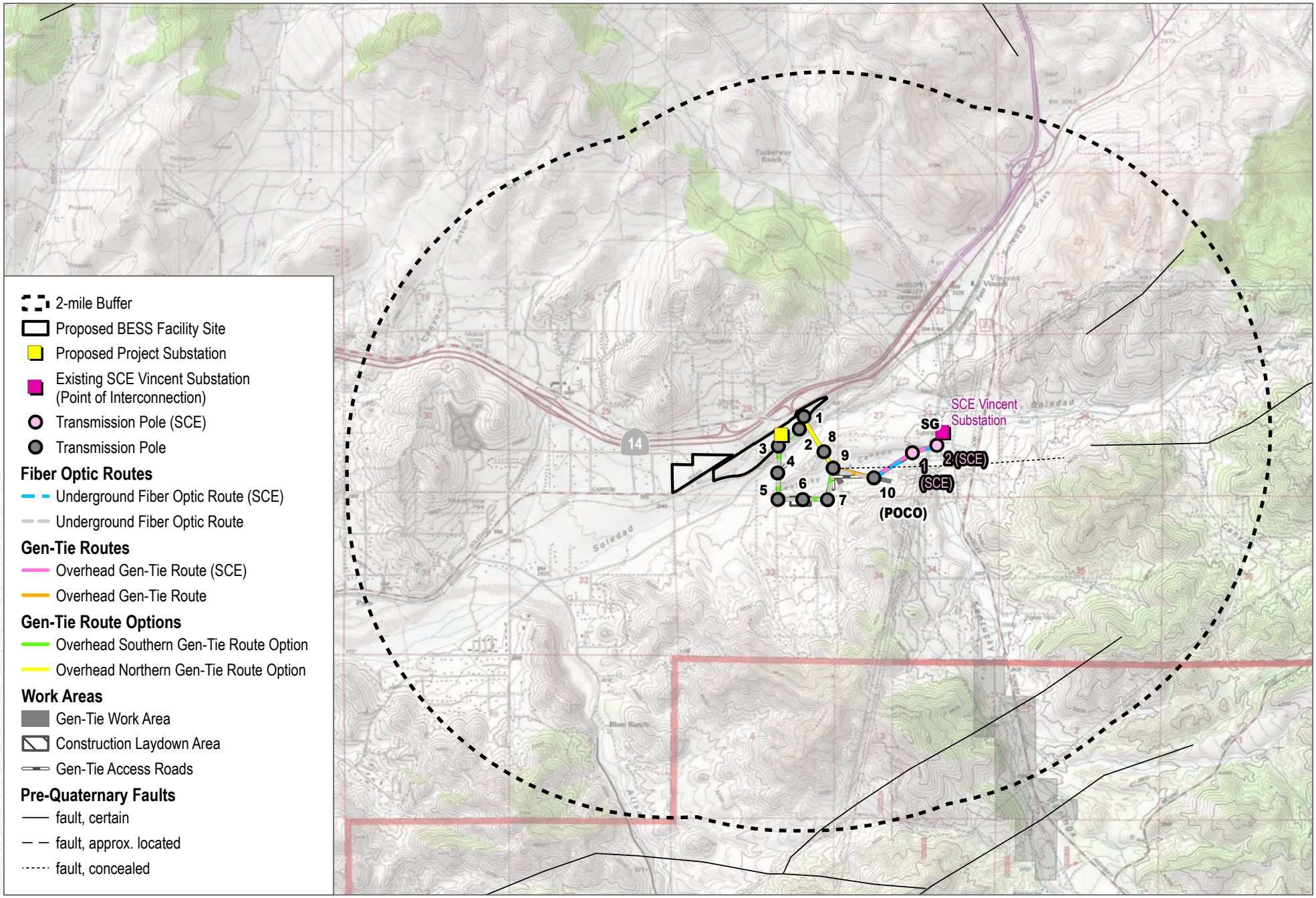

SOURCE: USGS; California Department of Conservation

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DUDEK

0 2,100 4,200 Feet

FIGURE 3.4-2

Faults

Prairie Song Geology

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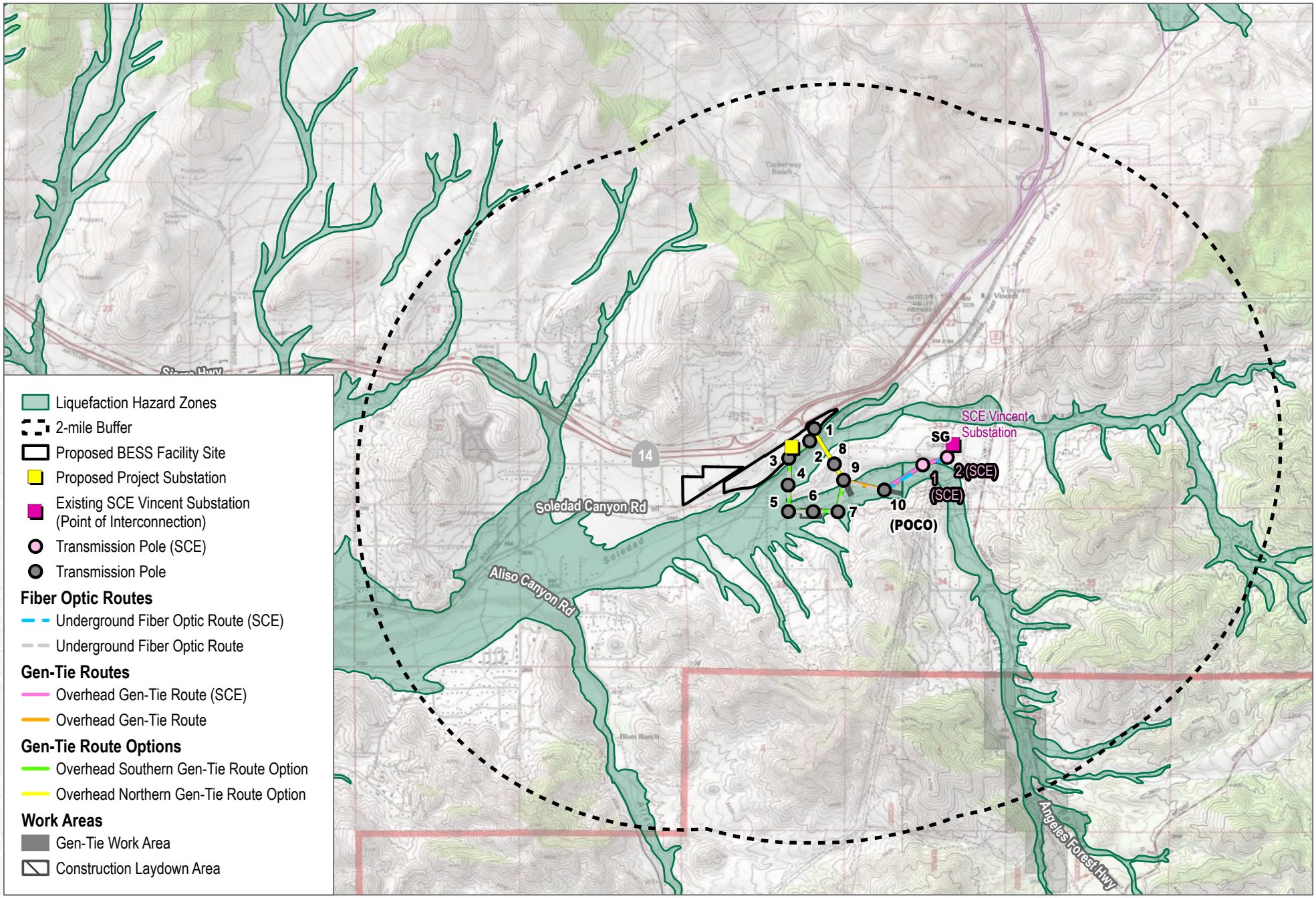

SOURCE: USGS; California Department of Conservation

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DUDEK

0 2,100 4,200 Feet

FIGURE 3.4-3

Liquefaction Potential

Prairie Song Geology

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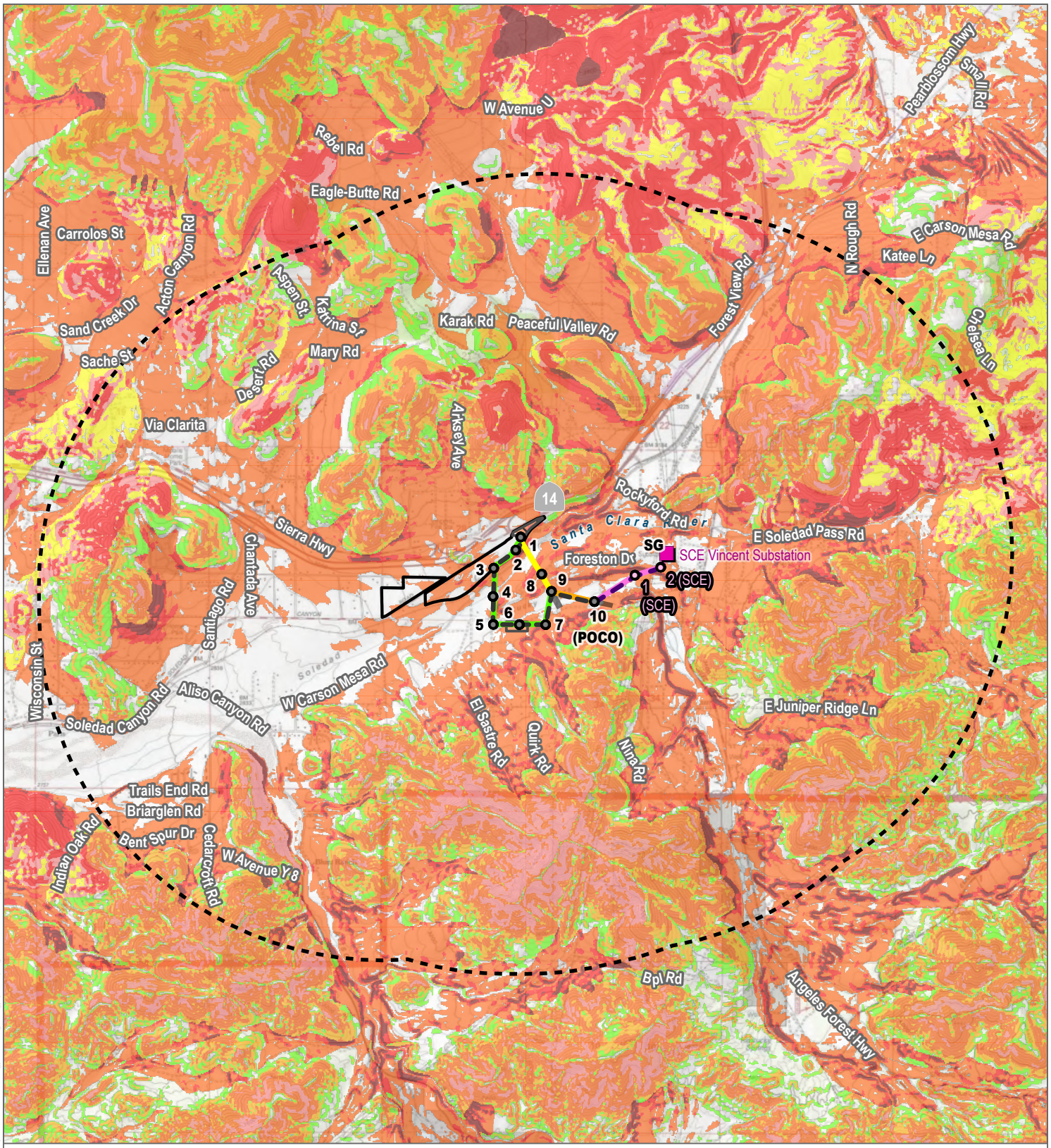

SOURCE: USGS; California Department of Conservation

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DUDEK

0 2,100 4,200 Feet

FIGURE 3.4-4

Landslide Susceptibility

Prairie Song Reliability Project

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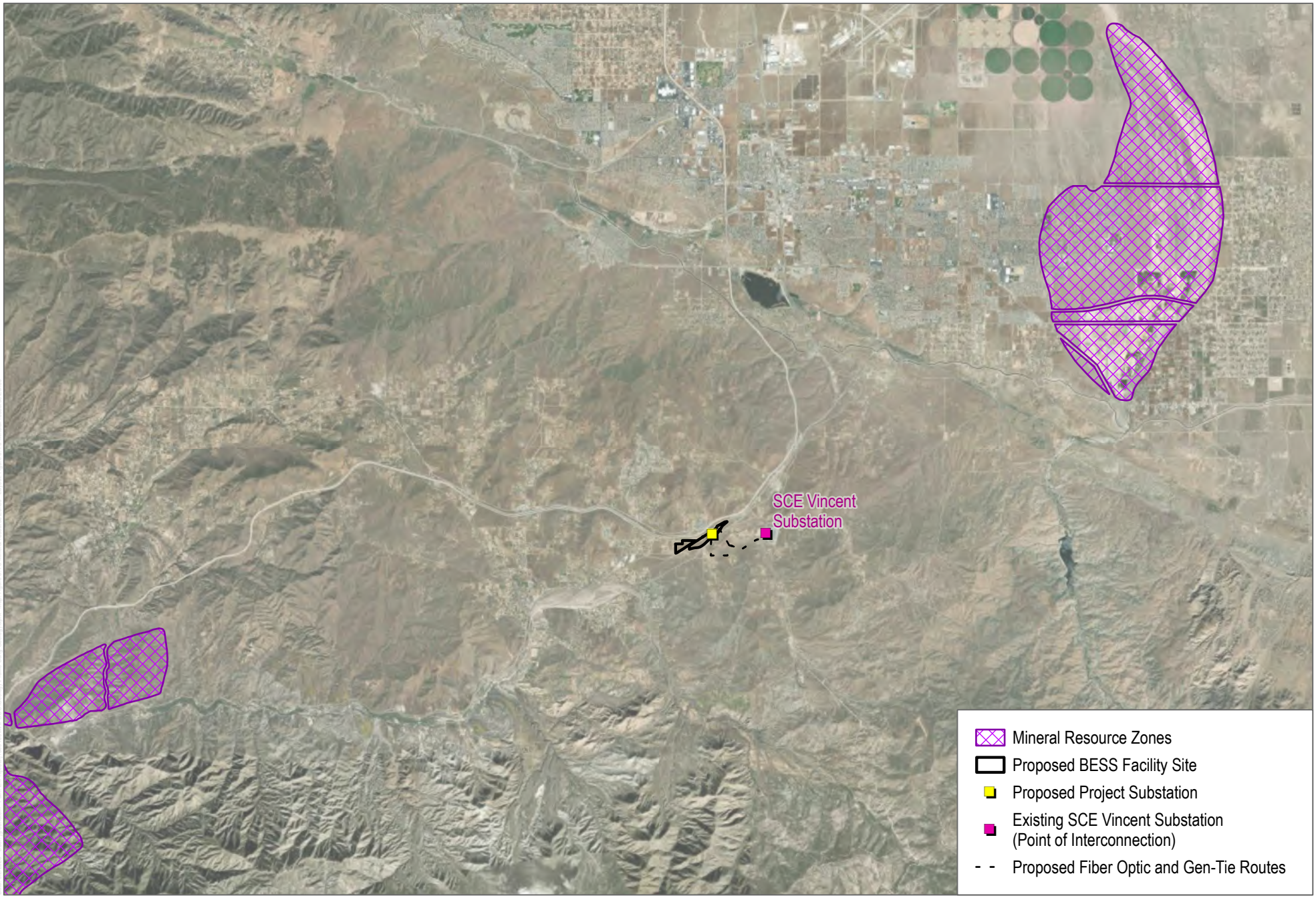

SOURCE: California Department of Conservation; World Imagery

1:150,000

DUDEK

0 6,000 12,000 Feet

FIGURE 3.4-5

Mineral Resource Zones

Prairie Song Geology

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Attachment 4

Section 3.6, Land Use - Redline Version

3.6 Land Use

This section provides an evaluation of land use within the study area and is based on review of local, regional, and statewide policies, regulations, and plans applicable to the Prairie Song Reliability Project (Project). The Project will consist of an up to 1,150-megawatt (MW) containerized battery energy storage system (BESS) facility using lithium-iron phosphate cells or similar technology, operations and maintenance (O&M) buildings, a Project substation, a 500-kilovolt (kV) overhead generation interconnection (gen-tie) transmission line, and interconnection facilities within the existing Southern California Edison (SCE) owned and operated Vincent Substation.

This evaluation of land use includes the following elements:

- Section 3.6.1 describes the existing land use environment that could be affected from Project implementation.
- Section 3.6.2 identifies potential environmental impacts that may result from Project construction, operation, maintenance, and decommissioning.
- Section 3.6.3 discusses potential cumulative effects.
- Section 3.6.4 describes Project design and mitigation measures that will be implemented to avoid or minimize potentially significant impacts.
- Section 3.6.5 discusses the applicable laws, ordinances, regulations, and standards (LORS).
- Section 3.6.6 lists of agencies and agency contacts.
- Section 3.6.7 discusses permits and permit schedules.
- Section 3.6.8 lists reference materials used in the preparing this section.

The following environmental setting and impact evaluation is based in part on the following Project-specific technical information, included as an appendix to this application:

- Appendix 3.6A – Department of Defense Military Aviation and Installation Assurance Siting Clearinghouse Letter
- Appendix 3.6B – Land Use Inventory
- Appendix 3.6C – Site Control Documentation

A summary of the land use evaluation is provided in the table below.

		Potentially Significant Impact	Less than Significant Impact with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the Project:					
1	Physically divide an established community?	☐	☐	☐	☒
2	Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

		Potentially Significant Impact	Less than Significant Impact with Mitigation Incorporated	Less than Significant Impact	No Impact
3	Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use, excepting those lands that would be expected to be converted or retired even without the project due to insufficient water resources for continued commercial agriculture, land subsidence due to historic groundwater over-pumping, soil contamination due to inadequate drainage, or the local weather effects of climate change?	☐	☐	☐	☒
4	Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
5	Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?	☐	☐	☐	☒

3.6.1 Environmental Setting

This section describes the existing land use environment of the Project site, which comprises the approximately 100-acre BESS facility and associated gen-tie line routes.

3.6.1.1 Regional Setting

The Project site is in the Antelope Valley area of unincorporated Los Angeles County, California, approximately 3 miles northeast of the center of the community of Acton. The Project site is within the Los Angeles County–designated Community Standard District (CSD) of Acton. The Project site is north of Angeles National Forest and is between two existing transportation corridors: the Antelope Valley Freeway (State Route 14) to the north and the Southern Pacific Railroad lines to the south. The nearest incorporated municipality is the City of Palmdale, which is approximately 4 miles to the northeast.

3.6.1.2 Local Setting

The BESS facility will be in Los Angeles County, California, within an approximately 71-acre portion of Assessor's Parcel Numbers (APNs) 3056-017-007, 3056-017-020, 3056-017-021, 3056-019-013, 3056-019-026, 3056-019-037, and 3056-019-040 (see Figure 3.6-1, Project Site, and Figure 3.6-2, Assessor Parcel Number (APN) Map). The parcels currently consist of undeveloped lands, a residence, and disturbed dirt roads.

The Project will use one of two potential gen-tie routes. The Northern Gen-Tie Route will extend approximately 1.1 miles south and east from the Project substation, crossing Southern Pacific Railroad tracks and West Carson

Mesa Road, and then proceed northeast to the point of interconnection (POI) at the Vincent Substation. The Northern Gen-Tie Route will be sited on APNs 3056-017-021, 3056-017-905, 3056-017-026, 3056-015-008, 3056-015-023, 3056-005-818, 3056-005-817, 3056-005-816, 3056-015-802, and 3056-015-801. The Southern Gen-Tie Route will extend approximately 1.8 miles and will be south and east of the Project substation, crossing Southern Pacific Railroad tracks and West Carson Mesa Road, and then proceeding northeast to the point of interconnection at the SCE Vincent Substation. The Southern Gen-Tie Route will be sited on APNs 3056-017-021, 3056-017-020, 3056-017-022, 3056-017-016, 3056-027-031, 3056-027-007, 3056-017-028, 3056-017-027, 3056-017-026, 3056-015-008, 3056-015-023, 3056-005-818, 3056-005-817, 3056-005-816, 3056-015-802, and 3056-015-801. The Project will also include three fiber-optic telecommunications lines: one will be installed aboveground on the gen-tie structures (along whichever gen-tie route is ultimately selected) and the other two will be installed underground within the Southern Gen-Tie Route corridor. The two other fiber-optic lines will be installed underground within the Southern Gen-Tie Route corridor regardless of which gen-tie route option is selected. The Project's interconnection facilities will be within the SCE Vincent Substation.

Land uses in the immediate vicinity of the Project site include undeveloped and rural lands, multiple high-voltage transmission lines and an electrical substation, paved and rural roads, State Route 14, and railroad lines. There are a few single-family residences adjacent to the BESS site's northern and western boundaries, as well as a few other single-family residences in the vicinity of the gen-tie line routes.

A land use inventory of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas and any other area of unique land uses that are located within 1 mile of the BESS facility site and within 0.25 miles of the gen-tie line corridor has been completed. A land use inventory was completed by desktop using geographic information system (GIS) data from Los Angeles County (County of Los Angeles 2025a). For each APN within 1 mile of the BESS facility site and 0.25 miles of the gen-tie line corridor, the following information is included: (1) APN; (2) land use designations and zoning designations; (3) land use type and description; and (4) approximate distance from the Project site and/or the gen-tie line ROW. The land use inventory is included as Appendix 3.6B.

In addition, the following is a list of notable land uses within 1 mile of the BESS facility site and within 0.25 miles of the gen-tie line corridor. The list was generated using the abovementioned GIS land use inventory and Google Earth (2025). The map keys provided in the list below correspond to Figure 3.6-6. There are no schools, hospitals, campgrounds, libraries, churches, or parks within 1 mile of the BESS facility site or within 0.25 miles of the gen-tie line corridor.

Map Key	Land Use	Land Use Type	Land Use Description	Location (Address and/or APN)	General Plan Land Use Designation	Zoning Designation
1	La Cabana Mexican Restaurant	Commercial	Restaurants, Cocktail Lounges	2370 Soledad Canyon Road, Acton, California 93510 APN: 3056-024-026	IL – Light Industrial	M-1 – Light Manufacturing
2	Acton Indoor RV & Boat Storage	Industrial	Warehousing, Distribution, Storage	2210 Soledad Canyon Road unit C, Acton, California 93510 APN: 3056-024-071	IL – Light Industrial, P – Public and Semi-Public	M-1 – Light Manufacturing

Map Key	Land Use	Land Use Type	Land Use Description	Location (Address and/or APN)	General Plan Land Use Designation	Zoning Designation
3	HOUNDzVILLE Pet Boarding	Residential	Single	2011 West Carson Mesa Road, Acton, California 93510 APN: 3056-024-037	RL2 – Rural Land 2	A-2 – Heavy Agricultural
4	Acton Community Mobile Home Park	Residential	Mobile Homes	2501 Sierra Highway, Acton, California 93510 APN: 3217-024-013	RL2 – Rural Land 2	A-2 – Heavy Agricultural
5	Crazy Otto's Diner	Commercial	Shopping Centers (Neighborhood, community)	33317 Santiago Road, Acton, California 93510 APN: 3057-019-005	CR – Rural Commercial	C-RU – Rural Commercial
6	Grizzley Bear's Burger	Commercial	Restaurants, Cocktail Lounges	2211 Sierra Highway #1436, Acton, California 93510 APN: 3057-019-004	CR – Rural Commercial	C-RU – Rural Commercial
7	Desert Defense	Commercial	Stores	33336 Santiago Road, Acton, California 93510 APN: 3057-019-003	CR – Rural Commercial, RL1 – Rural Land 1, RL1 – Rural Land 1	C-RU – Rural Commercial, A-1 – Light Agricultural
8	Guevara Ranch	Residential	Mobile Homes	1871 Tortuga Street, Acton, California 93510 APN: 3056-022-029	RL2 – Rural Land 2	A-1 – Light Agricultural
9	Golden West Trailer Sales	Commercial	Parking Lots (Commercial Use Properties)	1686 Sierra Highway, Acton, California 93510 APN: 3057-015-052	CR – Rural Commercial	C-RU – Rural Commercial
10	Saving Grace Animal Sanctuary	Residential	Single	1575 Sierra Highway, Acton, California 93510 APN: 3057-015-018	RL2 – Rural Land 2	A-1 – Light Agricultural
11	Los Angeles County Fire Dept. Station 80	Government	Government Parcel	1533 Sierra Highway, Acton, California 93510 APN: 3057-015-900	CR – Rural Commercial, P – Public and Semi-Public	A-1 – Light Agricultural
12	All Valley RV Center	Commercial	Auto, Recreation EQPT, Construction	1525 Sierra Highway, Acton, California 93510 APN: 3057-016-017	CR – Rural Commercial, P – Public and Semi-Public	C-RU – Rural Commercial

Map Key	Land Use	Land Use Type	Land Use Description	Location (Address and/or APN)	General Plan Land Use Designation	Zoning Designation
			EQPT, Sales & Service			
13	Captain Richard McCown Memorial Trail	Commercial	Auto, Recreation EQPT, Construction EQPT, Sales & Service	FVR7+5F, Acton, California 93510 APN: 3057-016-017	CR – Rural Commercial, P – Public and Semi-Public	C-RU – Rural Commercial
14	Birds & Animals Unlimited	Residential	Single	1125 Bulla Vista Road, Acton, California 93510 APN: 3056-027-037	RL5 – Rural Land 5	A-2 – Heavy Agricultural
15	Wild Sage Horse Rescue	Residential	Single	1100 Kentucky Springs Road, Acton, California 93510 APN: 3056-028-006	RL5 – Rural Land 5	A-2 – Heavy Agricultural
16	Drummond Ranch Inc	Residential	Mobile Homes	32230 Angeles Forest Highway, Palmdale, California 93550 APN: 3056-018-063	RL5 – Rural Land 5	A-2 – Heavy Agricultural
17	Wishing Well Ranch	Residential	Mobile Homes	32021 Angeles Forest Highway, Palmdale, California 93550 APN: 3058-004-001	RL 20 – Rural Land 20	A-2 – Heavy Agricultural
18	Shaleen-Co	Residential	Mobile Homes	130 Tiger Mountain Road, Palmdale, California 93550 APN: 3056-029-021	RL5 – Rural Land 5	A-2 – Heavy Agricultural
19	Golden Blade Grading	Residential	Mobile Homes	639 Foreston Drive, Acton, California 93510 APN: 3056-006-015	RL2 – Rural Land 2	A-2 – Heavy Agricultural
20	CSI Corporate	Residential	Mobile Homes	884 Harbea-Carson Mesa Road, Palmdale, California 93550 APN: 3056-014-045	RL2 – Rural Land 2	A-2 – Heavy Agricultural
21	Vincent Grade/Acton	Miscellaneous	Utility Commercial & Mutual: Pumping Plants State Assessed Pr.	730 Sierra Highway, Palmdale, California 93550 APN: 3056-004-900	P – Public and Semi-Public, RL2 – Rural Land 2, RL5 – Rural Land 5	A-2 – Heavy Agricultural

Map Key	Land Use	Land Use Type	Land Use Description	Location (Address and/or APN)	General Plan Land Use Designation	Zoning Designation
22	Vincent Hill Arena	Commercial	Restaurants, Cocktail Lounges	553 Sierra Highway, Acton, California 93510 APN: 3056-004-055	CR – Rural Commercial	C-RU – Rural Commercial
23	Paintball USA	Industrial	Industrial	540 West Carson Mesa Road, Palmdale, California 93550 APN: 3056-004-044	IL – Light Industrial	M-1 – Light Manufacturing
24	Grandma's Attic Thrift Shop	Commercial	Store Combination	415A Sierra Highway, Palmdale, California 93550 APN: 3056-004-060	IL – Light Industrial	M-1 – Light Manufacturing
25	Caralot Ranch & Kennel	Residential	Single	34242 Peaceful Valley Road, Palmdale, California 93551 APN: 3057-008-036	RL5 – Rural Land 5	A-2 – Heavy Agricultural

Source: County of Los Angeles 2025a.
Note: APN = Assessor's Parcel Number.

3.6.1.3 Existing Land Use and Zoning

Most of the Project site is currently undeveloped and has remained largely unchanged since the 1990s based on aerial imagery (Google Earth 2025). The Project site is within the Antelope Valley Area Plan area, and land use of the Project parcels is designated as Rural Land 2 and Rural Land 5 (RL-2 and RL-5) (County of Los Angeles 2015, 2024a) (Figure 3.6-3, Existing Land Use). The zoning of the Project parcels is Heavy Agriculture (A-2-2) and Light Agriculture (A-1-2) (County of Los Angeles 2024a) (Figure 3.6-4, Existing Zoning). As designated in the Los Angeles County General Plan, the Project site is within a Military Operation Area – Floor Elevation from Ground Level – 1,000 to 2,000 Feet (County of Los Angeles 2024b).

Beyond the Project site to the north, south, east, and west, the zones and land use designations are predominantly agriculture and rural land. Relative to the proposed BESS facility, the Antelope Valley Freeway (State Route 14) is approximately 0.10 miles north, and the Southern Pacific Railroad lines are 0.06 miles to the south. Vacant land and scattered residences are east and west of the site (Google Earth 2025).

3.6.1.4 Farmland and Williamson Act Contract

The Project site currently consists of land designated as Other Land per the California Department of Conservation's Important Farmland Finder. Other Land is defined as "land not included in any other mapping category. Common examples include low density rural developments; brush, timber, wetland, and riparian areas not suitable for livestock grazing; confined livestock, poultry or aquaculture facilities; strip mines, borrow pits; and water bodies smaller than forty acres. Vacant and nonagricultural land surrounded on all sides by urban development and greater than 40 acres is mapped as Other Land" (California Department of Conservation 2025a, 2025b). Additionally, the

surrounding lands, except for a small area along Foreston Drive designated as Urban and Built-Up Land, are also mapped as Other Land. No lands designated as Prime Farmland, Unique Farmland, or Farmland of Local Importance are on, or within the immediate vicinity of the Project site (Figure 3.6-5, Farmland Mapping and Monitoring Program Designations).

The California Land Conservation Act of 1965 authorizes local governments to contract with private landowners for the purpose of restricting specific parcels of land to agricultural, recreational, or open space uses, and compatible uses. These contracts are referred to as Williamson Act contracts. Per the California Williamson Act Enrollment Finder, the proposed BESS facility site and gen-tie corridors are not under any Williamson Act contract (Department of Conservation 2025c).

3.6.1.5 Site Control

The list below describes site control for each of the Project parcels. The table shows the APN, which Project component the APN is tied to (BESS site, North Gen-Tie, or South Gen-Tie), contract type, expiration/exercise date, and type of supporting documentation provided to show Project site control. For sites with near-term expiry dates, the Project will involve either negotiating an extension to the purchase option or exercising the option. Site control documents can be found in Appendix 3.6C.

APN	Location	Contract Type	Expiry Date	Supporting Documentation
3056017007	BESS Site	Purchase Option	9/28/2025	Redacted Purchase Agreement Memo
3056017020	BESS Site	Purchase Option	9/28/2025	Redacted Purchase Agreement Memo
3056017021	BESS Site	Purchase Option	9/28/2025	Redacted Purchase Agreement Memo
3056019013	BESS Site	Purchase Option	7/11/2027	Redacted Purchase Agreement Memo and Amendment
3056019026	BESS Site	Purchase Option	10/2/2026	Redacted Purchase Agreement Memo
3056019037	BESS Site	Owned	N/A	Grant Deed
3056019040	BESS Site	Owned	N/A	Grant Deed
3056015008	North & South Gen-Tie	Purchase Option	8/18/2026	Redacted Purchase Agreement Memo and Amendment
3056015023	North & South Gen-Tie	Purchase Option	10/17/2025	Redacted Purchase Agreement Memo
3056017027	North & South Gen-Tie	Purchase Option	1/26/2026	Redacted Purchase Agreement Memo
3056017028	North & South Gen-Tie	Purchase Option	1/26/2026	Redacted Purchase Agreement Memo
3056017026	North Gen-Tie	Purchase Option	10/17/2026	Redacted Purchase Agreement Memo and Amendment
3056017904	North Gen-Tie	Easement Agreement	N/A	N/A
3056017905	North Gen-Tie	Easement Agreement	N/A	N/A

APN	Location	Contract Type	Expiry Date	Supporting Documentation
3056017016	South Gen-Tie	Purchase Option	6/25/2027	Redacted Purchase Agreement Memo
3056017022	South Gen-Tie	Purchase Option	9/15/2026	Redacted Amended Purchase Agreement Memo
3056027007	South Gen-Tie	Purchase Option	9/19/2025	Redacted Purchase Agreement Memo
3056027031	South Gen-Tie	Purchase Option	9/16/2025	Redacted Purchase Agreement Memo

Note: APN = Assessor's Parcel Number; BESS = battery energy storage system; N/A = not available; gen-tie = generation tie line.

3.6.2 Impact Analysis

3.6.2.1 Methodology

The potential impacts associated with the Project were evaluated on a qualitative basis through a comparison of the existing land use and the proposed land uses, and includes consideration of applicable planning documents. The change in the land use on the Project site is considered potentially significant if the effect described under the thresholds of significance below occurs as a result of the Project.

3.6.2.2 Impact Evaluation Criteria

California Environmental Quality Act (CEQA) Guidelines Appendix G is a screening tool, not a method for setting thresholds of significance. CEQA Guidelines Appendix G is typically used in the Initial Study phase of the CEQA process, asking a series of questions. The purpose of these questions is to make a determination as to whether a project requires an Environmental Impact Report, Mitigated Negative Declaration, or Negative Declaration. As the Governor's Office of Planning and Research stated, "Appendix G of the Guidelines lists a variety of potentially significant effects, but does not provide a means of judging whether they are indeed significant in a given set of circumstances."

The answers to the Appendix G questions are not determinative of whether an impact is significant or less than significant. Nevertheless, the questions presented in CEQA Guidelines Appendix G are instructive. With respect to land use, CEQA Guidelines Appendix G asks, in part, would the project:

- Physically divide an established community?
- Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?
- Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use, excepting those lands that would be expected to be converted or retired even without the project due to insufficient water resources for continued commercial agriculture, land subsidence due to historic groundwater over-pumping, soil contamination due to inadequate drainage, or the local weather effects of climate change?
- Conflict with existing zoning for agricultural use, or a Williamson Act contract?
- Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?

3.6.2.3 CEQA Appendix G Assessment Criteria

3.6.2.3.1 Would the Project divide an established community?

No Impact. Neither the BESS facility nor the gen-tie transmission line routes will physically divide an established community. The BESS facility will be on undeveloped property between two transportation corridors: the Antelope Valley Freeway (State Route 14) and the Southern Pacific Railroad Lines and Carson Mesa Road. The gen-tie will extend from the BESS facility site to the SCE Vincent Substation, which is approximately 1 mile to the east, and will be sited within an area that contains several existing high-voltage transmission lines. Additionally, the Project site will be within an undeveloped rural area on the outskirts of the unincorporated community of Acton. The nearest municipality to the Project site is the City of Palmdale, which is approximately 4 miles to the northeast. There are a few single-family residences adjacent to the BESS site's northern and western boundaries, as well as a few other single-family residences in the vicinity of the gen-tie line routes.

The Project will maintain all existing access routes in the area. The Project will not result in the construction of new roadways or the elimination of existing roadways that could have the potential to isolate existing uses or create a diversion between existing local uses. There will be new private access roads internal to the Project site, but they will not affect public roads. The proposed Project will not impede the movement of goods or services to the surrounding residences because operational traffic demands will be almost negligible. Construction and decommissioning traffic will be temporary and short-term. Therefore, n**o impact** will occur.

3.6.2.3.2 Would the Project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Less-than-Significant Impact. As part of the Opt-In Application process, the California Energy Commission (CEC) will review the Project for consistency with the County of Los Angeles's (County) land use plans, policies, and regulations. Assembly Bill (AB) 205 expanded the CEC's authority under the Warren-Alquist Act to establish a new certification program for eligible non-fossil-fueled power plants using emergency rulemaking authority provided by AB 205. As part of the Opt-In Application process established under AB 205, the CEC will determine whether the Project will conflict with the County's land use and zoning policies. The Project's conformity with the County's General Plan and Municipal Code is provided below.

Consistency with the County's General Plan/Antelope Valley Area Plan

The Project site is within the Antelope Valley community and falls under the jurisdiction of the Antelope Valley Area Plan, which contains goals and policies that are designed to guide future development within the Antelope Valley community. As a component of the Los Angeles County General Plan, the Antelope Valley Area Plan refines the Countywide goals and policies in the General Plan by addressing specific issues relevant to the Antelope Valley, such as community maintenance and appearance, and provides more specific guidance on elements already found in the General Plan (County of Los Angeles 2024a).

The Antelope Valley Area Plan addresses goals, values and vision, land use, mobility, conservation and open space, public safety, services and facilities, economic development, community-specific land use concepts, and plan implementation (County of Los Angeles 2024a).

Table 3.6-1 details the Project's conformity with the Antelope Valley Area Plan.

Table 3.6-1. Project Conformity with Antelope Valley Area Plan

Policy	Project Consistency
Policy LU 3.1: Except within economic opportunity areas, prohibit new development on fault traces and limit the amount of development in Seismic Zones, through appropriate land use designations with very low residential densities, as indicated in the Land Use Policy Map (Map 2.1) of this Area Plan.	**Not applicable.** The Project site is not within a Seismic and Geotechnical Hazard Zone per the Los Angeles County General Plan Seismic and Geotechnical Hazard Zones Policy Map. Further, the Project is in an area designated in an area of very low residential densities per the Land Use Policy Map (Map 2.1) and will not conflict with this policy.
Policy LU 3.2: Except within economic opportunity areas, limit the amount of potential development in Very High Fire Hazard Severity Zones, through appropriate land use designations with very low residential densities, as indicated in the Land Use Policy Map (Map 2.1) of this Area Plan.	**Applicable and consistent.** The Project site is within a Very High Fire Hazard Severity Zone but does not contain residential uses. The Project will maintain the existing land use designation of very low residential densities per the Land Use Policy Map (Map 2.1). In addition, there will be limited number of on-site operational employees (16 employees) once construction is complete. Furthermore, the Project is equipped with multiple fire detection systems and is designed to comply with all applicable fire codes. The Project will not conflict with this policy.
Policy LU 3.3: Except within economic opportunity areas, limit the amount of potential development in Flood Zones designated by the Federal Emergency Management Agency, through appropriate land use designations with very low residential densities, as indicated in the Land Use Policy Map (Map 2.1) of this Area Plan.	**Applicable and consistent.** The Project's gen-tie lines traverse over a Flood Zone designated by the Federal Emergency Management Agency as a special flood hazard area. However, the Project is designed to minimize development in these hazard areas. Furthermore, the Project does not contain residential uses and will maintain the existing land use designation of very low residential densities per the Land Use Policy Map (2.1). The Project will not conflict with this policy.
Policy LU 3.4: Except within economic opportunity areas, limit the amount of potential development on steep slopes identified as Hillside Management Areas, through appropriate land use designations with very low residential densities, as indicated in the Land Use Policy Map (Map 2.1) of this Area Plan.	**Not applicable.** The Project is not on land identified as a Hillside Management Area per the Los Angeles County General Plan Hillside Management Areas and Ridgeline Management Map. The Project will maintain the existing land use designation of very low residential densities per Land Use Policy Map (Map 2.1) and will not conflict with this policy.
Policy LU 3.5: Except within economic opportunity areas, limit the amount of potential development in landslide and liquefaction areas, through appropriate land use designations with very low residential densities, as indicated in the Land Use Policy Map (Map 2.1) of this Area Plan.	**Not applicable**. The Project is not within landslide and liquefaction areas per the Los Angeles County General Plan Seismic and Geotechnical Hazard Zones Policy Map. The Project will maintain the existing land use designation of very

Table 3.6-1. Project Conformity with Antelope Valley Area Plan

Policy	Project Consistency
	low residential densities per the Land Use Policy Map (2.1) and will not conflict with this policy.
Policy LU 3.6: Except within economic opportunity areas, limit the amount of potential residential development in airport influence areas and near military lands, through appropriate land use designations with very low residential densities, as indicated in the Land Use Policy Map (Map 2.1) of this Area Plan.	**Not applicable**. The Project is not within an airport influence area per the Los Angeles County General Plan Airport Influence Areas Policy Map. The Project will limit development within the military operation area by maintaining the existing land use designation of very low residential densities and will not conflict with this policy
Policy LU 3.7: All development projects located on parcels that are within an airport influence area shall be consistent with all policies of that airport's land use compatibility plan.	**Not applicable**. None of the Project parcels are within an airport influence area per the Los Angeles County General Plan Airport Influence Areas Policy Map and will not conflict with this policy.
Policy LU 4.1: Direct the majority of the unincorporated Antelope Valley's future growth to the economic opportunity areas and areas that are served by existing or planned infrastructure, public facilities, and public water systems, as indicated in the Land Use designations shown on the Land Use Policy Map (Map 2.1) of this Area Plan.	**Applicable and consistent**. The Project will be a remotely operated facility with 16 on-site operational and maintenance employees. The Project's operations and maintenance building will connect to existing water and septic systems and will not conflict with this policy.
Policy LU 5.1: Ensure that development is consistent with the Sustainable Communities Strategy adopted in 2012, an element of the Regional Transportation Plan developed by the Southern California Association of Governments.	**Applicable and consistent**. The Project will provide the State of California with a mechanism of capturing, storing, and deploying renewable energy sources that will assist the State of California in complying with the Renewables Portfolio Standard under Senate Bill 350 (2015), which requires that 50% of all electricity sold in the state to be generated from renewable energy sources by December 31, 2030, and will support the Sustainable Communities Strategy's goal of reducing greenhouse gas emissions by enhancing the efficiency and reliability of renewable energy sources. Senate Bill 100 was approved in September 2018 and would increase the Renewables Portfolio Standard to a 100% goal by 2045.
Policy LU 5.2: Encourage the continued development of rural town centers that provide for the daily needs of surrounding residents, reducing the number of vehicle trips and providing local employment opportunities.	**Not applicable**. The Project will not contain commercial or residential uses and will not result in the continued development of rural town centers. Further, during operation of the Project, the number of vehicles trips associated with operations and maintenance of the Project will be minimal.

Table 3.6-1. Project Conformity with Antelope Valley Area Plan

Policy	Project Consistency
Policy LU 5.3: Preserve open space areas to provide large contiguous carbon sequestering basins.	**Not applicable**. The Project site is not designated as an open space area.
Policy LU 5.4: Ensure that there is an appropriate balance of residential uses and employment opportunities within close proximity of each other.	**Not applicable**. The Project is not a residential project.
Policy LU 6.2: Ensure that the Area Plan is flexible in adapting to new issues and opportunities without compromising the rural character of the unincorporated Antelope Valley.	**Applicable and consistent**. The Project will support the local community by providing improved efficiency and reliability of the electric grid, and, combined with other sustainable new energy technology that the Area Plan promotes, decrease the reliance on fossil fuels. The Project will be sited between two transportation corridors, near existing utility structures. Further, the Project will include a split face minimum 8-foot-tall masonry wall surrounding the BESS facility to aid as a visual buffer that will blend with the surrounding area. Refer to Section 3.13, Visual Resources, for additional details regarding visual resources.
Policy COS 3.1: Discourage the use of chemical fertilizers, herbicides and pesticides in landscaping to reduce water pollution.	**Applicable and consistent**. The Project will limit the use chemical fertilizers, herbicides, and pesticides in landscaping to the extent feasible.
Policy COS 3.2: Restrict the use of septic systems in areas adjacent to aqueducts and waterways to prevent wastewater intrusion into the water supply.	**Applicable and consistent**. The Project will remove the existing septic system on site and replace it with one that is farther away from major waterways, and will adhere to applicable regulations governing septic systems to prevent intrusion into the water supply.
Policy COS 3.3: Require a public or private sewerage system for land use densities that would threaten nitrate pollution of groundwater if unsewered, or when otherwise required by County regulations.	**Not applicable.** The Project will not require sewage systems.
Policy COS 3.4: Support preservation, restoration and strategic acquisition of open space to preserve natural streams, drainage channels, wetlands, and rivers, which are necessary for the healthy functioning of ecosystems.	**Applicable and consistent**. At the end of the Project's useful life, the Project will undergo decommissioning to standards required by then-current LORS.
Policy COS 3.5: Protect underground water supplies by enforcing controls on sources of pollutants.	**Applicable and consistent**. The Project will adhere to all applicable requirements governing spill prevention, hazardous materials, and stormwater management.
Policy COS 3.6: Support and encourage water banking facilities throughout the Antelope Valley, including within Significant Ecological Areas.	**Not applicable**. The Project will not entail a water banking facility.

Table 3.6-1. Project Conformity with Antelope Valley Area Plan

Policy	Project Consistency
Policy COS 4.1: Direct the majority of the unincorporated Antelope Valley's future growth to rural town centers and economic opportunity areas, minimizing the potential for habitat loss and negative impacts in Significant Ecological Areas.	**Applicable and consistent.** The BESS facility is not within a Significant Ecological Area. The gen-tie line will be sited in a Significant Ecological Area, but it falls in line with the existing land uses in the vicinity (SCE Vincent Substation). Furthermore, the Project will facilitate deployment of additional renewable energy resources in furtherance of several recent federal and state goals and targets regarding renewable energy resources, clean electricity, and zero carbon emissions.
Policy COS 4.2: Limit the amount of potential development in Significant Ecological Areas, including the Joshua Tree Woodlands, wildlife corridors, and other sensitive habitat areas, through appropriate land use designations with very low residential densities, as indicated in the Land Use Policy Map (Map 2.1) of this Area Plan.	**Applicable and consistent.** The Project will limit the amount of disturbance within the Significant Ecological Area. The BESS facility site is not within a Significant Ecological Area. The gen-tie line will be sited within a Significant Ecological Area but will maintain the existing very low residential density.
Policy COS 4.3: Require new development in Significant Ecological Areas to comply with applicable Zoning Code requirements, ensuring that development occurs on the most environmentally suitable portions of the land. Policy COS 4.4: Require new development in Significant Ecological Areas, to consider the following in design of the project, to the greatest extent feasible: ▪ Preservation of biologically valuable habitats, species, wildlife corridors and linkages; ▪ Protection of sensitive resources on the site within open space; ▪ Protection of water sources from hydromodification in order to maintain the ecological function of riparian habitats; ▪ Placement of development in the least biologically sensitive areas on the site, prioritizing the preservation or avoidance of the most sensitive biological resources onsite; ▪ Design of required open spaces to retain contiguous undisturbed open space that preserves the most sensitive biological resources onsite and/or serves to maintain connectivity; ▪ Maintenance of watershed connectivity by capturing, treating, retaining and/or infiltrating storm water flows on site; and ▪ Consideration of the continuity of onsite open space with adjacent open space in project design.	**Applicable and consistent.** The BESS facility is not within a Significant Ecological Area. A portion of the gen-tie line will be sited within a Significant Ecological Area and will comply with all Zoning Code requirements. In addition, the gen-tie line has been sited along existing roads to the extent feasible. Furthermore, environmental clearance surveys will be conducted to ensure that no unmitigated impacts will occur to biologically valuable habitats, species, wildlife corridors, or linkages. No water sources or watersheds will be impacted by the Project. Detention basins and stormwater facilities will be created for hydrologic control, and applicable best management practices will be implemented to prevent soil erosion and sedimentation.

Table 3.6-1. Project Conformity with Antelope Valley Area Plan

Policy	Project Consistency
Policy COS 4.5: Subject to local, state or federal laws, require new development to provide adequate buffers from preserves, sanctuaries, habitat areas, wildlife corridors, State Parks, and National Forest lands, except within Economic Opportunity Areas.	**Applicable and consistent**. The BESS facility is not within a Significant Ecological Area. A portion of the gen-tie line is sited within a Significant Ecological Area and will comply with all Zoning Code requirements. The Angeles National Forest is more than 1 mile from the Project site, which provides an adequate buffer. Further, the Project will be sited between two transportation corridors, near existing utility structures.
Policy COS 4.6: Encourage connections between natural open space areas to allow for wildlife movement. Policy COS 4.7: Restrict fencing in wildlife corridors. Where fencing is necessary for privacy or safety, require appropriate development standards that maximize opportunities for wildlife movement.	**Applicable and consistent.** The BESS facility site is between two transportation corridors: State Highway 14 and the Southern Pacific Rail lines, and will not impede wildlife movement north of State Highway 14 or south of the Southern Pacific Rail lines. The Project will include an overhead gen-tie line and underground communication lines, neither of which will be fenced, allowing wildlife to move without restriction. Refer to Section 3.2, Biological Resources, for additional details.
Policy COS 4.8: Ensure ongoing habitat preservation by coordinating with the California Department of Fish and Game to obtain the latest information regarding threatened and endangered species. Policy COS 4.9: Ensure water bodies are well-maintained to protect habitat areas and provide water to local species. Policy COS 4.10: Restrict development that would reduce the size of water bodies, minimizing the potential for loss of habitat and water supply.	**Applicable and consistent**. The Project applicant established communication with the California Department of Fish and Wildlife and is committed to future correspondence. The Project will not interfere or conflict with this policy. Please refer to Section 3.2, Biological Resources, for additional details.
Policy COS 5.1: Identify and protect natural landforms and vistas with significant visual value, such as the California Poppy Preserve, by designating them as Scenic Resource Areas.	**Not applicable**. The Project will not interfere or conflict with this policy. Please refer to Section 3.13, Visual Resources, for additional details regarding visual resources.
Policy COS 5.2: Except within economic opportunity areas, limit the amount of potential development in Scenic Resource Areas through appropriate land use designations with very low densities in order to minimize negative impacts from future development.	**Not applicable**. The Project is not in a Scenic Resource Area.
Policy COS 5.3: Require new development in Hillside Management Areas to comply with applicable Zoning Code requirements, ensuring that development occurs on the most environmentally suitable portions of the land.	**Not applicable**. The Project is not within a Hillside Management Area.

Table 3.6-1. Project Conformity with Antelope Valley Area Plan

Policy	Project Consistency
Policy COS 5.4: Require appropriate development standards in Hillside Management Areas that minimize grading and alteration of the land's natural contours, ensure that development pads mimic natural contours, and ensure that individual structures are appropriately designed to minimize visual impacts.	
Policy COS 5.5: Require adequate erosion control measures for all development in Hillside Management Areas, both during and after construction.	**Not applicable**. The Project site is not in a Hillside Management Area. Regardless, the Project will implement best management practices to reduce erosion during construction.
Policy COS 5.6: Restrict development on buttes and designated significant ridgelines by requiring appropriate buffer zones.	**Not applicable**. The Project site is not on a butte or designated significant ridgeline.
Policy COS 5.7: Ensure that incompatible development is discouraged in designated Scenic Drives by developing and implementing development standards and guidelines for development within identified viewsheds of these routes (Map 4.2: Antelope Valley Scenic Drives).	**Not applicable**. The Project site is not in a designated Scenic Drive.
Policy COS 6.1: Limit the amount of potential residential development in Agricultural Resource Areas (Map 4.3: Agricultural Resource Areas) through appropriate land use designations with very low residential densities, as indicated in the Land Use Policy Map (Map 2.1) of this Area Plan, minimizing the potential for future land use conflicts. Policy COS 6.2: Limit incompatible non-agricultural uses in Agricultural Resource Areas. Where non-agricultural uses are necessary to meet regional or community needs, require buffering and appropriate development standards to minimize potential conflicts with adjacent agricultural uses.	**Not applicable**. The Project is not a residential development project. The Project site is not in an Agricultural Resource Area.
Policy COS 6.3: Ensure that agricultural activities are included within the Antelope Valley's economic development strategies and pursue funding to support rural economic development and agriculture. Policy COS 6.4: Encourage the establishment of community farms, community gardens, and similar agricultural operations to produce local food and demonstrate the history, importance, and value of agriculture in the Antelope Valley. Policy COS 6.5: Encourage the establishment of local farmer markets, roadside stands, wineries and tasting rooms, and other forms of "agricultural tourism" throughout the Antelope Valley to expand potential sources of farm income	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy COS 6.6: Provide educational resources to farmers.	**Not applicable**. The Project is not an agricultural use. The Project does not contain any Williamson Act Contract lands (California Department of Conservation 2025c).

Table 3.6-1. Project Conformity with Antelope Valley Area Plan

Policy	Project Consistency
Policy COS 6.7: Investigate the feasibility of financial and/or zoning incentive programs for farmers, such as Williamson Act contracts, conservation easements and flexible zoning provisions. Policy COS 6.8: Support innovative agricultural business practices, such as agricultural tourism and farmers' cooperatives, necessary for adapting to changing economic and environmental conditions by streamlining regulations. Policy COS 7.1: Promote agricultural uses which sequester carbon and fix nitrogen. Policy COS 7.2: Support the use of alternative and renewable energy systems in conjunction with agricultural activities. Policy COS 7.3: Encourage sustainable agricultural and water quality best management practices such as runoff detention basins, use of vegetation filter strips, and organic farming. Policy COS 7.4: Ensure that agricultural activity is managed to minimize soil erosion and the release of contaminants into surface and groundwater resources.	
Policy COS 8.1: Allow new mineral resource extraction activities only in designated Mineral Resource Areas. Policy COS 8.2: Where new mineral resource extraction activities are allowed, ensure that applications undergo full environmental review and public noticing. Require site remediation after completion of mineral resource extraction activities. Policy COS 8.3: Provide strict enforcement of illegal or unpermitted mineral extraction activities. Policy COS 8.4: Protect MRZ-2's and access to MRZ-2's in the Antelope Valley from incompatible development and discourage incompatible adjacent land uses Policy COS 8.5: Work collaboratively with agencies to identify Mineral Resource Zones in the Antelope Valley and to prioritize mineral land use classifications in regional efforts. Policy COS 8.6: Manage mineral resources in the Antelope Valley in a manner that effectively plans for the access to, and the development and conservation of mineral resources for existing and future generations.	**Not applicable**. The Project site is not in a Mineral Resource Area and will not involve mineral resource extraction activities. The Project site is not in a Mineral Resource Zone.

Table 3.6-1. Project Conformity with Antelope Valley Area Plan

Policy	Project Consistency
Policy COS 9.1: Implement land use patterns that reduce the number of vehicle trips, reducing potential air pollution, as directed in the policies of the Land Use Element. Policy COS 9.2: Develop multi-modal transportation systems that offer alternatives to automobile travel to reduce the number of vehicle trips, including regional transportation, local transit, bicycle routes, trails, and pedestrian networks, as directed in the policies of the Mobility Element. Policy COS 9.3: In evaluating new development proposals, consider requiring trip reduction measures to relieve congestion and reduce air pollution from vehicle emissions.	**Applicable and consistent**. The Project will be a remotely operated facility and will limit the number of on-site operational employees to 16, thereby limiting the number of vehicle trips and air pollution.
Policy COS 9.4: Promote recycling and composting throughout the Antelope Valley to reduce air quality impacts from waste disposal activities and landfill operations.	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy COS 9.5: Encourage the use of alternative fuel vehicles throughout the Antelope Valley.	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy COS 9.6: Educate Antelope Valley industries about new, less polluting equipment, and promote incentives for industries to use such equipment.	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy COS 9.7: Encourage reforestation and the planting of trees to sequester greenhouse gas emissions.	**Applicable and consistent**. A Landscaping Plan will be prepared for the Project, which will describe the vegetation to be planted, the number of plants to be installed, and the placement of each plant.
Policy COS 9.8: Coordinate with the Antelope Valley Air Quality Management District and other local, regional, state, and federal agencies to develop and implement regional air quality policies and programs.	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy COS 10.1: Encourage the use of non-hazardous materials in all individual renewable energy systems and all utility-scale renewable energy production facilities to prevent the leaching of potentially dangerous run-off materials into the soil and watershed.	**Applicable and consistent**. The Project will implement procedures and best management practices to prevent the leaching of potentially dangerous run-off materials into the soil and watershed.
Policy COS 10.2: Ensure that all individual renewable energy systems and all utility-scale renewable energy production facilities do not interfere with commercial and military flight operations or communication facilities. Consult with Edwards Air Force Base and U.S. Air Force Plant 42 on all proposed renewable energy projects that require discretionary approval.	**Applicable and consistent**. The Project will not interfere with commercial or military flight operations or communication facilities. Consultation with the Department of Defense is ongoing.
Policy COS 10.3: Encourage the safe and orderly development of biomass conversion facilities as an alternative to burning agricultural wastes.	**Not applicable**. The Project will not burn agricultural waste, nor will it include development of biomass conversion facilities.

Table 3.6-1. Project Conformity with Antelope Valley Area Plan

Policy	Project Consistency
Policy COS 10.4: Promote methane recapture at landfills for purpose of generating energy and reducing fugitive greenhouse gas emissions.	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy COS 10.5: Encourage the development of emerging energy technologies, such as "solar roads."	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy COS 10.6: Encourage the development of Conversion Technologies such as anaerobic digestion and gasification for converting post recycled residual waste into renewable fuels and energy.	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy COS 11.1: Promote energy retrofits of existing public facilities throughout the County to complement and reduce dependence upon utility-scale renewable energy production facilities.	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy COS 11.2: Promote the use of solar-powered lighting for highways, streets, and public facilities, including parks and trails.	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy COS 11.3: Promote the use of renewable energy systems in public facilities, such as hospitals, libraries, and schools, to ensure access to power in the case of major disasters.	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy COS 12.1: Promote the use of individual renewable energy systems throughout the County to complement and reduce dependence upon utility-scale renewable energy facilities.	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy COS 12.2: Require appropriate development standards for individual renewable energy systems to minimize potential impacts to surrounding properties. Simplify the permitting process for individual renewable energy systems that meet these development standards.	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy COS 13.1: Direct utility-scale renewable energy production facilities, such as solar facilities, to locations where environmental, noise, and visual impacts will be minimized.	**Applicable and consistent**. The Project site will be on vacant land between two transportation corridors, thereby reducing negative impacts to local residents. The Project will comply with local noise ordinance and aesthetic-related development standards.
Policy COS 13.2: Restrict development of utility-scale wind energy production facilities within the vicinity of Edwards Air Force Base to limit interference with military operations.	**Not applicable**. The Project is not a utility-scale wind energy production facility.
Policy COS 13.3: Require all utility-scale renewable energy production facilities to develop and implement a decommissioning plan, with full and appropriate financial guarantee instruments that will restore the full site to its natural state upon complete	**Applicable and consistent**. The Project will undergo decommissioning in accordance with an approved Decommissioning Plan, consistent with then-applicable LORS.

Table 3.6-1. Project Conformity with Antelope Valley Area Plan

Policy	Project Consistency
discontinuance of operations and will restore non-operational portions of the site while the remainder continues operating.	
Policy COS 13.4: Promote the use of recycled water in utility-scale renewable energy production facilities to limit impacts on the available fresh water supply.	**Applicable and consistent**. Recycled water will be used during Project construction to the extent feasible.
Policy COS 13.5: Where development of utility-scale renewable energy production facilities cannot avoid sensitive biotic communities, require open space dedication within Significant Ecological Areas as a mitigation measure.	**Applicable and consistent**. The Project will comply.
Policy COS 13.6: Ensure that all utility-scale renewable energy production facilities, such as solar facilities, do not create land use conflicts with adjacent agricultural lands or existing residential areas in the vicinity. Require buffering and appropriate development standards to minimize potential conflicts. Policy COS 13.7: Limit the aesthetic impacts of utility-scale renewable energy production facilities to preserve rural character.	**Applicable and consistent**. The BESS facility will include a minimum 8-foot-tall block wall and include landscaping outside to act as an aesthetic buffer. Elements exhibiting rural character will be employed in the wall and landscape design to the extent feasible. Please refer to Section 3.13, Visual Resources, for additional details regarding visual resources.
Policy COS 13.8: Coordinate with other jurisdictions to plan for utility-scale renewable energy production facilities in order to minimize impacts to sensitive biotic communities and existing residential areas.	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy COS 13.9: Prohibit ground-mounted utility-scale renewable energy production facilities within Significant Ecological Areas and Economic Opportunity Areas.	**Not applicable**. The Project is not a ground-mounted energy production facility.
Policy COS 14.1: Require that new transmission lines be place underground whenever physically feasible. Policy COS 14.2: If new transmission lines cannot feasibly be placed underground due to physical constraints, require that they be collocated with existing transmission lines, or along existing transmission corridors, whenever physically feasible. Policy COS 14.3: If new transmission lines cannot be feasibly be placed underground or feasibly collocated with existing transmission lines or along existing transmission corridors due to physical constraints, direct new transmission lines to locations where environmental and visual impacts will be minimized. Policy COS 14.4: Discourage the placement of new transmission lines on undisturbed lands containing sensitive biotic communities. Policy COS 14.5: Discourage the placement of new transmission lines through existing communities or through properties with existing residential uses.	**Applicable and consistent**. The Project's gen-tie line will be overhead to minimize the amount of disturbance. For an overhead gen-tie line, the permanent disturbance will be limited to the gen-tie structures themselves and associated access roads, as opposed to a gen-tie line that requires a fixed disturbance width to place the line underground. The proposed route location of the Project's gen-tie line was selected to minimize the number of existing utility crossings, cross existing utilities at the optimum locations, minimize the total gen-tie length and number of gen-tie structures required, minimize the number of turning structures required, and enter the SCE Vincent Substation as close as possible to the point of interconnection. No parks, recreational areas, or scenic areas are within 1 mile of the proposed gen-tie route. The proposed gen-tie structures have been sited to avoid potential impacts to environmental resources to the extent feasible.

Table 3.6-1. Project Conformity with Antelope Valley Area Plan

Policy	Project Consistency
Policy COS 14.6: Review all proposed transmission line projects for conformity with the Goals and Policies of the Area Plan, including those listed above. When the California Public Utilities Commission is the decision-making authority for these projects, provide comments regarding conformity with the Goals and Policies of the Area Plan.	**Applicable and consistent**. The Project will comply with all California Public Utilities General Orders (GOs), specifically GO 95 (Rules for Overhead Electric Line Construction) and GO 128 (Rules for Construction of Underground Electric Supply and Communications Systems). The Project will also comply with the Goals and Policies of the Area Plan, as demonstrated in this table.
Policy COS 14.7: Require that electrical power lines in new residential developments be placed underground.	**Not applicable.** The Project is not a residential development.
Policy COS 15.1: Ensure that outdoor lighting, including street lighting, is provided at the lowest possible level while maintaining safety. Policy COS 15.2: Prohibit continuous all-night outdoor lighting in rural areas, unless required for land uses with unique security concerns, such as fire stations, hospitals, and prisons. Policy COS 15.3: Replace outdated, obtrusive, and inefficient light fixtures with fixtures that meet dark sky and energy efficiency objectives. Policy 15.4: Require compliance with the provisions of the Rural Outdoor Lighting District throughout the unincorporated Antelope Valley.	**Applicable and consistent**. The Project's lighting will only be in areas where it is required for safety, security, or operations. Low-elevation controlled security lighting will be installed at the Project substation and around the BESS yards, in accordance with applicable requirements and regulations. Permanent motion-sensitive, directional security lights will be installed to provide adequate illumination around the substation and points of ingress/egress. All lighting will be shielded and directed downward to minimize the potential for glare or spillover onto adjacent properties, compliant with applicable codes and regulations.
Policy COS 16.1: Except within Economic Opportunity Areas, require new development to minimize removal of native vegetation. Discourage the clear-scraping of land and ensure that a large percentage of land is left in its natural state.	**Applicable and consistent**. Vegetation removal will be performed to ensure the BESS facility is free from combustible vegetation to allow for fire protection and defensible space. The gen-tie structure access path will use existing access roads to the extent feasible to minimize new ground disturbance.
Policy COS 16.2: Maximize the use of native vegetation in landscaped areas, provided that vegetation meets all applicable requirements of the Fire Department and the Department of Public Works.	**Applicable and consistent**. Native vegetation will be used in the Project's landscaped areas to the maximum extent and will meet all applicable requirements of the Fire Department and the Department of Public Works.
Policy COS 17.1: Promote green building techniques for the construction and operation of public and private buildings in the unincorporated Antelope Valley.	**Applicable and consistent**. Green building techniques, such as waste reduction and recycling and water conservation, will be employed throughout the Project's life cycle.

Table 3.6-1. Project Conformity with Antelope Valley Area Plan

Policy	Project Consistency
Policy COS 17.2: Require that new buildings be sited and designed in a manner that maximizes efficient use of natural resources, such as air and light, to reduce energy consumption, heat profiles, and greenhouse gas emissions.	**Applicable and consistent**. The Project's operations and maintenance building will be designed in a manner to comply with this policy.
Policy COS 17.3: Promote energy retrofits of existing buildings.	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy COS 17.4: Promote the use of individual renewable energy systems and require appropriate development standards for such systems to minimize potential impacts to surrounding properties. Simplify the permitting process for individual renewable energy systems that meet these development standards.	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy COS 17.5: Protect active and passive solar design elements and systems from shading by neighboring structures and trees through appropriate development standards.	**Not applicable to the Project**. There are no solar fields adjacent to the Project site, and therefore will not cast shade on any active or passive solar elements.
Policy COS 17.6: Require new landscaping to comply with applicable water efficiency requirements in the County Code.	**Applicable and consistent**. The Project's Landscaping Plan will outline its compliance with applicable water efficiency requirements in the County Code.
Policy COS 17.7: Require low-flow plumbing fixtures in all new developments.	**Applicable and consistent**. The Project will comply.
Policy COS 17.8: Require onsite stormwater infiltration in all new developments through use of appropriate measures, such as permeable surface coverage, permeable paving of parking and pedestrian areas, catch basins, and other low impact development strategies.	**Applicable and consistent.** The Project will include the development of underground detention basins and stormwater facilities. Stormwater generated on site will flow to stormwater detention basins in the western portion of the proposed BESS facility site. Stormwater treatment and storage sizing will be designed to hold the anticipated runoff from a 100-year, 24-hour storm event in compliance with applicable regulations. In the event stormwater basins reach capacity, stormwater will be discharged from the detention basins via storm drainpipes and sheet flow at rates no greater than pre-development conditions following natural drainage patterns.
Policy COS 17.9: Require reduction, reuse, and recycling of construction and demolition debris.	**Applicable and consistent**. Solid waste produced from the Project's construction activities will be segregated and recycled to the extent feasible.
Policy COS 18.1: Encourage government agencies and conservancies to acquire mitigation lands in the following areas and preserve them as permanent open space: ▪ Significant Ecological Areas, including Joshua Tree Woodlands, wildlife corridors, and other sensitive habitat areas:	**Not applicable**. The Project will not interfere or conflict with this policy.

Table 3.6-1. Project Conformity with Antelope Valley Area Plan

Policy	Project Consistency
▪ Hillside Management Areas; ▪ Scenic Resource Areas, including water features such as the privately owned portion of Elizabeth Lake, significant ridgelines, buttes, and other natural landforms; ▪ Land adjoining preserves, sanctuaries, State Parks, and National Forests; and ▪ Privately owned lands within the National Forest.	
Policy COS 18.2: Ensure that open space acquisition is conducted in a fair and equitable manner.	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy COS 18.3: Maintain permanently preserved open space areas to ensure attractiveness and safety.	**Not applicable**. The Project will not impact any permanently preserved open space areas.
Policy COS 18.4: Pursue funding for open space acquisition and maintenance on an ongoing basis.	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy COS 18.5: Provide parks and recreational facilities, as directed in the policies of the Public Safety, Services, and Facilities Element.	**Not applicable**. The Project will not interfere or conflict with this policy. The Project will not entail residential development that will require new parks or recreational facilities.
Policy COS 19.1: When new development is required to preserve open space, require designs with large contiguous open space areas that maximize protection of environmental and scenic resources. Policy COS 19.2: Allow large contiguous open space areas to be distributed across individual lots so that new development preserves open space while maintaining large lot sizes that are consistent with a rural environment, provided that such open space areas are permanently restricted through deed restrictions.	**Not applicable**. The Project is not required to preserve, distribute, or restrict open space.
Policy COS 19.3: Pursue innovative strategies for open space acquisition and preservation through the land development process, such as Transfers of Development Rights, Land Banking, and Mitigation Banking, provided that such strategies preserve rural character.	**Not applicable**. The Project will not interfere or conflict with this policy.
Policy PS 1.1: Limit the amount of potential master-planned development in Very High Fire Hazard Severity Zones through appropriate land use designations with very low residential densities, as indicated in the Land Use Policy Map (Map 2.1) of this Area Plan.	**Not applicable**. The Project site is in a Very High Fire Hazard Severity Zone but will not entail residential development.
Policy PS 1.2: Require that all new developments provide sufficient access for emergency vehicles and sufficient evacuation routes for residents and animals.	**Applicable and consistent**. All internal roadways and private driveways will be constructed to meet access requirements for emergency response requirements. All new access roads,

Table 3.6-1. Project Conformity with Antelope Valley Area Plan

Policy	Project Consistency
	driveways, and internal and perimeter roads will be constructed to sufficient standards as to not impede evacuation routes for residents and animals.
Policy PS 1.3: Promote fire prevention measures, such as brush clearance and the creation of defensible space, to reduce fire protection costs.	**Applicable and consistent**. Vegetation on the site will be removed where necessary to ensure the BESS facility is free from combustible vegetation. The gen-tie structure access path will use existing roads to the maximum extent possible to minimize new ground disturbance and allow for fire protection and defensible space.
Policy PS 1.4: Provide strict enforcement of the Fire Code and all Fire Department policies and regulations.	**Applicable and consistent**. The Project will comply with all Fire Code and Fire Department policies and regulations. The Project has established communication with the Los Angeles County Fire Department has reviewed the Draft Standards, and will comply with the standards reviewed.
Policy PS 2.1: Limit the amount of potential development in Seismic Zones and along the San Andreas Fault and other fault traces, through appropriate land use designations with very low residential densities, as indicated in the Land Use Policy Map (Map 2.1) of this Area Plan.	**Not applicable**. The Project site is not in a Seismic Zone.
Policy PS 2.2: Limit the amount of development on steep slopes (Hillside Management Areas) and within landslide and liquefaction areas, through appropriate land use designations with very low residential densities, as indicated in the Land Use Policy Map (Map 2.1) of this Area Plan.	**Not applicable**. The Project site is not in a Hillside Management Area, nor is it within landslide and liquefaction areas.
Policy PS 2.3: Prohibit the construction of new structures on or across a fault trace.	**Not applicable**. The Project site is not on a fault trace.
Policy PS 2.4: Ensure that new development does not cause or contribute to slope instability.	**Applicable and consistent**. The Project will adhere to all applicable building codes.
Policy PS 3.1: Limit the amount of potential development in Flood Zones designated by the Federal Emergency Management Agency through appropriate land use designations with very low residential densities, as indicated in the Land Use Policy Map (Map 2.1) of this Area Plan.	**Not applicable**. The Project site is not within a Flood Zone designated by the Federal Emergency Management Agency. The gen-tie route is designed to minimize development within a Flood Zone.
Policy PS 3.2: Require onsite stormwater filtration in all new developments through use of appropriate measures, such as permeable surface coverage, permeable paving of parking and pedestrian areas, catch basins, and other low impact development strategies.	**Applicable and consistent**. The Project will include development of detention basins and stormwater facilities for hydrologic control.

Table 3.6-1. Project Conformity with Antelope Valley Area Plan

Policy	Project Consistency
Policy PS 3.3: Review the potential local and regional drainage impacts of all development proposals to minimize the need for new drainage structures.	**Applicable and consistent**. Construction of the Project will entail rough grading and grubbing/vegetation removal where required to accommodate site drainage. Stormwater generated on site will flow to underground stormwater detention basins, avoiding the need for new regional drainage structures.
Policy ED 1.10: Promote small-scale, household based renewable energy systems to enable Antelope Valley residents to become energy independent.	**Not applicable**. The Project is utility-scale.
Policy ED 1.11: Encourage the development of utility-scale renewable energy projects at appropriate locations and with appropriate standards to ensure that any negative impacts to local residents are sufficiently mitigated.	**Applicable and consistent**. The Project site is on mostly vacant land between two transportation corridors, and in close proximity to existing electrical infrastructure and the existing SCE Vincent Substation, thereby avoiding and minimizing potential negative impacts to local residents.
Policy ED 1.12: Adopt regulations that ensure that local residents receive a fair share of the benefits of utility-scale renewable energy projects that are commensurate to their impacts.	**Applicable and consistent**. The Project will improve efficiency and the reliability of the electrical grid for the community. The Project will also provide a net economic benefit to the community through construction jobs, property and sales taxes, construction and maintenance services, and increased energy efficiency and reliability, while requiring little in the way of public facilities and services. Please refer to Section 3.10, Socioeconomics, for additional details regarding economic benefits.
Policy ED 1.13: Ensure early discussions with Edwards Air Force Base and U.S. Air Force Plant 42 regarding new industries, such as utility-scale renewable energy production facilities, to limit potential impacts on mission capabilities.	**Applicable and consistent**. The Project has established communication with the Department of Defense and is committed to continued consultation.

Sources: County of Los Angeles 2024a, 2024b, 2025b.
Notes: BESS = battery energy storage system; County = County of Los Angeles; LORS = laws, ordinances, regulations, and standards; SCE = Southern California Edison

Conformity with the County's Municipal Code Title 22 Planning and Zoning

The Project site is zoned as Light and Heavy Agriculture (A-1 and A-2) (County of Los Angeles 2024b). A BESS is not expressly defined in the County's Zoning Code. However, the County issued a memorandum in 2021 regarding BESS, which, in the context of land use, specifically defines a BESS as an energy storage device that is considered most similar to an electrical distribution substation, and further confirms that BESS facilities "are allowed in all zones with either a Site Plan Review (SPR) or a Conditional Use Permit (CUP), except the Mixed Use Development Zone where it is prohibited" (County of Los Angeles 2021). In the Project's case, a Conditional Use Permit will apply, but for the Commission's jurisdiction. Consistent with Zoning Code Section 22.58.050 (Findings and Decision), the following Conditional Use Permit findings are provided:

- The PSRP will be consistent with the adopted General Plan for the area:
  - The Project site is designated "Rural Land" according to the Los Angeles County Antelope Valley Area Plan: Town & Country. The proposed Project is consistent with the applicable County plans for the Project site and will be designed in compliance with applicable regulations and conditions pertaining to energy storage facilities. The Project is also consistent with Area Plan goals that call for the development of renewable energy resources while preserving and protecting the natural and rural environments of the Antelope Valley. As discussed in the Area Plan, "Utility-scale renewable energy production facilities may be allowed in Rural Land designations without a Plan Amendment. However, applications for such facilities may require discretionary approval and shall be subject to the California Environmental Quality Act and the County's environmental review and public hearing procedures. Applications for such facilities must be carefully considered and must be consistent with the relevant Goals and Policies of the Area Plan, especially Goal COS 10 and related policies, Goal COS 13 and related policies, and Goal COS 14 and related policies. Table 3.6-1 above discusses how the Project is consistent with all Area Plan policies, including COS 10, 13, and 14.
- The PSRP [Project] at the location proposed will not:
  a. Adversely affect the health, peace, comfort, or welfare of persons residing or working in the surrounding area;
  b. Be materially detrimental to the use, enjoyment, or valuation of property of other persons located in the vicinity of the site; and
  c. Jeopardize, endanger, or otherwise constitute a menace to the public health, safety, or general welfare.
  - The Project will not adversely affect public health, safety, or welfare or be detrimental to use, enjoyment, or valuation of property of other persons located in the vicinity of the site. Please refer to the analysis and mitigation measures in the following Sections that discuss public health, safety, property: Section 3.1 Air Quality, Section 3.5 Hazardous Materials Handling, Section 3.7 Noise, Section 3.9 Public Health, Section 3.10 Socioeconomics, and Section 3.17 Worker Health and Safety.
- The BESS Facility Site is adequate in size and shape to accommodate the yards, walls, fences, parking and loading facilities, landscaping, and other development features prescribed in this Title 22, or as is otherwise required in order to integrate said use with the uses in the surrounding area.
  - The BESS Facility site is approximately 71 acres in size and has been designed to meet project objectives while ensuring compliance with local development standards. All fencing, landscaping, access roads, and other development features will be designed in accordance with the County's development standards. Refer to Appendix 2A, Site Plan Package, Appendix 2B, Conceptual Landscape Plan, and Section 2.0, Project Description for more details.

- The PSRP is adequately served:
  a. By highways or streets of sufficient width, and improved as necessary to carry the kind and quantity of traffic such use would generate; and
  b. By other public or private service facilities as are required.
  - Construction and operation traffic will access the Project site from existing adequate roadways including SR-14, Sierra Highway, and Soledad Canyon Road. Driveways will be constructed in accordance with County and Fire Department standards. No public roadway improvements are expected to be required. In addition, operational traffic will be minimal as the project will employ 16 onsite staff. Regarding service facilities, the project's O&M buildings will be served by an existing groundwater well which will provide water for washroom and a septic system will provide for sanitary facilities. The O&M buildings will be powered via a distribution line from the Project substation.

Development standards applicable to BESS as found in Section 22.140.200 require the following:

- Walls.
  - All installations shall be completely surrounded by a masonry wall a minimum of eight feet in height.
  - The requirements may be modified upon approval a Minor Conditional Use Permit application. The Commission or Hearing Officer may approve the substitution of such wall with an industrial-type fence that serves a similar purpose, such as a chain-link fence with embedded plastic or PVC strips or screen planting that evenly obscures at least 95 percent of the fence surface area.
  - Landscaping. The area between the fence or wall and the property line shall be landscaped and maintained while such use exists.

The Project will conform to the wall requirement. The BESS facility will be enclosed with a minimum 8-foot-tall block wall topped with 1-foot of three-stranded barbed wire or razor wire. The wall will be installed on the outside of the perimeter road. An additional internal chain-link fence will be installed around the Project substation area, separating the BESS containers from the Project substation. Where feasible, landscaping will be installed and maintained between the wall and property line. The northeast area of the Project site may not have landscaping installed because the space between the wall and property line will be used to provide access to the neighboring landowners. Therefore, the Project will conform to the wall development standard.

Conformity with the Acton Community Standards District

The Project site is located within the Acton CSD, as designated by Chapter 22.302 of Title 22 of the Los Angeles County Code (County of Los Angeles 2024c). The Acton CSD is intended to maintain the community's rural and equestrian character, limit suburban-style development, and preserve significant natural features, such as ridgelines, hillsides, and native vegetation.

The Acton CSD establishes supplemental development standards that apply in addition to those of the base zoning district. Chapter 22.302.080 specifies area-specific development standards for residential lots in Rural Land 1 (RL1), Rural Land 2 (RL2), Rural Land 10 (RL10), or Rural Land 20 (RL20) areas, as designated by the Antelope Valley Area Plan Land Use Policy Map. The Project is exempt from most of these standards, as it does not involve new residential lot divisions. Specifically, Subsections A.1–A.3, which address minimum lot area, lot width, and lot length, do not apply, as the Project is a standalone industrial facility on an existing parcel. However, Subsection A.4, requiring setbacks of 50 feet for front and rear yards and 35 feet for side yards in RL2, RL10, or RL20 areas, is applicable. The Project complies by siting the Project to maintain these distances from property lines, as verified by

the site plans (Section 2.0, Appendices 2A and 2B). Subsection B, pertaining to RL1 areas, does not apply, as the Project site is not located in an RL1 area and does not involve residential development. Key Community Wide Development Standards identified in Chapter 22.302.060 and the Project's consistency with each are outlined below:

Table 3.6-2. Project Conformity with the Acton Community Standards District

Community Wide Development Standard	Project Consistency
A. Hillside Design Considerations. Hillside resources are among the most important features of the Acton community. Hillside regulations shall be enforced by a specific written analysis in each case, demonstrating conformance with the following objectives. Development plans shall comply with the following objectives: 1. Preserve to the greatest extent possible existing natural contours and natural rock outcropping features. Structures and required provisions for access and public safety should be designed to minimize encroachment on such features by the use of such techniques as curvilinear street designs and landform grading designs which blend any manufactured slopes or required drainage benches into the natural topography; 2. Preserve to the greatest extent possible the natural silhouette in significant ridgeline areas. Significant ridgelines are the ridgelines that surround or visually dominate the Acton landscape either through their size in relation to the hillside or mountain terrain of which they are a part, or through their visual dominance as characterized by a silhouetting appearance against the sky, or through their visual dominance due to proximity and view from existing development, freeways and highways designated as Major, Secondary, or Limited Secondary on the Highway Plan; 3. While observing minimum lot area standards contained in this Chapter, cluster development where such technique can be demonstrated to substantially reduce grading alterations and contribute to the preservation of native vegetation and prominent landmark features; 4. Blend buildings and structures into the terrain by sensitive use of building setbacks, structure heights, and architectural designs; and 5. Minimize disruption of view corridors, scenic vistas, and adjacent property by the use of sensitive site design and grading techniques.	**Applicable and consistent.** 1. The Project preserves existing natural contours and avoids disturbance of visible rock outcroppings to the maximum extent practicable. Associated site and landscaping plans can be found in Section 2.0, Appendices 2A and 2B. 2. The Project site is not located on, nor will it impact, any significant ridgeline as shown in the Significant Ridgeline dataset on the Los Angeles County Enterprise Geographic Information System (GIS) Hub (County of Los Angeles Department of Regional Planning 2014). The nearest significant ridgeline is located about 5.91 miles from the Project site. 3. The Project's infrastructure and battery energy storage system (BESS) components are consolidated within a compact development footprint, reducing the area of grading required and preserving surrounding native vegetation to the maximum extent feasible. No prominent landmark features have been identified on the Project site. Further detail on visual character and potential impact to scenic features is provided in Section 3.13. 4. The Project employs setbacks and relatively low-profile structures to visually integrate with the surrounding landscape. 5. There are no designated public scenic vistas identified in the County's General Plan (County of Los Angeles 2024b), and there are no known or recognized public scenic vistas in the surrounding area. The Project site is not considered a scenic resource by the County and is not within an area plan designated Scenic Resource Area or Significant. Additional discussion on visual impact can be found in Section 3.13.2.5.
B. Preservation of Native Vegetation. Development plans shall emphasize the protection of, and revegetation with, native vegetation, including the native plants, grasses, shrubs, and trees which intercept, hold, and more slowly release rainfall	**Applicable and consistent.** As discussed in Section 3.2.2.2.2, the Project will result in temporary and permanent impacts to sensitive plant communities

Table 3.6-2. Project Conformity with the Acton Community Standards District

Community Wide Development Standard	Project Consistency
than bare earth surfaces. It is intended that equestrian uses such as stables and arenas which will result in vegetation removal be accommodated, provided the design of these uses does not create erosion or flooding potential that would create a safety hazard to structures or off-site property, as determined by Public Works. On any lot consisting of one acre or greater, the removal or destruction of native vegetation exceeding 10 percent of the lot area within any 12-month period shall require a Minor Conditional Use Permit (Chapter 22.160) application. 1. Application Required. A Minor Conditional Use Permit (Chapter 22.160) application is required for any application involving grading (including brushing or vegetation removal to accommodate equestrian uses). A site plan for review must be included as part of the application. This information may be submitted in conjunction with other site plan information that may be required for the project. Within hillside areas, such application must comply with Chapter 22.104 (Hillside Management Area), which requires a Conditional Use Permit (Chapter 22.158) application for projects in hillside management areas. 2. Issuance Conditions. The Review Authority shall approve the application, with appropriate conditions, relating to this Subsection B only, for all or a portion of the proposed work when satisfied: a. That the performance of such work is consistent with the intent of this Subsection to preserve native vegetation; b. That such work will not result in a flood or erosion hazard to this or other properties; and c. That the proposed work conforms with the requirements of other laws or ordinances. 3. For commercial agricultural uses, relief from the standards of this Subsection B pertaining to replacement with native vegetation may normally be granted through the provisions of Section 22.302.090 (Modification of Development Standards). 4. Exceptions. The provisions of this Subsection B shall not apply to, and a Minor Conditional Use Permit is not required for: a. The removal or reduction of vegetation for the purpose of complying with County regulations relating to brush clearance for fire safety. This exception includes not only required vegetation control around structures but also the creation and maintenance by a public agency of firebreaks used to control the spread of fire; b. The removal or destruction of vegetation on publicly owned rights-of-way for roads, highways, flood control projects, or other similar or related uses;	through the removal of vegetation and grading of land to construct the Project. The Project will mitigate for permanent impacts to sensitive plant communities via the establishment of a conservation area that will preserve sensitive vegetation communities in perpetuity and will prepare and implement a Habitat Mitigation and Monitoring Plan to restore the temporarily impacted sensitive vegetation communities (see Mitigation Measure [MM] BIO-5 and MM-BIO-6 within Section 3.2 for additional details). 1. This Project is being processed under Assembly Bill (AB) 205; therefore, a County-issued Conditional Use Permit (CUP) is not required. Associated site plans can be found in Section 2.0, Appendix 2A, Site Plan Package. 2. (a) The Project preserves native vegetation wherever feasible and incorporates mitigation for unavoidable impacts as described in Section 3.2.2.2.2, MM-BIO-5, and MM-BIO-6. This includes permanent protection of sensitive vegetation through a conservation area and restoration of disturbed areas under a Habitat Mitigation and Monitoring Plan. (b) Hydrologic review confirms the Project site is not particularly susceptible to flood or erosion hazards. Discussion on flooding potential and stormwater control best management practice (BMP) implementation can be found in Sections 3.15.2 and 3.15.3. (c) The Project complies with all applicable state laws and local ordinances, including AB 205 requirements. 3. Not applicable. The Project is not a commercial agricultural use. 4. Not applicable. No exceptions apply.

Table 3.6-2. Project Conformity with the Acton Community Standards District

Community Wide Development Standard	Project Consistency
c. The removal or destruction of vegetation by public utilities on rights-of-way or property owned by such utility, or on land providing access to such rights-of-way or property; d. Work performed under a permit issued for precautionary measures to control erosion and flood hazards; and e. The selective removal or destruction of noxious weeds or plants which pose a hazard to animals.	
C. Architectural Style and Project Design Considerations. 1. All uses in commercial land classifications in the Antelope Valley Area Plan and all nonresidential uses within Residential and Rural Land classifications which are not accessory to residential structures shall: a. Not exceed a height of 35 feet except for chimneys and pole antennas, which may not exceed a height of 45 feet; b. Be designed in a "Western frontier village, circa 1890s style" in substantial conformance with the architectural style guidelines in Appendix I at the end of this Chapter and as maintained by the Department; and c. Be designed to conceal from public view all external utilities, such as roof-mounted air conditioning or heating units, or other improvements not contributing to the Western architectural design, such as satellite dish antennas. Solar panels that are designed as part of a roof line and blend with the overall roof appearance need not be concealed. An exterior architectural rendering, with materials and colors indicated, shall be submitted with any application request for structural improvements. 2. Restricted access subdivisions are prohibited.	**Applicable and consistent.** 1. (a) Proposed Project equipment and associated structures, with the exception of the substation equipment (up to 150 feet), will not exceed 35 feet in height. For additional details refer to Table 2-1 in Section 2.0. (b) The Project incorporates muted earth-tone colors to reduce visual contrast with the surrounding landscape, consistent with the CSD's intent to minimize visual impacts. As discussed in Section 3.13 (Table 3.13-2), the aesthetic characteristics of each major Project component, including dimensions, materials, and finishes, have been selected to blend with the natural desert environment. While the Project is a modern utility facility and not a habitable structure, the design approach supports the visual goals of the CSD. (c) No roof-mounted air conditioning, heating units, or satellite dishes are proposed. External utilities will be located within fenced or enclosed areas to screen them from public view. A visual rendering package with material and color specifications can be found in Section 3.13. 2. Not applicable. The project does not include any restricted access subdivision.
D. Drainage. The following provisions are intended to slow or reduce runoff from new development and protect and enhance the rural character of Acton. In addition to existing County standards for the control of runoff, the following standards shall be observed: 1. The maximum impervious finished surface area for residential and associated accessory uses shall not exceed 10 percent for lots three net acres or larger; not exceed 21 percent or 13,000 square feet, whichever is smaller, for lots between one and one-quarter net acres and three net acres; and not exceed 42 percent or 11,000 square feet, whichever is smaller, for lots smaller than one and one-quarter net acres; 2. Maximum impervious finished surface areas for nonresidential uses shall not exceed:	**Applicable and consistent.** 1. Not applicable. The Project is nonresidential. 2. The Project is classified as a nonresidential utility facility, which falls within the "warehousing, manufacturing, storage" category with a maximum impervious finished surface area of 90%. The proposed site design maintains total impervious surfaces below this limit, as a substantial portion of the Project footprint consists of permeable or semi-permeable surfaces, including native soil, restored vegetation areas, and gravel access paths. The Project will introduce new

Table 3.6-2. Project Conformity with the Acton Community Standards District

Community Wide Development Standard	Project Consistency
a. 65 percent for open storage and homes for the aged; b. 74 percent for hospitals, cemeteries, mausoleums, and mortuaries; c. 82 percent for churches and schools; or d. 90 percent for stores, office buildings, warehousing, manufacturing, storage, shopping centers, restaurants, service stations, parking lots, motels/hotels, kennels, lumber yards, professional buildings, banks, and supermarkets; 3. Partially impervious surfaces, such as perforated concrete blocks that allow vegetation growth, may be used where public safety is not a consideration, such as private patios and driveways; credit shall be given for the portion of such surfaces that are not impervious. This provision shall not be used to modify standards for parking surfaces required by Section 22.112.080 (Parking Design). 4. All residential buildings with rain gutters shall collect and direct all roof runoff towards permeable surfaces, rather than towards impervious surfaces such as paved driveways; 5. This CSD discourages the use of concrete facilities to mitigate flood hazards; and 6. Flood hazard mitigation shall be consistent with floodplain management practices and existing drainage policies.	impervious surfaces for equipment pads, access roads, and ancillary facilities, but all site drainage is designed to comply with Los Angeles County requirements by capturing and infiltrating the difference in runoff between existing and proposed conditions up to the 50-year, 24-hour storm event for the two on-site drainage areas (Section 3.15.2.3). 3. Where feasible, the Project incorporates gravel surfacing and other permeable materials to promote infiltration and slow runoff. Gravel surfacing will be used for internal roads and certain equipment areas, which will reduce the total effective imperviousness. 4. Not applicable. The Project does not include residential buildings with rain gutters. 5. Concrete structures will be used only where necessary for operational safety or regulatory compliance. 6. The Project's drainage design is consistent with County floodplain management practices and existing drainage policies. Additionally, the Project site is not located within a 100-year floodplain as mapped by the Federal Emergency Management Agency and is not within a Flood Awareness Zone (Section 3.15.2.3).
E. Billboards. This CSD shall be designated a Billboard Exclusion Zone (Chapter 22.50).	**Not applicable.** The Project does not include billboards.
F. Signs. 1. Notwithstanding any other provision of this Title 22, all signs permitted by this Subsection F shall conform to the following: a. Signage shall be unobtrusive and shall promote the style of the Western frontier architectural guidelines; and b. Lighting shall be external, using fixtures designed to focus all light directly on the sign, and internal illumination shall be prohibited. 2. Except as specifically exempted by Section 22.114.030 (Exemptions), no sign, including those prohibited by Section 22.114.040 (Prohibited Signs Designated), shall be erected within this CSD except as provided for by this Subsection F.2: a. Wall business signs, as provided by Section 22.114.110 (Wall Business Signs), except that no wall business sign attached to a building, including the roof, shall be higher than the highest point of the building, excluding chimneys and antennas. The maximum area permitted of a wall sign is one and one-half square feet for each one linear	**Not applicable.** No commercial signage is proposed for the Project. Any necessary safety or informational signs will be limited in size and consistent with CSD requirements.

Table 3.6-2. Project Conformity with the Acton Community Standards District

Community Wide Development Standard	Project Consistency
foot of building frontage, not to exceed 100 square feet per tenant; b. Freestanding business signs, typically monument style, as provided for in Section 22.114.120 (Roof and Freestanding Business Signs), except that roof business signs shall be prohibited, the height of such signs shall be limited to five feet measured from the natural grade at street level, and the maximum area of combined faces on such signs shall be limited to 100 square feet; c. Residential ranch entrance signs, provided that only one span per lot shall be permitted for such signs, the top of each sign shall not exceed 20 feet from natural grade, and the surface areas of such signs shall not exceed 12 square feet; and d. Temporary, directional, informational and special purpose signs, as provided for by Sections 22.114.170 (Temporary Real Estate Signs), 22.114.180 (Temporary Construction Signs), 22.114.190 (Directional and/or Informational Signs), 22.114.200 (Special—Purpose Signs), and 22.114.210 (Temporary Subdivisions and Real Estate Signs).	
G. Fence Design. In addition to standards provided in Section 22.110.070 (Fences and Walls) concerning the height of fences, the following fence design features shall apply to the construction of perimeter fencing: 1. Only split rail, open wood, wire, or wrought iron style or similar open-type perimeter fences shall be permitted, except on residential lots of less than 10,000 square feet, or unless view-obscuring fences are required for visual shielding by other provisions of this Title 22; and 2. Except where otherwise required by this CSD, at least 70 percent of the entire fence area shall be non-view-obscuring; no slats or other view-obscuring materials may be inserted into or affixed to such fences. Any solid lineal sections must be primarily for structural purposes or provide minor architectural design features.	**Applicable and consistent.** The Project follows the fencing requirements outlined in Section 22.140.200 (Electric Distribution Substations, Including Related Microwave Facilities).
H. Outdoor Lighting. Outdoor lighting shall be provided in accordance with the applicable provisions of Chapter 22.80 (Rural Outdoor Lighting District). Where outdoor lights are required, light fixtures in keeping with the Western frontier architectural style will be required.	**Applicable and consistent.** The Project adheres to the provisions of Chapter 22.80, emphasizing minimal outdoor lighting. Security lighting, including permanent motion-sensitive, directional lights, will be installed around the BESS yards, substation, control house exterior, and points of ingress/egress, as detailed in Section 3.13, Table 3.13-5. The fixtures will include dulled metallic finishes to minimize glare.
I. Street Improvements. Street improvements shall complement the rural character of the Acton community and street lights shall be provided in accordance with the	**Not applicable.** The Project does not involve any street improvements.

Table 3.6-2. Project Conformity with the Acton Community Standards District

Community Wide Development Standard	Project Consistency
applicable provisions of Chapter 22.80 (Rural Outdoor Lighting District): 1. All required local and highway streetlights shall utilize cut-off "Mission Bell" design fixtures, as specified by the local electric utility. 2. Concrete sidewalks, curbs, and gutters will generally not be required on local streets. In all new land divisions, inverted shoulder cross-sections will be specified for local streets, unless an alternate design is necessary for public safety, as determined by Public Works. Curbs and gutters, or fencing with inverted shoulders, may be required where trail use is within the roadway easement.	
J. Trail Easements. In reviewing and establishing design conditions for any land division, the Review Authority shall consider community trails objectives and whether or not they may be promoted or benefited by such division. Alternative proposals for trail easements consistent with community goals shall be developed and considered in conjunction with each land division. 1. Unobstructed multipurpose pathways for both pedestrian and equestrian uses should be developed in each new land division to the satisfaction of both Parks and Recreation and Public Works. Although alignments that are not adjacent to roadways will generally be preferred, road easements may be used when the Review Authority determines that other locations are inappropriate. 2. Any trail incorporated into a land division must contain a provision for participation in a community-wide trail maintenance financing district or other appropriate financing mechanism; the district or other financing mechanism must be established prior to the construction of the trail. 3. Parks and Recreation will work with the community to establish an appropriate mechanism for financing trail maintenance.	Not applicable. The Project does not involve land divisions or the development of new trails. The Project will not obstruct or impact mapped County or regional trails, nor affect trail access within a 5-mile radius, as detailed in Appendix 3.13A.
K. Home Occupations. 1. Application. Home occupations are permitted, subject to a Ministerial Site Plan Review (Chapter 22.186) application, to enable a resident to carry on an income-producing activity, which is incidental and subordinate to the principal use of residential property, when such activity will not be disruptive to the character of the Acton community. 2. Additional Standards. Home occupation shall comply with the following standards: a. The home occupation shall occur on a lot used primarily as the permanent residence of the person or persons operating the home occupation, and be secondary and incidental to the principal use of the lot, and not change the residential character and appearance of the dwelling unit;	Not applicable. The Project does not involve home occupations as it is nonresidential use.

Table 3.6-2. Project Conformity with the Acton Community Standards District

Community Wide Development Standard	Project Consistency
b. Not more than two persons, other than resident occupants, shall be employed or volunteer their services on site; c. The number of off-street vehicle parking spaces shall comply with Chapter 22.112 (Parking), as well as provide one additional on-site vehicle parking space, either covered or uncovered, for each employee or volunteer; d. The combined floor area of the home occupation shall not occupy more than 20 percent of the total floor area of the residence (excluding accessory buildings) or 350 square feet, whichever is lesser; e. No noise or sound shall be created which exceeds the levels contained in Chapter 12.08 (Noise Control) of Title 12 (Environmental Protection) of the County Code; f. On-site signage or display in any form which advertises or indicates the home occupation is prohibited; g. No sale of goods shall occur at the premises where the home occupation is located; h. Business traffic shall occur only between the hours of 8:00 a.m. and 6:00 p.m. Home occupation related vehicle trips to the residence shall not exceed six per day; and i. Approval of a home occupation shall require a covenant and agreement, in compliance with Section 22.222.260 (Performance Guarantee and Covenant). 3. This Subsection K shall not modify the provisions for on-site display, signage, and sale in any Agricultural Zone of products lawfully produced on such lot.	
L. Drive-Through Establishments. No new drive-through facility or service shall be permitted. For purposes of this Subsection L, the term "new drive-through facility or service" does not include those facilities or services which, prior to the effective date of this Subsection L, July 6, 2018, were: (1) lawfully established, in compliance with all applicable ordinances and laws; or (2) approved by the final decision maker, as set forth in Chapter 22.222 (Administrative Procedures).	**Not applicable.** The Project does not include proposal of any new drive-through facility.

In summary, the Project will conform with the relevant development standards of the Acton CSD where feasible and will not conflict with the intent or implementation of the overlay district.

Conformity with the Santa Clara River Significant Ecological Area

While the BESS facility is not located within a designated Significant Ecological Area (SEA), the Project's gen-tie line route will traverse the Santa Clara River (SCR) SEA. As such, the Project is subject to the Los Angeles County SEA Ordinance (Title 22, Chapter 22.102), which is intended to ensure that development within SEAs avoids or minimizes impacts to sensitive biological resources and is consistent with conservation goals (County of Los Angeles 2024d).

Key applicable development standards identified in Chapter 22.102.090 and the Project's consistency with each are outlined below:

Table 3.6-3. Project Conformity with the Santa Clara River Significant Ecological Area

SEA Development Standards	Project Consistency
A. SEA Resource Categories. The following are disturbance thresholds and on-site natural open space preservation requirements organized by SEA Resource Category. SEA Resource preservation shall be provided on-site, in accordance with Section 22.102.100 (Natural Open Space Preservation) within this Chapter. 1. SEA Resource Category 1. No amount shall be disturbed. 2. SEA Resource Category 2. a. Disturbances shall not exceed 500 square feet and shall preserve at least two times the disturbed area of the same type of SEA Resource. b. Development shall not result in abandonment or failure of any den, burrow, roost, nest, or special habitat feature utilized by animals included in SEA Resource Category 2. 3. SEA Resource Category 3. a. Disturbances not exceeding 500 square feet shall preserve an amount equal to the disturbed area of the same type of SEA Resource. b. Disturbances that exceed 500 square feet shall preserve at least two times the disturbed area of the same type of SEA Resource. 4. SEA Resource Category 4. a. Disturbances that exceed 5,000 square feet shall preserve an amount equal to the disturbed area of the same type of SEA Resource. b. Disturbance of more than 10 individual rare plants in this category shall preserve an equal number of the same species of rare plants. **B. SEA Protected Trees.** 1. A minimum five-foot setback from the dripline or 15-foot setback from the trunk, whichever is greater, of a SEA Protected Tree shall be required. 2. Encroachment into no more than 10 percent of the protected zone of up to four SEA Protected Trees listed in the SEA Protected Tree List maintained by the Department may be permitted. 3. Removal of one SEA Protected Tree that is not designated as a Heritage Tree may be permitted. **C. Water Resources.** All development, inclusive of fuel modification/brush clearance, is subject to the following setbacks from a water resource per Table 22.102.090-A.	**Applicable and consistent.** As described in Section 3.2, the Project has been sited and designed to minimize disturbance to Significant Ecological Area (SEA) resources to the maximum extent practicable; however, the Project still exceeds the allowable impacts per the SEA Development Standards. As such, the Project would need a SEA Conditional Use Permit (Section 22.102.080) that would allow the Project to exceed the standards.
Protected Tree Permit A. Permit Required. A Protected Tree Permit shall be required for development that complies with Section 22.102.090 (SEA Development Standards) with the exception of Subsection SEA	**Applicable and consistent.** As described in Section 3.2, the Project has been sited and designed to minimize disturbance to SEA protected trees to the maximum extent

Table 3.6-3. Project Conformity with the Santa Clara River Significant Ecological Area

SEA Development Standards	Project Consistency
Protected Trees), and which includes any of the following impacts: 1. Pruning or trimming of branches of SEA Protected Trees in excess of two inches in diameter or 25 percent of live foliage for one or more trees; 2. Encroachments of up to 30 percent into a SEA Protected Tree's protected zone. Any encroachment of more than 30 percent into the protected zone of a tree shall be considered as a tree removal, as described in Subsection A.3 below; 3. Removal of up to two SEA Protected Trees that are not designated as Heritage Trees; or 4. Tree relocation poses significant risk to the health or survival rate of a tree. Any relocation of a SEA Protected Tree shall, therefore, be processed as a removal, as described in Subsection A.3 above. B. A SEA CUP shall be required per Section 22.102.080 (SEA Conditional Use Permit) for the following impacts: 1. Removal of more than two SEA Protected Trees; or 2. Removal of any SEA Protected Tree designated as a Heritage Tree. C. Application Materials. The following materials shall be submitted for the Protected Tree Permit: 1. Application materials for Type II Review in compliance with Chapter 22.228 (Type II Review - Discretionary); 2. Protected Tree Report prepared by an arborist or a resource specialist, which shall include the following: a. Associated tree survey map; b. Descriptions and locations of all existing SEA Protected Trees on the subject property and impacted SEA Protected Tree(s) adjacent to the subject property; c. Existing health and potential impacts of development of each SEA Protected Tree; d. Identification of all proposed SEA Protected Tree removals and encroachments; and e. Recommendations for avoiding, minimizing, and/or mitigating SEA Protected Tree impacts. 3. Oak tree species may require additional application materials, as stated in Chapter 22.174 (Oak Tree Permits). D. Burden of Proof. In addition to the materials required per Subsection 22.102.070.C (Application Materials), the application shall substantiate to the satisfaction of the Commission or Hearing Officer the following facts: 1. That any proposed construction will be accomplished without endangering the health of the remaining SEA Protected Tree(s), if any, on the property; and 2. That the removal or encroachment of the SEA Protected Tree(s) proposed will not result in soil erosion through the	practicable; however, the Project still exceeds the allowable impacts per the SEA Development Standards. As such, the Project would need a SEA Conditional Use Permit (Section 22.102.080) that would allow the Project to exceed the standards.

Table 3.6-3. Project Conformity with the Santa Clara River Significant Ecological Area

SEA Development Standards	Project Consistency
diversion or increased flow of surface waters that cannot be satisfactorily mitigated. E. Findings. A Protected Tree Permit may be approved only if the action proposed will not be contrary to, or be in substantial conflict with, the intent and purpose of the Protected Tree Permit procedures and the following findings are made: 1. That the proposed impacts to SEA Protected Tree(s) will be mitigated in compliance with Subsection 22.102.070.F (Mitigation); and 2. One or more of the findings below: a. That the required action is necessary to allow reasonable economic or other enjoyment of the property, and there is no other feasible design alternative that would avoid impact to the SEA Protected Tree(s); b. That the SEA Protected Tree(s) proposed for removal, encroachment, or pruning interferes with utility services or streets and highways, either within or outside of the subject property, and no reasonable alternative to such interference exists, other than removal of the SEA Protected Tree(s); or c. That the condition of the SEA Protected Tree(s) proposed for removal, encroachment, or pruning due to disease, danger, or falling is such that it cannot be remedied through reasonable preservation practices. F. Mitigation. 1.Mitigation Ratios. Impacts to SEA Protected Trees shall be mitigated per the mitigation ratios in Table 22.102.070-A	
D. Other Development Standards. 1. Wildlife-Impermeable Fencing, Wall, or Enclosure. Wildlife-impermeable fencing, walls, and enclosures shall be permitted within the building site area. One impermeable enclosure for the purpose of protecting livestock or companion animals shall be permitted within the development footprint. 2. Wildlife-Permeable Fencing. When needed to delineate lot boundaries or to section off development features, such as streets, trails, driveways, active recreation areas, or animals keeping structures, wildlife-permeable fencing shall be used outside of the building site area. Wildlife-permeable fencing shall be designed as follows: a. Fences shall be of an open design and made of materials visible to wildlife, such as wood rail, steel pipe, vinyl rail, PVC pipe, recycled plastic rail, or coated wire; b. The bottom edge of the lowest horizontal element shall be no closer than 18 inches from the ground; and c. Except where a different height is required per Title 21 or 22, the top edge of the topmost horizontal element shall be no higher than 42 inches from the ground.	**Applicable and consistent.** 1. Not applicable. No impermeable fencing or walls are planned within the SEA segment. 2. (a, b, c) Not applicable. The Project does not propose any fencing within the SEA segment (Section 2.0). 3. Not applicable. No fencing or signage is proposed within the SEA segment of the Project. No signage or hollow posts are planned in the SEA segment. 4. Not applicable. No windows are proposed within the SEA segment of the Project. 5. Not applicable. No lighting is proposed within the SEA. The Project's lighting is confined to the battery energy storage system (BESS) facility and substation, which is outside of the SEA and complies with Chapter 22.80, as detailed in Section 3.13. 6. Not applicable. The Project includes no habitable structures. 7. The Project's conceptual landscaping plan, which covers the BESS site only, can found in

Table 3.6-3. Project Conformity with the Santa Clara River Significant Ecological Area

SEA Development Standards	Project Consistency
3. Fencing Materials. Fencing shall be designed with materials not harmful to wildlife. Prohibited materials include, but are not limited to, spikes, glass, razor wire, and nets. All hollow fence and sign posts, or posts with top holes, such as metal pipes or sign posts with open bolt holes, shall be capped and the bolt holes filled to prevent the entrapment of bird species. 4. Window Reflectivity. All windows shall be comprised of non-glare/non-reflective glass or utilize methods to achieve non-reflectivity. 5. Outdoor Lighting. Outdoor lighting in all SEAs shall be provided in accordance with applicable provisions of Chapter 22.80 (Rural Outdoor Lighting District) and shall be directed to avoid light trespass upwards into the night sky and onto natural habitat areas. 6. Natural Open Space Buffer. Habitable structures shall be set back at least 200 feet from existing and proposed natural open space located within the project site lot(s) or natural open space recorded on adjacent lots, unless the Fire Department approves a modified distance specified in an approved fuel modification plan. 7. Landscaping and Fuel Modification. Landscape plans shall be submitted with an application for new development that include all cut and fill slopes, areas disturbed by the proposed construction activities, required fuel modification or brush clearance, and any proposed restoration area(s). a. All new development shall minimize removal of natural vegetation to minimize erosion and sedimentation, impacts to scenic resources, and impacts to biological resources. b. All cut and fill slopes and other areas disturbed by construction activities shall be landscaped or revegetated. c. Plantings within the building site area and Fuel Modification Zones A and B shall consist of a mix of locally indigenous, drought-tolerant plant species and non-invasive, drought-tolerant ornamental plants and gardens with associated irrigation. d. Fuel Modification Zone C shall consist of thinning the density of existing native vegetation. Should additional planting be needed in Zone C or outside of fuel modification areas, the plant palette shall consist entirely of locally indigenous, drought-tolerant plant species that blend with the existing natural vegetation and habitats on the site. e. All vegetative species utilized in landscaping shall be consistent with Fire Department requirements, and all efforts shall be made to conserve water. f. Plants listed on the Invasive Species list maintained by the Department shall be prohibited in all proposed landscaped and restoration areas. g. Tilling and discing shall be prohibited for fuel modification and brush clearance activities in all Fuel Modification Zones.	Section 2.0, Appendix 2B. No landscaping is proposed within the SEA; however, the Project will prepare and implement a Habitat Mitigation and Monitoring Plan to restore the temporarily impacted areas within the SEA (see Mitigation Measure (MM)-BIO-5 and MM-BIO-6 within Section 3.2 for additional details). (a) As described in Section 3.2, the Project has been sited and designed to minimize disturbance to SEA resources to the maximum extent practicable. Permanent gen-tie impacts will be limited to access roads and pole pads, with pole pad locations selected to avoid direct impacts to sensitive resources where feasible. Additionally, the gen-tie alignment has been designed to avoid occurrences of the sensitive short-joint beavertail cactus. Impacts to sensitive vegetation communities and special-status species will be mitigated through establishment of a conservation area and implementation of a Habitat Mitigation and Monitoring Plan (Section 3.2, MM-BIO-5 and MM-BIO-6). The Project will provide on-site SEA resource preservation consistent with Section 22.102.100 (Natural Open Space Preservation). (b) Disturbed areas, including cut and fill slopes, will be revegetated with native plants, and no invasive species will be used. (c, d, e, f, and g) The BESS facility site is located outside the SEA; therefore, the requirements do not apply. The Habitat Mitigation and Monitoring Plan to restore the temporarily impacted areas within the SEA will be designed to meet planting and fuel modification standards (see MM-BIO-5 and MM-BIO-6 within Section 3.2 for additional details). 8. As described in Section 3.2, the Project has been sited and designed to minimize disturbance to SEA resources to the maximum extent practicable. Permanent gen-tie impacts will be limited to access roads and pole pads, with pole pad locations selected to avoid direct impacts to sensitive resources where feasible.

Table 3.6-3. Project Conformity with the Santa Clara River Significant Ecological Area

SEA Development Standards	Project Consistency
8. Natural Open Space. Driveways, streets, roads, or highways shall not be placed within required natural open space areas.	
E. Land Use-Specific Development Standards. 1. Crops. a. Crops as an accessory use shall consist of non-invasive species and shall be located entirely within required Fuel Modification Zone B. b. Crops as a primary use shall consist of non-invasive species and shall be located entirely within SEA Resource Category 5. 2. Exploratory Testing. a. Permitted use. Exploratory testing as a primary or accessory use shall be permitted and shall comply with the following: i. Access for exploratory testing shall consist of existing roads, previously graded or disturbed areas, or use track-mounted drill rigs. ii. Vegetation removal activities shall be conducted in a manner that protects existing vegetative rootstock. iii. Any exploratory testing accessory to a primary use, where such primary use development is exempt from this Chapter per Section 22.102.040 (Exemptions), shall herein be exempt from this development standard. iv. A Restoration Plan shall be required at the time of application submittal. b. Exploratory Testing Stabilization. Within 90 days from completion of exploratory testing, areas of disturbance resulting from exploratory testing shall be stabilized with temporary erosion control measures and seeded with locally indigenous species to prevent erosion and instability. c. Exploratory Testing Restoration. Full restoration of areas of disturbances resulting from exploratory testing shall be conducted as follows: i. Where a subsequent project is withdrawn, denied, or determined to be infeasible, or exploratory testing areas are found to be unusable, restoration of the disturbed area shall commence within one year of withdrawal, denial, or determination of infeasibility. ii. Where a subsequent project is approved, the exploratory testing locations outside of the approved building site area shall be restored, with restoration commencing within one year of disturbance. iii. All required restoration shall be completed to the satisfaction of the Director. 3. Land Divisions. All land division projects shall be required to preserve at least 75 percent of the original undivided parcels as natural open space and shall not exceed a maximum development footprint of 25 percent of the original undivided parcels. Development areas shall be designed in one contiguous location and result in the largest, intact blocks of	Not applicable. 1. (a, b) Not applicable. Crops will not be utilized as an accessory or primary use. 2. (a, b, c) Not applicable. The Project does not involve exploratory testing. 3. Not applicable. The Project does not involve a land division; no subdivision of parcels is proposed.

Table 3.6-3. Project Conformity with the Santa Clara River Significant Ecological Area

SEA Development Standards	Project Consistency
habitat with the lowest perimeter to area ratio, to the maximum extent feasible. a. Large Lot Parcel Map. Large lot parcel maps for sale, lease, financing, or transfer purposes, shall demonstrate that all resulting parcels have reasonable potential for future development that meets Section 22.102.090 (SEA Development Standards), (e.g., adequate areas of SEA Resource Categories 4 and/or 5, setback from water resources, 75 percent open space, and clustered development) based on the original undivided parcels.	
F. SEA Conditional Use Permit A. Permit Required. A discretionary SEA CUP application shall be required for development that cannot demonstrate compliance with Section 22.102.070 (Protected Tree Permit), or Sections 22.102.090 (SEA Development Standards) and 22.102.100 (Natural Open Space Preservation). B. Application Materials. An application for a SEA CUP shall be filed and processed in compliance with Chapter 22.230 (Type III Review - Discretionary). 1. In addition to the application materials listed in Subsection 22.102.060.B (Application Materials), the applicant shall submit the following to the satisfaction of the Director in consultation with the County Biologist: a. Biological Constraints Analysis (BCA); b. Biota Report; and c. Additional materials and information that may be deemed necessary by the Director, County Biologist, or SEATAC to adequately evaluate the application. 2.The Director may waive one or more of the items in this Subsection B when deemed unnecessary to process the application. C. Additional Review. 1. Site Visit. Site visit(s) by the County Biologist may be deemed necessary by the Director to adequately evaluate the impacts to SEA Resources. 2. SEATAC Review. Prior to a public hearing, a SEA CUP application shall be required to undergo review by the SEATAC, unless waived by the Director. The scope of the SEATAC review shall be consistent with Section 22.102.150 (Significant Ecological Areas Technical Advisory Committee). 3. Director's Report. The Director shall provide the following analyses and recommendations as part of the public hearing staff report: a. Evaluation of the proposed development and impacts to SEA Resources; b. Evaluation of the SEA Resources contained within and adjacent to the project site;	Applicable and consistent. The SEA CUP from the Los Angeles County Department of Regional Planning will be superseded by CEC approval of the Project under the Opt-In Application program. SEA Resource Categories A Biota Report has been prepared to document the existing conditions of the Project within the SEA, an impacts and mitigation analysis, and the SEA Findings. Permanent gen-tie impacts will be limited to access roads and pole pads, with pole pad locations selected to avoid direct impacts to sensitive resources where feasible. Additionally, the gen-tie alignment has been designed to avoid occurrences of the sensitive short-joint beavertail cactus. Impacts to sensitive vegetation communities and special-status species will be mitigated through establishment of a conservation area and implementation of a Habitat Mitigation and Monitoring Plan (Section 3.2, MM-BIO-5 and MM-BIO-6). The Project will provide on-site SEA resource preservation consistent with Section 22.102.100 (Natural Open Space Preservation). 1. The Project's Gen-Tie Line will potentially impact SEA Resource Categories 1 through 3 in the form of special-status plants and wildlife, water resources, and vegetation communities; however, all such impacts are mitigated in accordance with the SEA ordinance and CEQA. 2. (a) Disturbances to Category 2 resources will not exceed 500 square feet in any single

Table 3.6-3. Project Conformity with the Santa Clara River Significant Ecological Area

SEA Development Standards	Project Consistency
c. Evaluation of the cumulative losses to the SEA Resources resulting from proposed and prior project development activity; d. Appraisal of measures proposed to avoid, mitigate, or protect the identified impacts to resources contained within the SEA; e. Evaluation of whether the project, as proposed, is consistent with Subsection 22.102.080.D (Findings); f. Recommended changes, if any, to the proposed development necessary or desirable to achieve compliance with Section 22.102.090 (SEA Development Standards) and consistent with Subsection 22.102.080.D (Findings), and relevant goals and policies of the General Plan; g. Recommended conditions, if any, to be imposed to ensure that the proposed development will be consistent with Subsection 22.102.080.D (Findings) and relevant goals and policies of the General Plan; h. SEATAC's determination of project compatibility and applicable recommendations; and i. Any relevant information as deemed necessary by the Director or County Biologist. D. Findings. The Commission or Hearing Officer shall approve an application for a SEA CUP, if the Commission or Hearing Officer finds that the application substantiates, in addition to those required by Section 22.158.050 (Findings and Decisions), the following findings: 1. The proposed development is highly compatible with the SEA Resources, including the preservation of natural open space areas and providing for the long-term maintenance of ecosystem functions; 2. The proposed development avoids or minimizes impacts to the SEA Resources and wildlife movement through one or more of the following: a. Avoiding habitat fragmentation; b. Minimizing edge effects; or c. Siting development in the least sensitive location. 3. Important habitat areas are adequately buffered from development by retaining sufficient natural vegetation cover and/or natural open spaces and integrating sensitive design features; 4. The proposed development maintains ecological and hydrological functions of water bodies, watercourses, and their tributaries; 5. The proposed development ensures that roads, access roads, driveways, and utilities do not conflict with Priority Biological Resources, habitat areas, migratory paths, or wildlife corridors; and	location without providing preservation of at least two times the disturbed area of the same resource type. Any unavoidable disturbance will be mitigated through the conservation area, preserving equivalent or better-quality habitat within the SEA. (b) The Project is not anticipated to result in abandonment or failure of any den, burrow, roost, nest, or other special habitat feature utilized by Category 2 animal species. Pre-construction surveys will be conducted to confirm absence or to establish protective buffers if active features are identified. 3. (a) For disturbances not exceeding 500 square feet, preservation will equal the disturbed area of the same resource type. (b) For disturbances exceeding 500 square feet, preservation will be at least two times the disturbed area of the same resource type. All required preservation will occur within the on-site conservation area in perpetuity, as specified in MM-BIO-5. 4. (a) For disturbances exceeding 5,000 square feet, preservation will equal the disturbed area of the same resource type, provided within the on-site conservation area. (b) Disturbance to more than 10 individual rare plants in this category will require preservation of an equal number of the same species. Any such plants occurring within the construction footprint will be salvaged and transplanted or otherwise mitigated consistent with MM-BIO-6. Protected Trees Applicable and consistent. 1. The Project has been designed to avoid direct encroachment into these setback zones to the extent feasible. 2. A Protected Tree Report has been prepared for the Project 2. The Project will avoid encroachment into the protected zones of SEA Protected Trees to the maximum extent practicable. Where minimal encroachment is unavoidable, such impacts will be limited to less than 10 percent of the protected zone and will be consistent with the allowances described. Protective

Table 3.6-3. Project Conformity with the Santa Clara River Significant Ecological Area

SEA Development Standards	Project Consistency
6. The proposed development promotes the resiliency of the SEA to the greatest extent possible. For purposes of this finding, SEA resiliency is not promoted when the proposed development may cause any of the following: a. Significant unmitigated loss of contiguity or connectivity of the SEA; b. Significant unmitigated impact to a Priority Biological Resource; c. Removal of habitat that is the only known location of a new or rediscovered species; and/or d. Other factors as identified by SEATAC.	fencing and biological monitoring will be implemented. 3. Based on the tree survey results, the Project will potentially impact 35 California juniper due to the construction of the gen-tie, however impacts are fully mitigated in accordance with the SEA ordinance. Mitigation details can be found in Section 3.2 MM-BIO-6, noting the planting of a minimum of 70 California Juniper. Water Resources The Project's Gen-Tie Line will potentially impact SEA Resource Category 1 (water resources); however, all impacts are mitigated in accordance with the SEA ordinance and CEQA. Section 3.2 notes potential impacts to jurisdictional waters due to construction activities. The Project's design positions the gen-tie within the SEA segment to maintain required setbacks wherever feasible. Any deviations from setbacks are mitigated to less-than-significant levels, as concluded in Sections 3.2 and 3.15, maintaining compliance with the SEA Ordinance. SEA Findings As stated in Section 3.2.2.2.5, the Project meets the findings of the SEA due its being sited to limit impact to sensitive SEA Resource Categories; limited construction footprint; minimal post-construction displacement of adjacent resources, and having a minimal effect on the contiguity or connectivity of the SEA.
G. Natural Open Space Preservation This Section sets forth the preservation and recordation requirements for natural open space when required by this Chapter, either in compliance with Section 22.102.090 (SEA Development Standards) or to offset impacts to SEA Resources through a SEA CUP. A. Natural Open Space Requirements. Development within a SEA shall preserve natural open space as follows: 1. Ministerial SEA Review. Provide on-site as required per Section 22.102.090 (SEA Development Standards); or	**Applicable and consistent.** Impacts to sensitive vegetation communities and special-status species will be mitigated through establishment of a conservation area and implementation of a Habitat Mitigation and Monitoring Plan (Section 3.2, MM-BIO-5 and MM-BIO-6). The Project will provide on-site SEA resource preservation that meets the preservation requirements for each impact SEA Resource Category, as well as the 75% preservation requirement.

Table 3.6-3. Project Conformity with the Santa Clara River Significant Ecological Area

SEA Development Standards	Project Consistency
2. SEA CUP. Provide on-site or off-site per Subsection D.2 (Natural Open Space Preservation Mechanisms), as approved by the Commission or Hearing Officer. a. For land division projects, at least 75 percent of the original undivided parcels shall be preserved as required natural open space. 3. Natural open space recordation shall occur prior to any grading, removal of vegetation, construction, or occupancy, consistent with State law conservation easement requirements. B. Natural Open Space Configuration. 1. Preserved natural open space shall be configured into one contiguous area, to the maximum extent feasible, unless the County Biologist determines that multiple, non-contiguous areas is the environmentally superior configuration. 2. Preserved natural open space areas shall be contiguous with other natural open space areas on adjoining lots, to the maximum extent feasible. 3. Driveways, streets, roads, or highways shall be prohibited in natural open space area(s), unless the Commission or Hearing Officer finds it necessary to ensure adequate circulation or access. Such driveways, streets, roads, or highways shall not be counted as a portion of the total required natural open space provided, and shall include any necessary wildlife crossings and/or other features necessary to avoid biological impacts. C. Natural Open Space Use. Preserved natural open space required by this Chapter shall be maintained in its natural undeveloped condition. There shall be no removal of trees, or vegetation, or other disturbance of natural features, with the following exceptions, as deemed appropriate by the Director prior to the disturbance: 1. Disease control and/or control of non-native plants; 2. Habitat restoration; 3. Paths constructed and maintained to minimize environmental impact to the area; 4. Wildlife-permeable fences constructed and maintained to minimize environmental impact to the area; 5. Fire protection, when determined by the County Biologist to be compatible with the SEA Resources being preserved; or 6. Activities to maintain a specific habitat condition, including animal grazing, when recommended by the County Biologist and accompanied by an approved management plan. D. Natural Open Space Preservation Mechanisms. 1. Ministerial SEA Review. Development that complies with Section 22.102.090 (SEA Development Standards) shall provide required natural open space preservation on-site	

Table 3.6-3. Project Conformity with the Santa Clara River Significant Ecological Area

SEA Development Standards	Project Consistency
through a permanent deed restriction or a covenant between the County and the property owner. 2. SEA CUP. Development not in compliance with Section 22.102.090 (SEA Development Standards) shall provide required natural open space preservation, within or contiguous with the same SEA, through one or more of the following, listed in the order of County preference: a. Dedication of land for the purpose of natural open space preservation to: i. An accredited land trust that meets the qualifications of non-profits requesting to hold mitigation land pursuant to Section 65965, et seq. of the California Government Code; or ii. A government entity, such as the County, State, or federal government, or a city, district, or joint powers authority for the purpose of natural open space preservation; b. Conservation or mitigation bank; c. A conservation easement recorded with the Registrar-Recorder/County Clerk as an irrevocable offer to dedicate, or equivalent instrument that requires the natural open space to remain in perpetuity and extinguishes all future development rights; d. Permanent on-site deed restriction; e. Covenant between County and property owner; or f. Conservation in-lieu fees.	

In summary, the Project will conform with the relevant development standards within the designated SEA. While complete avoidance of impacts to SEA resources is not feasible, impacts will be minimized through siting, limiting permanent disturbance areas, and avoiding sensitive species. Unavoidable impacts to sensitive vegetation communities and special-status species will be mitigated through the establishment of an on-site conservation area, restoration of temporarily disturbed areas, and implementation of the Habitat Mitigation and Monitoring Plan (MM-BIO-5 and MM-BIO-6) to ensure long-term preservation and management of SEA resources. Additional discussion of the SCR SEA can be found in Section 3.2.2.2.5.

Conformity with Department of Defense Military Influence Areas

The Los Angeles County General Plan shows the Project site being located within a military influence area, specifically within a Military Operation Area – Floor Elevation from Ground Level – 1,000 to 2,000 Feet (County of Los Angeles 2024b). A Military Operation Area is defined as a three-dimensional airspace designated for military training and transport activities that have a defined floor (minimum altitude) and ceiling (maximum altitude). Within Los Angeles County, there are several Military Operation Areas used by military aircraft to practice high- and low-altitude training exercises and to travel between military installations.

To understand potential constraints, the applicant contacted the Military Aviation and Installation Assurance Siting Clearinghouse. The Military Aviation and Installation Assurance Siting Clearinghouse responded to the Applicant

noting that they coordinated within the Department of Defense to conduct an informal review of the Project. The results of the review indicated that the energy storage project as proposed will have minimal impact on military operations conducted in the area (see Appendix 3.6A for correspondence). Further review will be required as part of the Federal Aviation Administration's (FAA) Obstruction Evaluation Airport Airspace Analysis (OE/AAA) process, more commonly referred to as Title 14 of the Code of Federal Regulations (CFR) Part 77, for the Project's gen-tie line structures and construction equipment that are greater than 200 feet in height. In general, based on FAA requirements, any temporary or permanent structure, including all appurtenances, that exceeds an overall height of 200 feet, or exceeds any obstruction standard contained in 14 CFR Part 77, should be marked and/or lighted. The last two structures of the gen-tie line heading into the Vincent substation are expected to be over 200 feet tall and will be lighted in accordance with FAA requirements.

Entitlement History

No permits or entitlement requests for the Project have been submitted outside of this Opt-In Application.

Based on the above analysis, implementation of the Project will not conflict with an applicable land use plan, policy, or regulation. Therefore, impacts will be **less than significant**.

3.6.2.3.3 Will the Project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use, excepting those lands that would be expected to be converted or retired even without the project due to insufficient water resources for continued commercial agriculture, land subsidence due to historic groundwater over-pumping, soil contamination due to inadequate drainage, or the local weather effects of climate change?

No Impact. The California Department of Conservation classifies and maps land throughout the state by its Farmland Mapping and Monitoring Program (California Department of Conservation 2025a). The classification system combines technical soil ratings and current land use that is the basis for the mapping of important farmlands. The seven categories of land are Prime Farmland, Farmland of Statewide Importance, Unique Farmland, Farmland of Local Importance, Grazing, Urban and Built Up, and Other, as defined in Section 3.6.5.3, Local, below.

The Farmland Mapping and Monitoring Program designations for the Project site and a 1-mile buffer surrounding the Project site are shown in Figure 3.6-5. The BESS facility and gen-tie line are sited on lands categorized as Other Land (California Department of Conservation 2025a, 2025b). Other Land, as defined in the Farmland Mapping and Monitoring Program, is land not included in any other mapping category. Common examples include low-density rural developments; brush, timber, wetland, and riparian areas not suitable for livestock grazing; confined livestock, poultry, or aquaculture facilities; strip mines and borrow pits; and water bodies smaller than 40 acres. Vacant and nonagricultural land surrounded on all sides by urban development and greater than 40 acres is mapped as Other Land. This category of land is not constituted as "agricultural land" for environmental review purposes under CEQA (California Public Resources Code [PRC] Section 21060.1).

The Project will have no direct, indirect, cumulative, short-term, or long-term significant impacts to surrounding parcels in the vicinity of the Project site that are also mapped as Other Land. As such, the Project will have **no impact.**

3.6.2.3.4 Will the Project conflict with existing zoning for agricultural use, or a Williamson Act Contract?

No Impact. The BESS facility site and gen-tie line corridors are not under any Williamson Act contract (California Department of Conservation 2025c), and there are no active agricultural operations occurring on site. Furthermore, the Project site and surrounding lands are designated as Other Land per the Department of Conservation Farmland Mapping and Monitoring Program. For environmental review purposes under CEQA, the Other Land category is not constituted as "agricultural land" (PRC Section 21060.1). As such, the Project will have **no impact.**

3.6.2.3.5 Will the Project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?

No Impact. The Project site is zoned as Light and Heavy Agriculture (A-1 and A-2). As discussed above, BESS is not explicitly defined in the County's Zoning Code; rather, they are treated similarly to electrical distribution systems. The County issued a memorandum regarding BESSs, which, in the context of land use, specifically defines BESS as an energy storage device that is considered most similar to an electrical distribution substation, and further permits this land use in Agricultural zones with either a Site Plan Review or a Conditional Use Permit (County of Los Angeles 2021). The proposed Project is compatible with the development character of the area; the existing SCE Vincent Substation is 1 mile northeast of the Project site, and the BESS facility site is between two transportation corridors: State Route 14 to the north, and Southern Pacific Rail lines and Carson Mesa Road to the south. AB 205 encourages the development of new clean energy projects meeting set criteria. The proposed Project aligns with these criteria. At the end of the facility's useful life, the Project will undergo decommissioning in accordance with then-applicable LORS. As part of the decommissioning activities, all site improvements that are no longer in use and cannot be repurposed will be removed from the Project site, and the lands will be restored to a substantially similar condition in which they currently exist. As such, the Project will have **no impact.**

3.6.3 Cumulative Impacts

A cumulative impact refers to a proposed Project's incremental effect together with other closely related past, present, and reasonably foreseeable future projects whose impacts may compound or increase the incremental effect of the proposed Project (PRC Section 21083; CCR, Title 14, Sections 15064[h], 15065[c], 15130, and 15355). The CEQA Guidelines further note that the cumulative impact from several projects is the change in the environment that results from the incremental impact of a project when added to other closely related past, present, and reasonably foreseeable probable future projects. Cumulative effects can result from individually minor, but collectively significant, projects taking place over a period of time (CCR Section 15355).

Cumulative land use impacts could occur if development of the Project and other related past, present, and reasonably foreseeable probable future projects would be inconsistent with applicable plans and policies or have other cumulative land-use-related impacts, such as the conversion of farmland. The Project is consistent with land use plans and policies, and is compatible with adjacent uses. Therefore, the Project will not contribute to cumulative impacts associated with land use compatibility. Moreover, there are no past, present, or reasonably foreseeable

future projects proposed within the study area that will result in adjacent incompatible land uses (see Chapter 3, Environmental Analysis, for a list of cumulative projects).

Long-term cumulative impacts related to land use are not anticipated with implementation of the Project and the listed projects because each project is required to comply with the CEQA Guidelines requirements for evaluating potential cumulative impacts and/or obtain approval from the lead agency prior to permitting and construction by demonstrating conformance to existing land use policies. For these reasons, the Project will not cause a significant cumulative land use impact.

3.6.4 Mitigation Measures

Because the Project design will avoid or minimize potentially significant effects and will thereby not cause any significant adverse impacts to land use and land use plans, no mitigation measures beyond the Project's design are necessary.

3.6.5 Laws, Ordinances, Regulations, and Standards

This section lists and discusses the land use LORS that apply to the Project. The Project, including all its Project components, is entirely within the County of Los Angeles, Antelope Valley Area Plan. Table 3.6-42 lists the potentially applicable federal, state and local plans and policies.

Table 3.6-42. Laws, Ordinances, Regulations, and Standards Applicable to Land Use

Jurisdiction	LORS	Applicability	Project Conformity	Opt-In Application Reference
Federal	Title 14 of the Code of Federal Regulations (CFR) Part 77	Any person or an agent who intends to sponsor construction is required to submit notice to the FAA if the proposed construction or alteration meets notice requirements.	**Yes**. The Project will file notice under Section 77.9 for gen-tie line structures that are over 200 feet tall, as required. The FAA's notice criteria tool has been used to determine which gen-tie line structures require notice.	Section 3.6.2.3.2 Section 3.6.5.1
Federal	49 U.S. Code Section 44718 – Structures interfering with air commerce or national security	Notice is required when a project may obstruct (1) safety in air commerce; (2) the efficient use and preservation of the navigable airspace and of airport traffic capacity at public-use airports; or (3) the interests of national security, as determined by the Secretary of Defense.	**Yes**. The Project will comply. Initial outreach with the Military Aviation and Installation Assurance Siting Clearinghouse and results of their review indicate that the Project will have minimal impact on military operations conducted in the area (Appendix 3.6A). Additional coordination will occur as part of the FAA's Section 77.9.	Section 3.6.2.3.2 Section 3.6.5.1

Table 3.6-42. Laws, Ordinances, Regulations, and Standards Applicable to Land Use

Jurisdiction	LORS	Applicability	Project Conformity	Opt-In Application Reference
State	Assembly Bill 205	Legislation that created and gives statutory authority to the CEC.	**Yes.** As part of the Opt-In Application process, the CEC will review the Project for consistency with Los Angeles County's land use plans, policies, and regulations.	Throughout this Opt-In Application
State	California Land Conservation Act of 1965 (Williamson Act)	Preserves agricultural land and encourages open space. preservation and efficient urban growth.	**Yes**. The BESS facility site and gen-tie corridors are not under any Williamson Act contract. Furthermore, the Project site and surrounding lands are designated as Other Land per the Department of Conservation Farmland Mapping and Monitoring Program. For environmental review purposes under CEQA, the Other Land category is not constituted as "agricultural land" (California Public Resources Code Section 21060.1).	Section 3.6.2.3.4 Section 3.6.2.3.5 Section 3.6.5.2
State	CEQA	Requires state and local government agencies to inform decision makers and the public about the potential environmental impacts of the Project and to reduce environmental impacts to the extent feasible.	**Yes.** Per the CEC's certified regulatory program and the AB 205 Opt-In Application process.	Throughout this Opt-In Application
Local	Los Angeles County General Plan / Antelope Valley Area Plan	A document that provides a comprehensive policy framework guiding the long-term physical development and conservation of the unincorporated areas of Los Angeles County. The plan includes elements such as land use, mobility, air quality, conservation, parks and recreation, noise, safety, public services,	**Yes**. As part of the Opt-In Application process, the CEC will review the Project for consistency with the County's land use plans, policies, and regulations. AB 205 expanded the CEC's authority under the Warren-Alquist Act to establish a new certification program for eligible non-fossil-fueled power plants using emergency rulemaking authority provided by AB 205. As part of the Opt-In Application process	Section 3.6.2.3.2 Table 3.6-1 Section 3.6.5.3

Table 3.6-~~42~~. Laws, Ordinances, Regulations, and Standards Applicable to Land Use

Jurisdiction	LORS	Applicability	Project Conformity	Opt-In Application Reference
		and economic development.	established under AB 205, the CEC will determine whether the Project will conflict with the County's land use and zoning policies.	
Local	Los Angeles County Municipal Code, Title 22 Planning and Zoning	Establishes regulations and standards for land use and development in the unincorporated areas of Los Angeles County. It includes Countywide provisions that apply to all areas, such as general rules, zoning classifications, and development standards.	**Yes.** BESSs are not expressly defined in the County's Zoning Code. However, the County issued a memorandum dated October 18, 2021, regarding BESSs, which, in the context of land use, specifically defines a BESS as an energy storage device that is considered most like an electrical distribution substation, and further permits this land use in Agricultural zones with either a Site Plan Review or a Conditional Use Permit. The Project will conform to the applicable development standards.	Section 3.6.2.3.2 Section 3.6.2.3.4 Section 3.6.5.3
Local	Los Angeles County Municipal Code, Title 22, Chapter 22.302 – Acton Community Standards District	Applies to all development within the Acton CSD. Establishes supplemental design, grading, fencing, lighting, and landscaping standards.	**Yes.** Project design, grading, building finishes, lighting, and landscaping comply with Acton CSD standards.	Section 3.6.2.3 Section 3.6.5.3
Local	Los Angeles Municipal County Code, Title 22, Chapter 22.102 – Significant Ecological Areas Ordinance	Applies to the Project gen-tie line within the Santa Clara River SEA. Requires avoidance of sensitive resources and protection of habitat connectivity.	**Yes.** Gen-tie route is sited to avoid sensitive resources and maintain connectivity. Tree protection and BMPs to be implemented per SEA standards.	Section 3.6.2.3 Section 3.6.5.3

Table 3.6-~~42~~. Laws, Ordinances, Regulations, and Standards Applicable to Land Use

Jurisdiction	LORS	Applicability	Project Conformity	Opt-In Application Reference
Local	Los Angeles County Proposed Renewable Energy Ordinance Update	TBD	As these updates are still very early in the process, it cannot be determined as to how they may affect the County's processes.	Section 3.6.5.3

Notes: AB = Assembly Bill; BESS = battery energy storage system; CEC = California Energy Commission; CEQA = California Environmental Quality Act; County = County of Los Angeles; CSD = Community Standards District; FAA = Federal Aviation Administration; LORS = laws, ordinances, regulations, and standards; SEA = Significant Ecological Areas; BMP = best management practice; TBD = to be determined.

3.6.5.1 Federal

Title 14 CFR Part 77 - Safe, Efficient Use, and Preservation of the Navigable Airspace

The FAA regulates aviation at regional, public, and private airports. The FAA regulates objects affecting navigable airspace. According to 14 CFR 77.9, any person/organization who intends to sponsor construction or alterations must notify the Administrator of the FAA about the following:

- Any construction or alteration exceeding 200 feet above ground level.
- Any construction or alteration:
  - Within 20,000 feet of a public use or military airport which exceeds a 100:1 surface from any point on the runway where the longest airport runway exceeds 3,200 feet in actual length.
  - Within 10,000 feet of a public use or military airport which exceeds a 50:1 surface from any point on the runway where the longest airport runway is less than 3,200 feet in actual length.
  - Within 5,000 feet of a public use heliport which exceeds a 25:1 surface.
- Any highway, railroad, or other traverse way whose prescribed adjusted height would exceed the above standards.
- When requested by the FAA.
- Any construction or alteration located on a public use airport or heliport regardless of height or location.

Failure to comply with the provisions of Federal Aviation Regulation Part 77 is subject to civil penalty under Section 902 of the Federal Aviation Act of 1958, as amended, and pursuant to 49 United States Code Section 46301(a).

As discussed in this Application and in this section, the Project complies with these requirements. The Project will file notice under FAA's Section 77.9 for gen-tie line structures that are over 200 feet tall, as required. The FAA's notice criteria tool was used to determine which gen-tie line structures require notice.

49 U.S. Code Section 44718 - Structures Interfering with Air Commerce or National Security

The Secretary of Transportation requires a person to give adequate public notice, in the form and way the Secretary prescribes, of the construction, alteration, establishment, or expansion, or the proposed construction, alteration, establishment, or expansion, of a structure or sanitary landfill when the notice will promote:

- safety in air commerce;
- the efficient use and preservation of the navigable airspace and of airport traffic capacity at public-use airports; or
- the interests of national security, as determined by the Secretary of Defense.

Under regulations prescribed by the Secretary, if the Secretary decides that constructing or altering a structure may result in an obstruction of the navigable airspace, an interference with air or space navigation facilities and equipment or the navigable airspace, or, after consultation with the Secretary of Defense, an adverse impact on military operations and readiness, the Secretary of Transportation shall conduct an aeronautical study to decide the extent of any adverse impact on the safe and efficient use of the airspace, facilities, or equipment. As discussed in this Application and in this section, the Project complies with these requirements.

The Project will comply. Initial outreach with the Military Aviation and Installation Assurance Siting Clearinghouse and results of their review indicate that the Project will have minimal impact on military operations conducted in the area (Appendix 3.6A). Additional coordination will occur as part of the FAA's Section 77.9.

3.6.5.2 State

Assembly Bill 205

Governor Gavin Newsom signed AB 205 into law on June 30, 2022. This legislative effort significantly expands the CEC's jurisdiction and encourages the development of new clean energy projects. In short, AB 205 allows developers to opt in to a new streamlined environmental review and authorization process for certain solar, wind, and other qualifying clean energy projects under exclusive state jurisdiction. The law also provides new funding for qualifying generation and energy storage facilities. Before AB 205, the CEC's siting authority was limited to thermal power plants with capacities of 50 MW or more. AB 205 expands CEC's siting authority to include non-thermal generating facilities, and establishes a new siting certification process for the following eligible facilities:

- Solar photovoltaic (PV) and onshore wind generating facilities with capacities of 50 MW or more.
- Energy storage facilities capable of storing at least 200 megawatt hours (MWh) of energy.
- A stationary electrical generating powerplant using any source of thermal energy, with a generating capacity of 50 MW or more, excluding any powerplant that burns, uses, or relies on fossil or nuclear fuels.
- Facilities for the manufacture, production, or assembly of energy storage systems, wind systems, solar PV systems, or the components of those systems if the developer certifies the project will require a capital investment of $250 million over a period of 5 years.
- Transmission lines from the above-mentioned generating or storage facilities to the first point of interconnection.
- TA hydrogen production facility and associated on-site storage and processing facilities that do not derive hydrogen from a fossil fuel feedstock and that receive funding from specified sources.

AB 205 gives CEC exclusive siting authority over these eligible projects if a developer submits an application to CEC under this certification process instead of an application for entitlements from the jurisdiction in which the project is located. CEC's siting certification is in lieu of any permit, certificate, or similar document required by any state, local, or regional agency, or federal agency to the extent permitted by federal law. It also supersedes any applicable statute, ordinance, or regulation of any state, local, or regional agency, or federal agency to the extent permitted by federal law, with limited exceptions. AB 205 specifically provides that the certification does not supersede the authority of an exclusive list of agencies: the California State Lands Commission, the California Coastal Commission, the San Francisco Bay Conservation and Development Commission, the California State Water Resources Control Board or the applicable regional water quality control boards, local air quality management districts, or the California Department of Toxic Substances Control.

As part of the Opt-In Application process, the CEC will review the Project for consistency with the County's land use plans, policies, and regulations.

California Department of Conservation Farmland Mapping and Monitoring Program

The California Department of Conservation developed categorical definitions of important farmlands for land inventory purposes, which are applied within the Farmland Mapping and Monitoring Program. Important farmlands provide the best opportunity for agricultural production. The following are the Important Farmland categories (California Department of Conservation 2025a):

- **Prime Farmland:** Farmland with the best combination of physical and chemical features able to sustain long term agricultural production. This land has the soil quality, growing season, and moisture supply needed to produce sustained high yields. Land must have been used for irrigated agricultural production at some time during the 4 years prior to the mapping date.
- **Farmland of Statewide Importance:** Farmland similar to Prime Farmland but with minor shortcomings, such as greater slopes or less ability to store soil moisture. Land must have been used for irrigated agricultural production at some time during the 4 years prior to the mapping date.
- **Farmland of Local Importance:** Land of importance to the local agricultural economy as determined by each county's board of supervisors and local advisory committee. In some counties, Confined Animal Agriculture facilities are part of the Farmland of Local Importance, but are shown separately
- **Confined Animal Agriculture:** Lands used for confined animal agricultural facilities, including but not limited to dairies, feedlots, poultry facilities, and fish farms. Although these uses do not qualify for the major agricultural categories, some counties include them in their Farmland of Local Importance definitions.
- **Unique Farmland:** Farmland of lesser quality soils used for the production of the state's leading agricultural crops. This land is usually irrigated but may include non-irrigated orchards or vineyards as found in some climatic zones in California. Land must have been cropped at some time during the 4 years prior to the mapping date.
- **Grazing Land:** Land on which the existing vegetation is suited to the grazing of livestock.
- **Urban and Build-up Land:** Land occupied by structures with a building density of at least 1 unit to 1.5 acres, or approximately 6 structures to a 10-acre parcel. This land is used for residential, industrial, commercial, and other developed purposes.
- **Other Land:** Land not included in any other mapping category, Common examples include low-density rural developments; brush, timber, wetland, and riparian areas not suitable for livestock grazing or confined

livestock. Additionally, vacant and nonagricultural land surrounded on all sides by urban development and greater than 40 acres is mapped as Other Land.

The Project site and surrounding lands are designated as Other Land per the Department of Conservation Farmland Mapping and Monitoring Program. For environmental review purposes under CEQA, the Other Land category is not constituted as "agricultural land" (PRC Section 21060.1).

California Land Conservation Act of 1965 (Williamson Act)

The California Land Conservation Act, better known as the Williamson Act, has been the state's primary agricultural land protection program since its enactment in 1965. More than 16 million of the state's 30 million acres of farm and ranch land are currently protected under the Williamson Act. The Williamson Act creates an arrangement, whereby private landowners agree with counties and cities to voluntarily restrict land in designated Agricultural Preserve areas to agricultural, recreational and open-space uses, and compatible uses. In return, the landowner receives property tax assessments that are lower than normal because the assessments are based on the restricted uses rather than full market value. Local governments receive an annual subvention of forgone property tax revenues from the state via the Open Space Subvention Act of 1971. Williamson Act contracts automatically renew each year for a new 10-year period, unless either party files a "notice of non-renewal" to terminate the contract before the end of the current 10-year period. During the ensuing 10-year non-renewal period following a "notice of non-renewal," property taxes are gradually raised to the applicable level for developable land.

The Williamson Act also authorizes cities and counties to establish Farmland Security Zones within existing Agricultural Preserves, and to enter into Farmland Security Zone contracts with a minimum initial term of 20 years, and annual renewal similar to a Williamson Act contract. To be eligible for a Farmland Security Zone contract, the subject land must be designated on the Important Farmland Series maps as predominantly prime farmland, farmland of statewide importance, unique farmland, or farmland of local importance.

The BESS facility site and gen-tie corridors are not under any Williamson Act contract (California Department of Conservation 2025c).

3.6.5.3 Local

Los Angeles County General Plan

The Los Angeles County General Plan outlines the policy framework for the growth and development of the unincorporated areas of the County through the year 2035. It aims to accommodate new housing and job opportunities while celebrating the County's cultural diversity, natural resources, and economic significance. The plan emphasizes sustainable development, discourages urban sprawl, and promotes infill development near transit and existing infrastructure. It also includes goals and policies to foster healthy, livable, and resilient communities by ensuring adequate services and infrastructure. Key elements of the general plan include land use, mobility, air quality, conservation and natural resources, parks and recreation, noise, safety, public services and facilities, economic development, and housing. These focus areas collectively aim to create a balanced, sustainable and resilient future for the County (County of Los Angeles 2025ba).

Antelope Valley Area Plan

The Project has a land use designation under the Antelope Valley Area Plan of Rural Land (RL-2 and RL-5), which are defined as follows (County of Los Angeles 2015):

> Per Table L-1 of the Antelope Valley Area Plan, the purpose of Rural Land (RL-2 and RL-5) is to serve as single-family residences; equestrian and limited animal uses; and limited agricultural and related activities. Rural Land (RL-2) has a maximum density of 1 residential unit for each 2 gross acres of land, and Rural Land (RL-5) has a maximum density of 1 residential unit for each 5 gross acres of land. The maximum building intensity for non-residential buildings shall be 0.5 FAR (floor area ration). The Rural Land designations are intended to reflect the existing densities within various parts of the rural town area, and are not intended to promote further land divisions.

Relevant goals and policies of the Antelope Valley Area Plan are identified in Table 3.6-1.

As part of the Opt-In Application process, the CEC will review the Project for consistency with the County's land use plans, policies, and regulations. AB 205 expanded the CEC's authority under the Warren-Alquist Act to establish a new certification program for eligible non-fossil-fueled power plants using emergency rulemaking authority provided by AB 205. As part of the Opt-In Application process established under AB 205, the CEC will determine whether the Project will conflict with the County's land use and zoning policies.

Los Angeles County Municipal Code, Title 22, Planning and Zoning

Title 22, Division 3 – Zones, of the Los Angeles County Code of Ordinances further refines the County's General Plan and provides additional detail pertaining to allowed and conditional uses and specific development standards for the various zoning districts. Chapter 22.16 – Agricultural, Open Space, Resort and Recreation, and Watershed Zones covers the zoning requirements specific to the Project site. Chapter 22.170 – Lot Line Adjustments provides a process to adjust the lot line between two or more existing adjacent lots, where the land taken from one lot is added to an adjacent lot and where a greater number of lots than originally existed are not thereby created.

A BESS is not expressly defined in the County's Zoning Code. However, the County issued a memorandum regarding BESSs that, in the context of land use, specifically defines a BESS as an energy storage device that is considered most like an electrical distribution substation, and further permits this land use in Agricultural zones with either a Site Plan Review or a Conditional Use Permit (County of Los Angeles 2021). The Project will conform to the applicable development standards.

The Project site is also subject to the provisions of Chapter 22.302 – Acton CSD, which includes additional design, lighting, grading, and landscaping standards tailored to the Acton area. The Project has incorporated these requirements into the site design to ensure compliance.

In addition, a portion of the gen-tie line traverses the SCR SEA and is therefore subject to Chapter 22.102, SEA Ordinance. The Project is designed to avoid and minimize impacts to sensitive habitats, maintain wildlife movement corridors, and comply with protected tree and stormwater protection standards identified in the ordinance.

Los Angeles County Proposed Renewable Energy Ordinance Update

It should be noted that the Los Angeles County Board of Supervisors (BOS) has issued two motions that are relevant to the BESS and transmission line components of proposed projects. In December 2023, the BOS issued a motion

to develop a permitting structure and development standards for BESS (https://file.lacounty.gov/SDSInter/bos/supdocs/186943.pdf). In April 2024, the BOS issued a motion to update the Los Angeles County Renewable Energy Ordinance (REO) to identify renewable energy development zones and to incorporate best practices and development standards for renewable energy project development (https://file.lacounty.gov/SDSInter/bos/supdocs/190264.pdf).

As a result of these two Los Angeles County BOS motions, the Los Angeles County Department of Regional Planning (LA County Planning) is currently in the process of updating its 2016 REO and is anticipating the start of the environmental review process for the REO Update in Fall 2025. As part of the REO Update process, LA County Planning has been hosting public outreach meetings to solicit input on various renewable energy technologies and BESS. On June 17, 2025, LA County Planning hosted a community meeting to discuss siting considerations for BESS technologies.

These updates are still very early in the process, and no changes have been enacted to date. It cannot be speculated as to whether any such future changes will be enacted or how those future enactments might affect the County's processes.

3.6.6 Agencies and Agency Contacts

Applicable permits and agency contacts for land use issues are shown in Table 3.6-5~~3~~. Land use approval permits (i.e., Conditional Use Permit) from the Los Angeles County Department of Regional Planning will be superseded by CEC approval of the Project under the Opt-In Application program.

Table 3.6-5~~3~~. Permits and Agency Contacts

Permit or Approval	Agency Contact	Applicability
Federal Aviation Administration's Obstruction Evaluation Airport Airspace Analysis (OE/AAA) process, Title 14 of the Code of Federal Regulations Part 77	Dan Shoemaker, Western OE Team Manager Federal Aviation Administration Southwest Regional Office Obstruction Evaluation Group 10101 Hillwood Parkway Fort Worth, Texas 76177 206.231.2989 OEGroup@faa.gov	The Project will file notice under Section 77.9 for gen-tie line structures that are over 200 feet tall, as required.
49 United States Code Section 44718, Structures interfering with air commerce or national security,	Robbin Beard, Deputy Director Military Aviation and Installation Assurance Siting Clearinghouse Department of Defense, Office of the Assistant Secretary of Defense 3400 Defense Pentagon Washington DC 20301-3400 (no phone number provided) robbin.e.beard.civ@mail.mil	An informal review was conducted by the Military Aviation and Installation Assurance Siting Clearinghouse. The results of the review indicated that the Project, will have minimal impact on military operations conducted in the area. Further review will be required as part of the FAA's Obstruction Evaluation Airport Airspace Analysis (OE/AAA) process.
Site Certification for Opt-In Project (with environmental review	California Energy Commission Siting, Transmission and Environmental Protection Division	Land use entitlement.

Table 3.6-~~53~~. Permits and Agency Contacts

Permit or Approval	Agency Contact	Applicability
under CEQA and Assembly Bill 52 Tribal Consultation)	Ann Crisp, Senior Environmental Planner 715 P Street, MS-40 Sacramento, California 95814 916.352.0543 STEPsiting@energy.ca.gov	
Lot Line Adjustment	Samuel Dea, North County Development Services Section Head Los Angeles County Department of Regional Planning, Current Planning 320 West Temple Street Los Angeles, California 90012 213.974.6411 sdea@planning.lacounty.gov	If applicable, the applicant could combine the BESS facility site parcels so that the proposed Project, excluding linears and temporary laydown or staging area, will be on a single legal parcel.
Franchise Agreement	Mark Pestrella, Director Los Angeles County Public Works Department 900 S. Fremont Avenue Alhambra, California 91803 ~~626.458.5100~~626.458.4001 mpestrella@pw.lacounty.gov	For Project components (collection lines and water line) that will be underground within Soledad Canyon Road and Carson Mesa Road.
Franchise Agreement	Diane Dominguez, Director Real Estate Asset Management Los Angeles County Metropolitan Transportation Authority One Gateway Plaza Los Angeles, California 90012-2952 ~~213.922.6000~~213.922.5253 dominguezd@metro.net	For Project components (gen-tie and fiber-optic lines) that will cross above and be underneath the railroad tracks.
N/A*	Samuel Dea, North County Development Services Section Head Los Angeles County Department of Regional Planning, Current Planning 320 West Temple Street Los Angeles, California 90012 213.974.6411 sdea@planning.lacounty.gov	Local LORS consultation.

Notes: BESS = battery energy storage system; CEQA = California Environmental Quality Act; FAA = Federal Aviation Administration; LORS = laws, ordinances, regulations, and standards

* Not applicable. Local approvals will be superseded by California Energy Commission approval of the Project under the Opt-In Program.

3.6.7 Permits and Permit Schedule

Because of the exclusive jurisdiction of the CEC, no land use permits are required for the Project.

Lot line adjustment or merger may not be appropriate or feasible because the parcels under site control do not have a common owner. If required, a lot line adjustment application will be filed with the Los Angeles County Department of Regional Planning. Los Angeles County Municipal Code Section 22.170.010 provides a process to adjust the lot line between two or more existing adjacent lots, where the land taken from one lot is added to an

adjacent lot and where a greater number of lots than originally existed are not thereby created. A Lot Line Adjustment in Los Angeles County is a Type I Review where the application is filed and processed in compliance with Chapter 22.226 (Type I Review—Ministerial).

3.6.8 References

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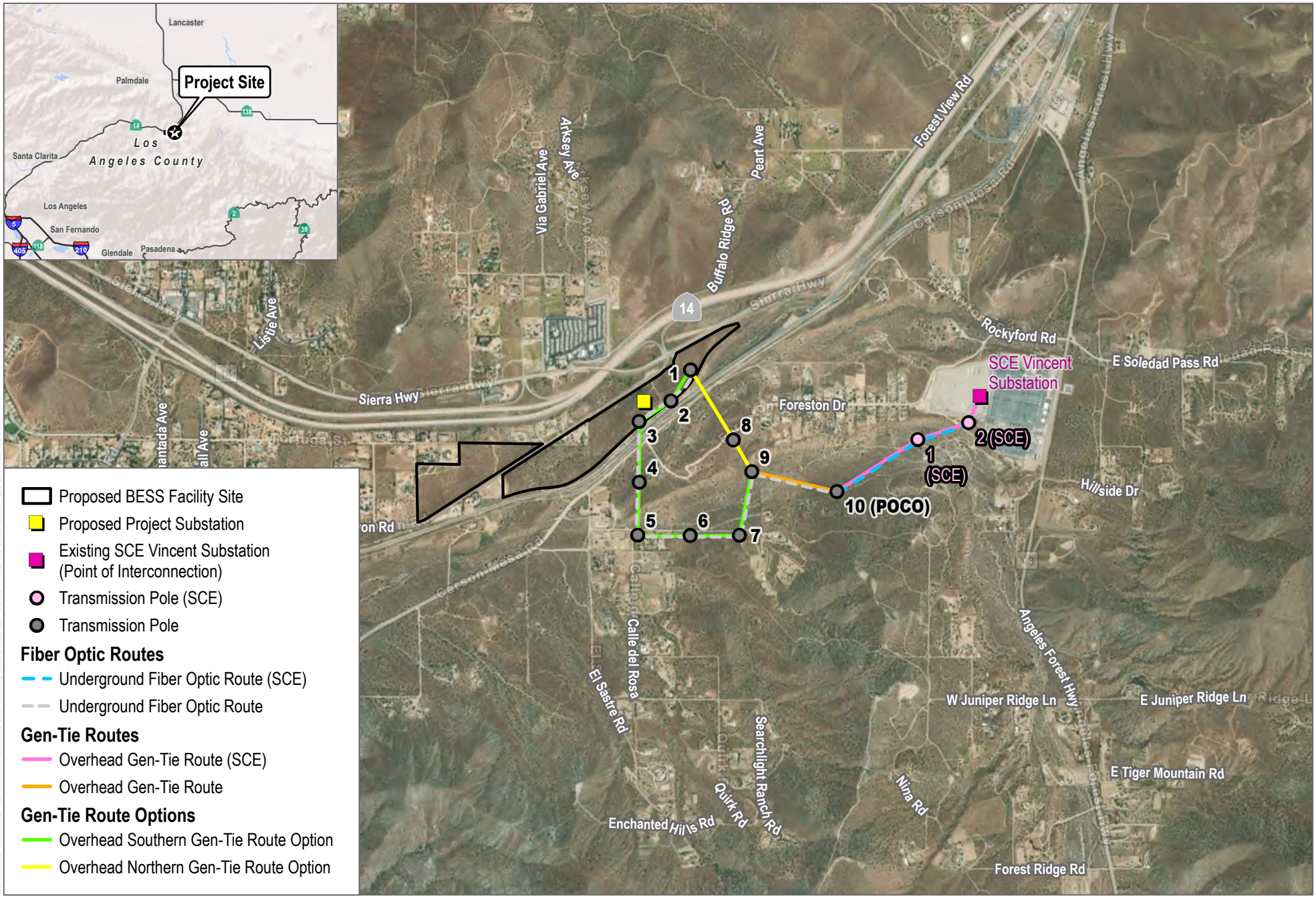

SOURCE: World Imagery

DUDEK

0 1,000 2,000 Feet

FIGURE 3.6-1

Project Site

Prairie Song Reliability Project

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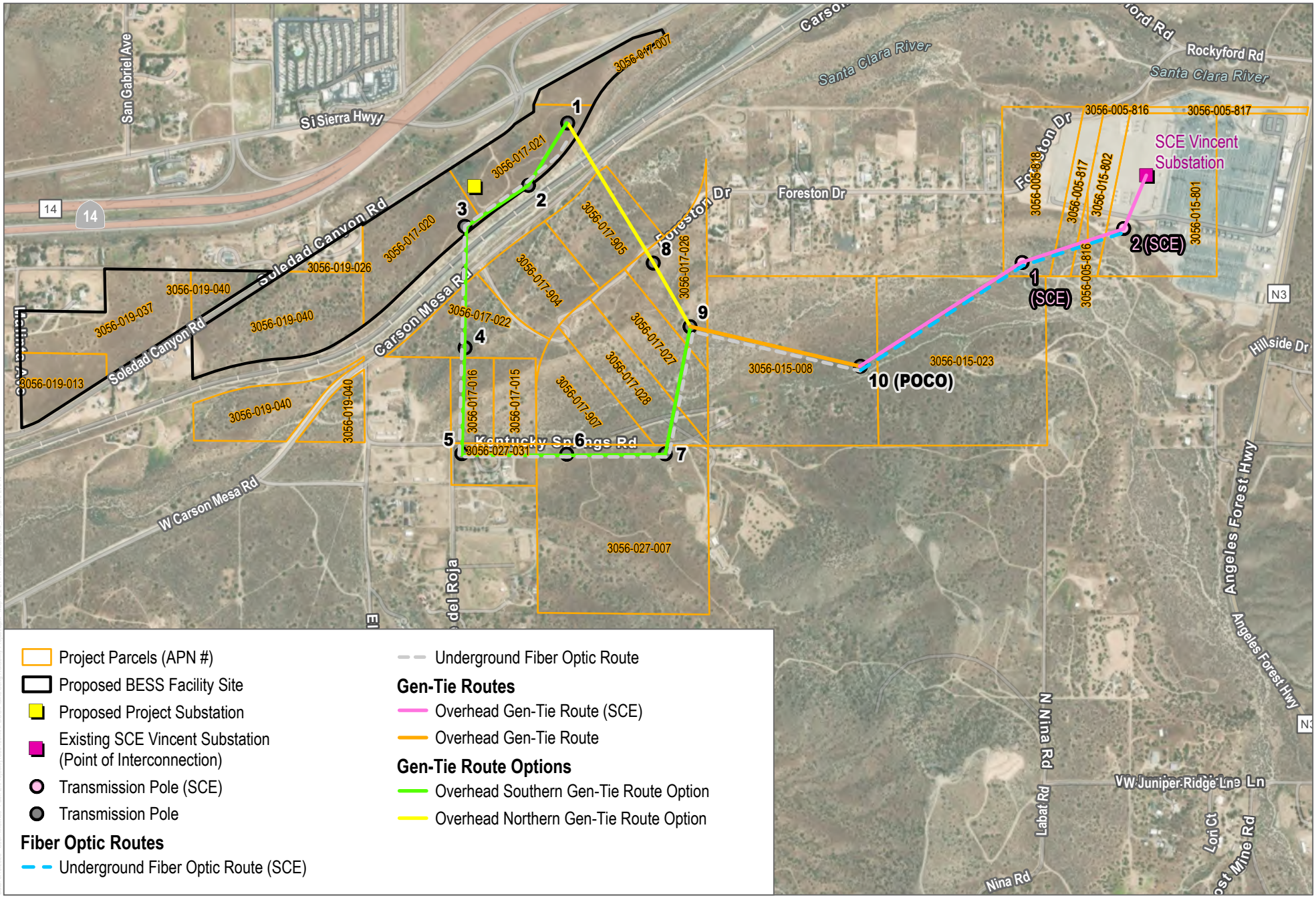

SOURCE: World Imagery; Los Angeles County

DUDEK

0 500 1,000 Feet

FIGURE 3.6-2

Assessor Parcel Number (APN) Map

Prairie Song Reliability Project

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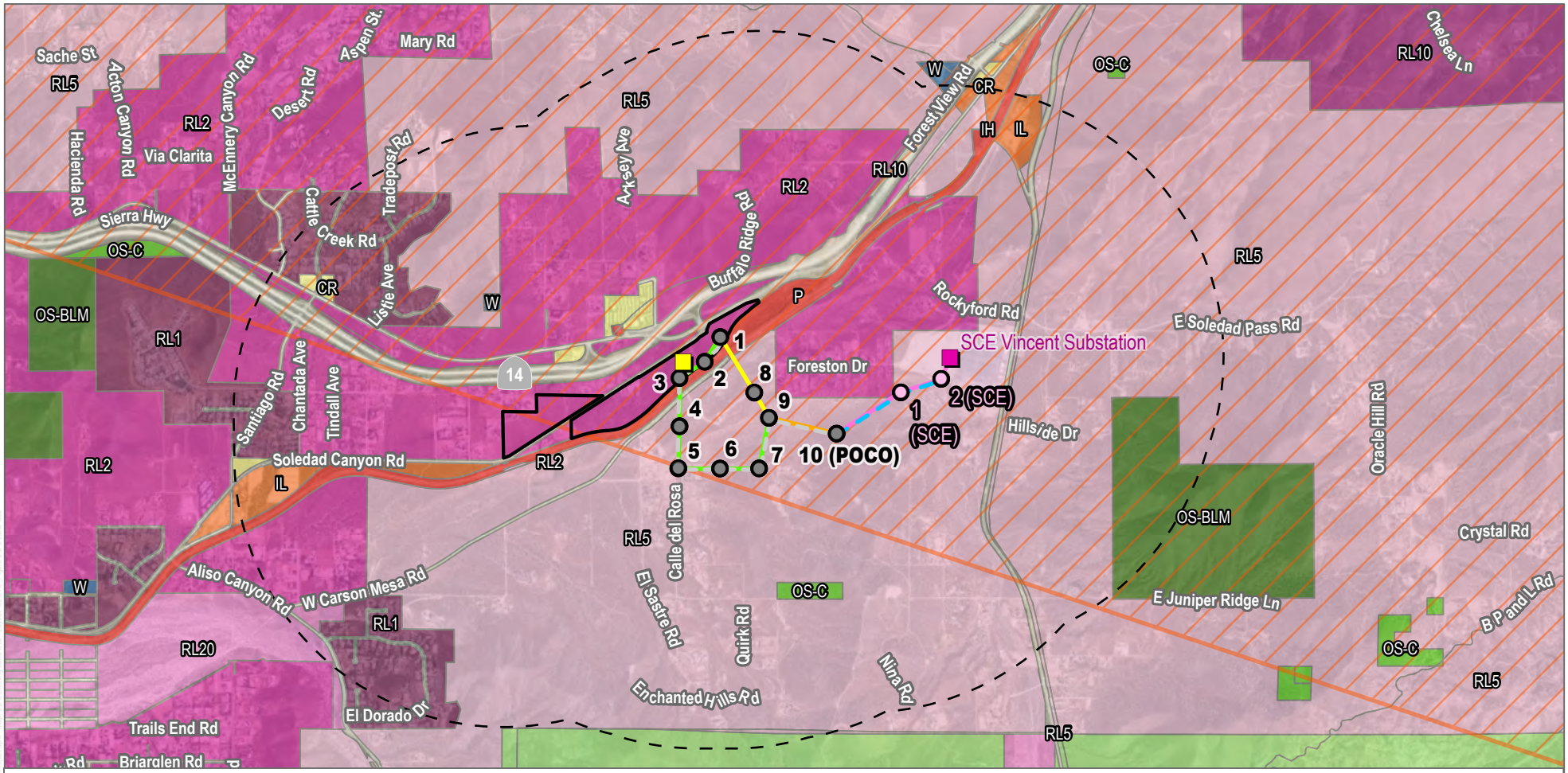

1-mile Buffer
Proposed BESS Facility Site
Proposed Project Substation
Existing SCE Vincent Substation (Point of Interconnection)
Transmission Pole (SCE)
Transmission Pole

Fiber Optic Routes
Underground Fiber Optic Route (SCE)
Underground Fiber Optic Route

Gen-Tie Routes
Overhead Gen-Tie Route (SCE)
Overhead Gen-Tie Route

Gen-Tie Route Options
Overhead Southern Gen-Tie Route Option
Overhead Northern Gen-Tie Route Option

Land Use
CR - Rural Commercial
IH - Heavy Industrial
IL - Light Industrial
OS-BLM - Bureau of Land Management
OS-C - Conservation
OS-NF - Open Space National Forest
P - Public and Semi-Public
RL1 - Rural Land 1
RL10 - Rural Land 10
RL2 - Rural Land 2
RL20 - Rural Land 20
RL5 - Rural Land 5
W - Water
Military Operation Area - Floor Elevation from Ground Level - 1000 to 2000 Feet

SOURCE: Los Angeles County; World Imagery

DUDEK

0 1,250 2,500 Feet

FIGURE 3.6-3
Existing Land Use
Prairie Song Reliability Project

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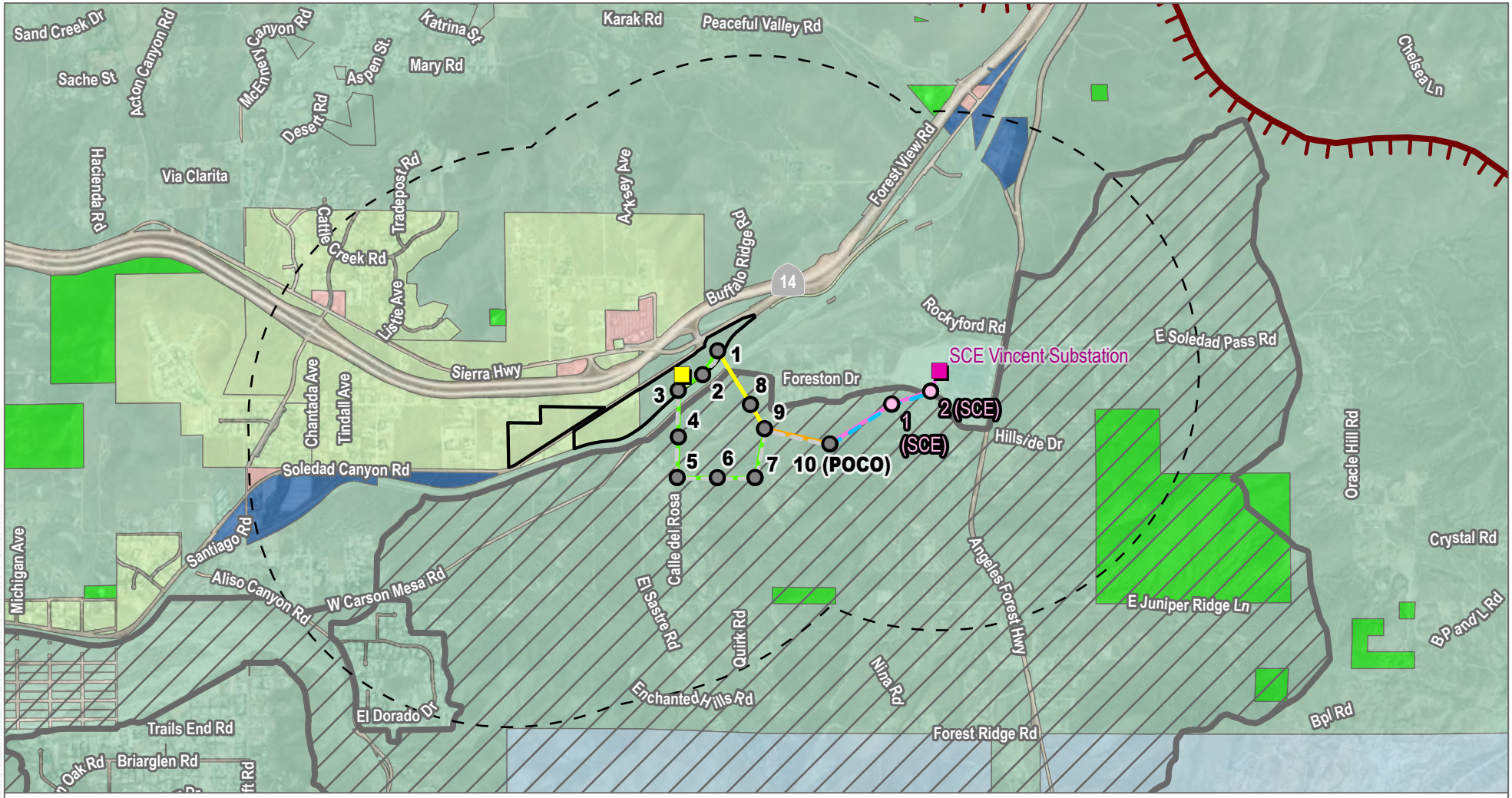

1-mile buffer
Proposed BESS Facility Site
Proposed Project Substation
Existing SCE Vincent Substation (Point of Interconnection)
Transmission Pole (SCE)
Transmission Pole

Fiber Optic Routes
Underground Fiber Optic Route (SCE)
Underground Fiber Optic Route

Gen-Tie Routes
Overhead Gen-Tie Route (SCE)
Overhead Gen-Tie Route

Gen-Tie Route Options
Overhead Southern Gen-Tie Route Option
Overhead Northern Gen-Tie Route Option

Zoning
A-1 - Light Agriculture
A-2 - Heavy Agriculture
C-RU - Rural Commercial
M-1 - Light Manufacturing
O-S - Open Space
W - Watershed
Acton Community Standards District (CSD)
Santa Clara River Significant Ecological Area (SEA)

SOURCE: Los Angeles County; World Imagery

DUDEK

0 1,250 2,500 Feet

FIGURE 3.6-4
Existing Zoning
Prairie Song Reliability Project

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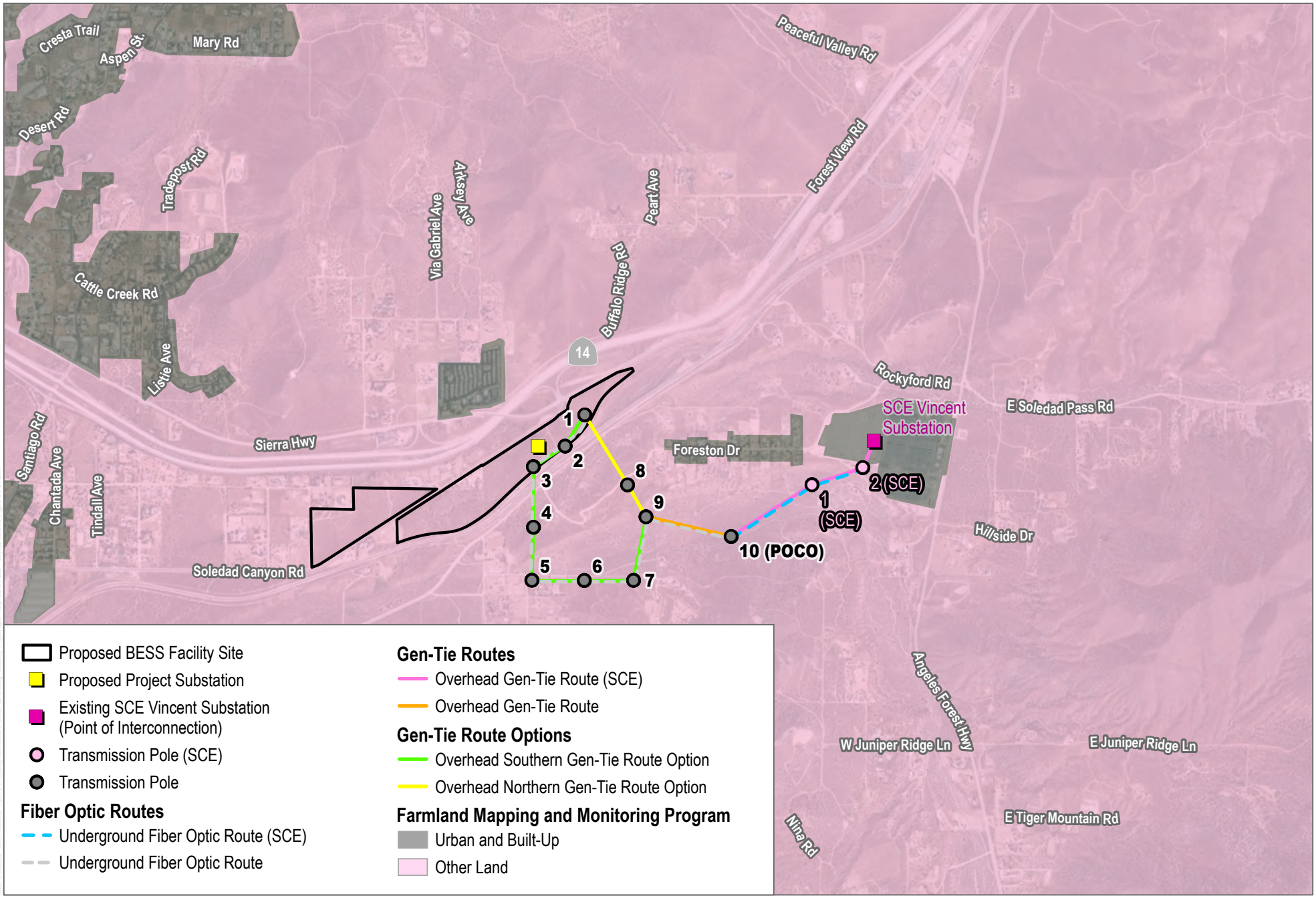

SOURCE: World Imagery; CA Department of Conservation

DUDEK

0 500 1,000 Feet

FIGURE 3.6-5

Farmland Mapping and Monitoring Program Designations

Prairie Song Reliability Project

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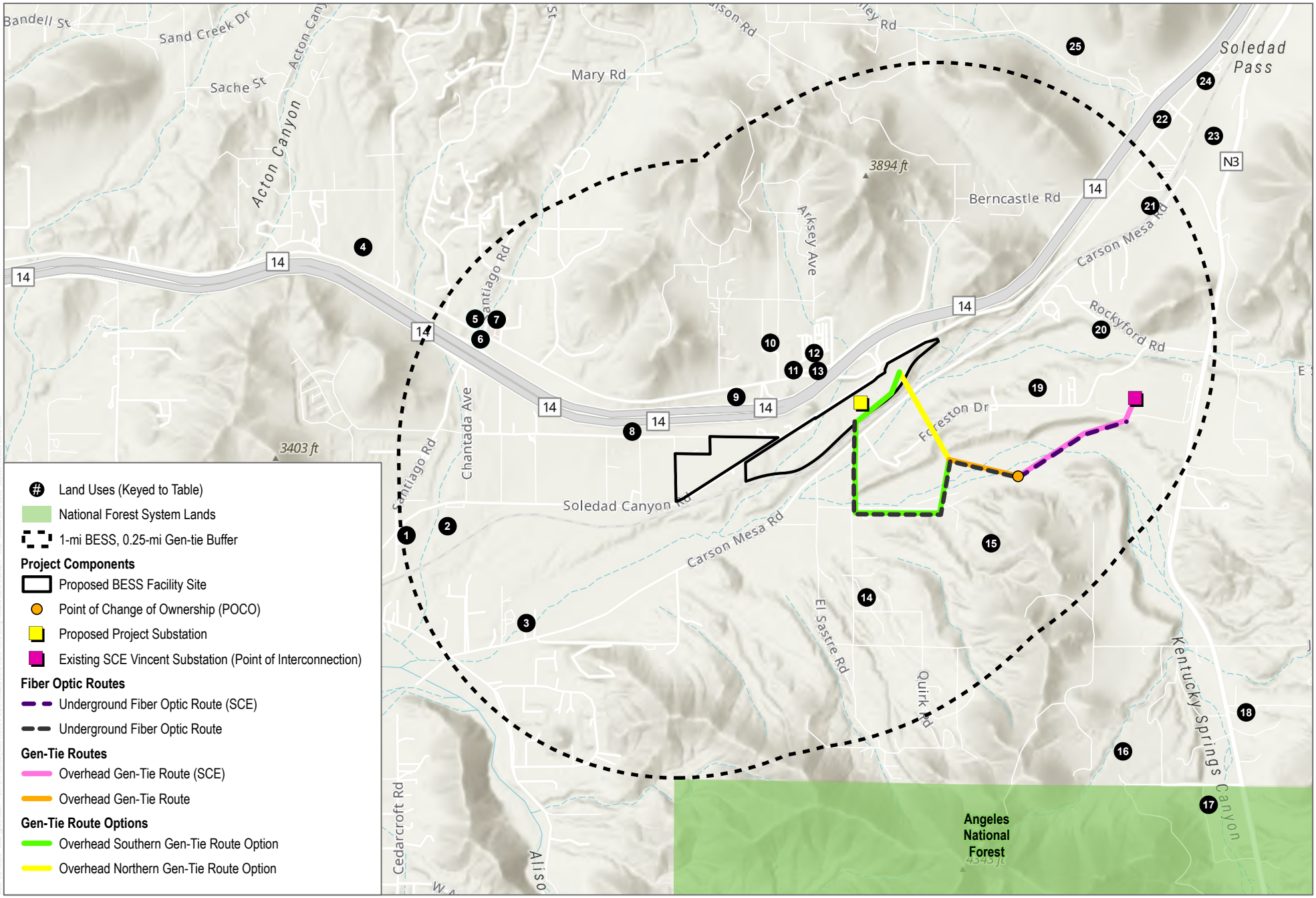

SOURCE: Esri 2025; USFS 2025

DUDEK

0 1,000 2,000 Feet

FIGURE 3.6-6

Notable Land Uses

Prairie Song Reliability Project

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Attachment 5

Appendix 3.6B, Land Use Inventory

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-017-007	P - Public and Semi-Public, RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	0
3056-017-020	P - Public and Semi-Public, RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	0
3056-017-021	P - Public and Semi-Public, RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	0
3056-017-900	P - Public and Semi-Public, RL2 - Rural Land 2	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	0
3056-019-900	P - Public and Semi-Public, RL2 - Rural Land 2, RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	0
3056-019-004	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	0
3056-019-013	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	0
3056-019-028	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	0
3056-019-034	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	0
3056-019-035	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	0
3056-019-036	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	0
3056-019-037	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	0
3056-022-035	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	0
3056-022-036	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	0
3056-022-038	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	0
3056-019-010	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	0
3056-019-026	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	0
3056-005-051	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	0
3056-005-052	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	0
3056-005-816	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	0

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-005-817	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	0
3056-005-818	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	0
3056-015-008	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	0
3056-015-023	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	0
3056-015-801	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	0
3056-015-802	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	0
3056-017-016	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	0
3056-017-022	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	0
3056-017-026	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	0
3056-017-027	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	0
3056-017-028	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	0
3056-017-905	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	0
3056-027-007	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	0
3056-027-031	RL5 - Rural Land 5	A-2-Heavy Agricultural	Mobile Homes	0
3056-017-014	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	0
3056-027-064	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	2
3056-017-907	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	7
3056-017-904	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	11
3056-027-032	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	19
3056-017-015	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	22
3056-017-906	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	34

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-019-024	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	50
3056-019-025	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	66
3056-019-039	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	69
3056-019-041	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	69
3056-017-004	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	77
3056-005-053	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	85
3056-015-019	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	90
3056-017-031	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	100
3056-015-011	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	148
3056-027-065	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	151
3056-015-020	RL5 - Rural Land 5	A-2-Heavy Agricultural	Mobile Homes	166
3056-005-054	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	175
3056-017-903	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	178
3056-019-040	P - Public and Semi-Public, RL2 - Rural Land 2, RL5 - Rural Land 5	A-2-Heavy Agricultural, A-1-Light Agricultural	Desert	183
3056-015-805	RL5 - Rural Land 5	A-2-Heavy Agricultural	Mobile Homes	189
3056-017-902	P - Public and Semi-Public	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	191
3056-017-901	P - Public and Semi-Public	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	191
3056-019-008	RL5 - Rural Land 5	A-2-Heavy Agricultural	Mobile Homes	192
3056-017-032	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	200
3056-028-006	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	220
3056-006-025	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	224
3056-017-017	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	225
3056-024-050	IL - Light Industrial, P - Public and Semi-Public, RL5 - Rural Land 5	A-2-Heavy Agricultural, M-1-Light Manufacturing	Desert	242

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-019-031	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	261
3056-027-098	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	261
3056-006-016	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	265
3056-015-024	RL5 - Rural Land 5	A-2-Heavy Agricultural	Mobile Homes	268
3056-014-903	P - Public and Semi-Public, RL2 - Rural Land 2	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	314
3056-014-901	P - Public and Semi-Public	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	315
3056-014-900	P - Public and Semi-Public	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	318
3056-022-042	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	331
3056-022-031	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	336
3056-027-035	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	350
3056-006-017	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	355
3056-014-902	P - Public and Semi-Public, RL2 - Rural Land 2	A-1-Light Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	357
3056-006-024	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	367
3056-015-804	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	389
3056-028-084	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	405
3056-006-023	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	406
3056-005-050	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	433
3056-006-022	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	445
3056-006-018	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	445

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-015-800	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	457
3056-022-030	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	478
3056-015-022	RL5 - Rural Land 5	A-2-Heavy Agricultural	Mobile Homes	481
3056-027-066	RL5 - Rural Land 5	A-2-Heavy Agricultural	Mobile Homes	482
3056-006-021	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	483
3056-014-812	RL2 - Rural Land 2	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	484
3056-028-834	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	486
3056-006-006	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	509
3056-006-020	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	521
3056-005-049	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	522
3056-028-808	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	535
3056-006-019	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	536
3056-022-041	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	547
3056-014-042	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	558
3057-015-033	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	595
3057-015-026	RL2 - Rural Land 2	A-2-Heavy Agricultural	Commercial	597
3056-014-022	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	607
3056-005-048	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	613
3057-015-052	CR - Rural Commercial	C-RU-Rural Commercial	Parking Lots (Commercial Use Properties)	614
3056-022-034	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	623
3056-006-007	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	630

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-027-045	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	653
3057-015-028	CR - Rural Commercial	C-RU-Rural Commercial	Commercial	653
3057-016-003	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	657
3056-022-032	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	661
3056-022-040	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	662
3056-005-047	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	708
3056-014-814	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	712
3056-028-085	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	735
3056-022-029	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	742
3056-014-904	P - Public and Semi-Public	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	761
3056-028-825	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	762
3056-006-008	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	768
3056-028-810	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	788
3057-016-002	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	798
3056-027-042	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	812
3056-006-015	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	822
3057-015-030	RL2 - Rural Land 2	A-1-Light Agricultural	Commercial	851
3057-016-006	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	857
3057-015-034	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	878
3057-014-005	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	890
3056-014-046	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	891

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-028-809	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	901
3057-015-029	RL2 - Rural Land 2	A-1-Light Agricultural	Commercial	904
3056-006-014	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	912
3056-006-009	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	915
3057-015-042	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	926
3057-015-047	CR - Rural Commercial	C-RU-Rural Commercial	Stores	956
3057-015-041	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	962
3056-028-108	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	976
3057-015-900	CR - Rural Commercial, P - Public and Semi-Public	A-1-Light Agricultural	Government Parcel	988
3056-022-039	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	992
3057-015-051	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	999
3056-006-013	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	1,002
3056-027-036	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	1,010
3056-027-095	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	1,011
3056-027-096	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	1,015
3056-027-037	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	1,017
3057-014-012	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	1,033
3056-027-084	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	1,038
3057-016-017	CR - Rural Commercial, P - Public and Semi-Public	C-RU-Rural Commercial	Auto, Recreation EQPT, Construction EQPT, Sales & Service	1,040
3056-028-811	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	1,042
3057-015-054	CR - Rural Commercial	C-RU-Rural Commercial	Auto, Recreation EQPT, Construction EQPT, Sales & Service	1,046

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-022-028	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	1,054
3056-014-009	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	1,063
3056-006-010	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	1,068
3057-016-004	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	1,075
3056-015-015	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	1,083
3057-024-003	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	1,087
3056-006-012	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	1,092
3056-027-094	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	1,110
3057-024-002	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	1,116
3057-016-016	CR - Rural Commercial	C-RU-Rural Commercial	Auto, Recreation EQPT, Construction EQPT, Sales & Service	1,127
3056-014-824	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	1,146
3056-024-902	IL - Light Industrial, P - Public and Semi-Public, RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	1,160
3056-006-011	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	1,162
3056-028-103	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	1,167
3056-014-811	RL2 - Rural Land 2	A-2-Heavy Agricultural	Rights of Way	1,169
3056-014-005	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	1,173
3056-014-045	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	1,176
3056-015-803	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	1,184
3057-015-044	RL5 - Rural Land 5	A-1-Light Agricultural	Residential Single-Family	1,306
3057-015-010	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	1,306
3057-014-004	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	1,313
3056-027-018	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	1,316
3056-022-016	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	1,322

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3057-015-023	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	1,362
3056-014-044	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	1,362
3056-027-085	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	1,369
3056-022-005	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	1,371
3056-028-812	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	1,376
3056-028-086	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	1,394
3056-028-838	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	1,396
3056-028-813	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	1,402
3056-014-043	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	1,409
3056-014-813	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	1,420
3057-016-001	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	1,422
3056-027-071	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	1,430
3057-015-043	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	1,436
3057-015-018	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	1,442
3057-024-001	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	1,442
3056-027-079	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	1,465
3056-028-107	RL5 - Rural Land 5	A-2-Heavy Agricultural	Mobile Homes	1,483
3056-022-017	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	1,487
3056-028-102	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	1,489
3057-002-024	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	1,492
3056-014-026	P - Public and Semi-Public, RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	1,509

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-028-814	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	1,520
3057-015-021	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	1,548
3057-014-003	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	1,593
3057-016-010	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	1,611
3056-028-815	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	1,614
3057-015-017	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	1,626
3056-027-017	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	1,630
3057-015-022	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	1,636
3056-022-008	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	1,653
3057-015-012	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	1,669
3056-027-050	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	1,681
3056-027-077	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	1,681
3056-027-076	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	1,681
3056-027-067	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	1,685
3056-027-086	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	1,695
3056-014-809	RL2 - Rural Land 2	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	1,707
3057-015-019	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	1,733
3056-027-073	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	1,743
3056-014-024	P - Public and Semi-Public, RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	1,759
3057-015-009	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	1,772
3057-014-025	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	1,787
3057-002-900	W - Water	O-S-Open Space	Skating Rinks	1,791

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-014-810	RL2 - Rural Land 2	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	1,801
3056-014-037	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	1,804
3056-028-104	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	1,814
3056-022-023	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	1,818
3056-027-072	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	1,842
3057-015-056	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	1,853
3057-016-009	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	1,871
3057-015-016	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	1,906
3056-028-093	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	1,933
3056-014-031	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	1,955
3057-015-020	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	2,011
3056-027-068	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	2,013
3056-022-048	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,018
3056-027-087	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	2,022
3056-014-048	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	2,032
3057-011-029	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	2,039
3057-001-039	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	2,043
3056-028-816	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	2,053
3056-028-087	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	2,053
3057-011-024	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	2,053
3057-001-041	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	2,055
3057-009-029	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	2,064
3057-001-043	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	2,076
3057-001-059	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	2,082

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-028-817	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	2,107
3057-009-030	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	2,111
3057-015-013	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,123
3056-028-900	OS-C - Conservation	O-S-Open Space	Desert	2,140
3056-022-024	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	2,149
3057-015-008	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,158
3057-009-028	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	2,171
3057-015-015	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,190
3056-027-078	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	2,196
3057-001-036	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	2,211
3057-011-028	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	2,233
3057-011-027	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	2,239
3057-014-002	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,249
3057-016-013	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	2,256
3057-011-026	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	2,262
3057-001-040	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	2,267
3057-009-813	RL2 - Rural Land 2	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	2,267
3056-014-049	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	2,277
3057-016-801	RL2 - Rural Land 2	A-2-Heavy Agricultural	Government Parcel	2,309
3056-022-044	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,314
3056-022-043	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,314
3057-011-022	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	2,320
3056-022-045	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,320
3056-022-046	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	2,328

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3057-015-014	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,336
3056-026-018	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	2,339
3056-026-042	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	2,339
3056-026-040	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	2,342
3057-009-031	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	2,349
3056-026-051	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	2,350
3057-001-035	RL1 - Rural Land 1	A-1-Light Agricultural	Desert	2,359
3057-011-025	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	2,364
3056-028-836	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	2,382
3056-026-039	RL5 - Rural Land 5	A-2-Heavy Agricultural	Mobile Homes	2,383
3056-014-806	RL2 - Rural Land 2	A-2-Heavy Agricultural	Government Parcel	2,387
3057-001-042	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	2,389
3057-015-007	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,395
3057-014-001	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	2,445
3057-011-023	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	2,446
3056-022-047	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,454
3057-015-059	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	2,466
3057-009-811	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	2,468
3056-018-074	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	2,468
3057-001-046	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	2,503
3057-001-047	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	2,503
3057-016-014	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	2,504
3057-009-023	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	2,515
3057-001-045	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	2,516
3057-001-044	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	2,524

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-027-080	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	2,525
3057-001-048	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	2,530
3056-020-039	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,540
3056-014-047	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	2,576
3057-001-049	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	2,596
3057-009-034	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	2,608
3057-009-016	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	2,621
3057-015-037	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	2,627
3057-015-038	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,628
3057-015-036	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,628
3057-015-058	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,631
3056-023-022	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	2,644
3056-023-015	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,644
3057-001-050	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	2,646
3056-023-023	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,652
3057-009-024	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	2,653
3056-026-019	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	2,654
3057-015-039	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	2,658
3056-023-030	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	2,661
3056-020-046	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,668
3056-024-013	IL - Light Industrial, P - Public and Semi-Public	M-1-Light Manufacturing	Industrial	2,671
3056-026-036	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	2,688
3057-011-039	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	2,693
3056-024-901	P - Public and Semi-Public, RL2 - Rural Land 2	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	2,697
3057-001-051	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	2,699

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3057-009-022	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	2,711
3056-026-043	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	2,731
3056-025-020	RL5 - Rural Land 5	A-2-Heavy Agricultural	Mobile Homes	2,731
3056-025-029	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	2,741
3056-026-052	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	2,760
3057-009-021	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	2,772
3057-015-002	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,778
3057-002-025	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	2,780
3057-011-021	RL5 - Rural Land 5	A-2-Heavy Agricultural	Mobile Homes	2,784
3057-011-802	RL2 - Rural Land 2	A-2-Heavy Agricultural	Government Parcel	2,794
3056-025-030	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	2,809
3057-001-052	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	2,813
3056-024-012	P - Public and Semi-Public, RL2 - Rural Land 2, RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	2,831
3057-009-015	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	2,839
3057-009-033	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	2,869
3057-009-017	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	2,883
3056-025-033	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	2,885
3057-011-009	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	2,899
3056-004-900	P - Public and Semi-Public, RL2 - Rural Land 2, RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	2,946
3056-014-036	P - Public and Semi-Public, RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	2,946
3056-014-030	P - Public and Semi-Public, RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	2,950
3057-001-053	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	2,966
3057-014-006	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	2,970
3056-023-021	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,980

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-023-016	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,980
3056-023-024	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	2,987
3056-026-035	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	2,987
3056-024-903	IL - Light Industrial, P - Public and Semi-Public	M-1-Light Manufacturing	Utility Commercial & Mutual: Pumping Plants State Assessed Property	2,990
3056-023-029	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	2,995
3056-020-045	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	3,002
3056-025-040	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	3,004
3056-024-040	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	3,006
3056-014-035	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	3,043
3057-001-054	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,046
3056-025-021	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	3,052
3056-020-038	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	3,055
3056-020-040	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	3,057
3057-011-047	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	3,058
3057-011-008	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	3,081
3057-009-018	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	3,082
3056-014-815	RL2 - Rural Land 2, RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	3,087
3057-001-033	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,090
3056-026-047	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	3,092
3057-001-034	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,093
3057-001-032	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,104
3056-018-073	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	3,123
3056-026-041	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	3,131

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-004-052	RL2 - Rural Land 2, RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	3,145
3057-001-055	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,145
3056-004-032	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	3,150
3057-009-007	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	3,157
3056-004-840	P - Public and Semi-Public, RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	3,167
3057-014-019	RL1 - Rural Land 1	A-1-Light Agricultural	Desert	3,170
3056-025-041	RL5 - Rural Land 5	A-2-Heavy Agricultural	Mobile Homes	3,171
3056-024-039	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	3,173
3057-009-036	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	3,181
3057-011-010	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	3,191
3056-004-022	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	3,213
3057-015-004	RL2 - Rural Land 2	A-1-Light Agricultural	Mobile Homes	3,217
3057-001-031	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,229
3057-001-056	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,230
3056-025-031	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	3,266
3056-004-838	P - Public and Semi-Public, RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	3,273
3057-015-060	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	3,286
3057-011-007	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	3,288
3057-009-035	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	3,289
3056-026-020	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	3,302
3057-001-057	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,306
3056-023-020	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	3,315
3056-023-017	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	3,316

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-023-025	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	3,321
3057-001-030	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,325
3056-023-028	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	3,329
3056-020-044	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	3,335
3057-009-008	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	3,340
3057-011-020	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	3,348
3056-031-012	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,357
3057-009-001	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	3,362
3056-024-037	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	3,363
3056-025-022	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	3,374
3056-020-041	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	3,386
3057-001-029	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,423
3056-026-050	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	3,424
3056-020-037	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	3,469
3056-031-013	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,485
3057-001-058	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,496
3056-004-033	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	3,498
3056-025-034	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,502
3057-011-037	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	3,516
3057-001-028	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,521
3057-018-020	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,535
3057-009-037	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	3,544
3056-031-011	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,546
3057-011-031	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	3,555
3056-032-023	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,600

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-004-841	P - Public and Semi-Public, RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	3,608
3056-026-049	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	3,608
3056-024-007	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	3,608
3056-026-048	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	3,617
3057-001-027	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,619
3057-018-019	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,622
3056-031-014	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,630
3056-024-038	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	3,637
3056-026-030	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	3,644
3056-023-063	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	3,650
3056-023-018	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	3,651
3056-023-064	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	3,653
3056-031-023	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,654
3056-023-026	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	3,656
3056-032-022	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,660
3056-023-027	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	3,663
3057-002-027	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,666
3057-002-028	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,666
3056-020-043	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	3,670
3057-002-026	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,675
3057-011-032	RL2 - Rural Land 2	A-2-Heavy Agricultural	Mobile Homes	3,693
3056-032-024	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,694
3056-025-023	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	3,695
3057-002-029	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,701
3056-020-047	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	3,709

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3057-018-018	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,711
3056-020-042	RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	3,717
3057-001-026	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,719
3056-032-021	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,733
3057-002-030	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,741
3056-031-015	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,741
3057-011-038	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	3,760
3057-002-031	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,769
3056-024-001	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,771
3057-002-032	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,779
3057-011-016	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	3,782
3057-002-034	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,789
3057-002-033	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,789
3057-002-060	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,790
3057-009-038	RL2 - Rural Land 2, RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	3,790
3057-018-011	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,791
3057-018-017	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,803
3056-025-009	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,803
3056-024-006	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	3,805
3056-031-016	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,814
3056-004-842	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	3,819
3057-001-025	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,821
3056-032-020	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,821
3057-011-033	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	3,834
3056-031-020	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,850

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3057-002-038	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,865
3057-018-012	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,893
3057-018-016	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,898
3056-031-017	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,908
3057-002-061	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,912
3057-001-024	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,924
3057-019-001	CR - Rural Commercial	C-RU-Rural Commercial	Shopping Centers (Neighborhood, community)	3,938
3056-026-026	RL5 - Rural Land 5	A-2-Heavy Agricultural	Mobile Homes	3,948
3056-026-029	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	3,948
3057-011-004	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	3,949
3057-011-015	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	3,950
3056-031-021	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,971
3057-011-046	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	3,972
3057-002-041	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,972
3056-004-905	P - Public and Semi-Public	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	3,973
3057-018-013	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,973
3057-011-034	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	3,976
3056-024-052	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	3,979
3056-023-039	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,984
3056-023-038	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,986
3056-023-037	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,988
3057-017-015	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,988
3056-023-036	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,990
3056-023-035	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,992
3056-023-034	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,994

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-023-062	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,995
3056-031-019	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	3,996
3056-023-033	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,997
3056-023-032	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	3,998
3056-020-034	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	4,002
3056-024-071	IL - Light Industrial, P - Public and Semi-Public	M-1-Light Manufacturing	Warehousing, Distribution, Storage	4,003
3057-002-037	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,010
3056-033-088	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	4,017
3057-013-052	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	4,023
3056-032-025	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,047
3057-018-014	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,054
3056-023-061	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,079
3057-017-014	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,082
3057-019-003	CR - Rural Commercial, RL1 - Rural Land 1, RL1 - Rural Land 1	C-RU-Rural Commercial, A-1-Light Agricultural	Stores	4,084
3056-024-054	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	4,088
3057-018-015	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,091
3056-024-062	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	4,093
3056-031-018	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,095
3056-032-031	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,098
3056-032-032	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,105
3057-011-014	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	4,120
3057-019-002	CR - Rural Commercial	C-RU-Rural Commercial	Stores	4,129
3057-002-042	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,130
3057-002-057	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,133
3057-002-058	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,136

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-024-064	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	4,151
3056-032-030	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,157
3056-025-010	RL20 - Rural Land 20	A-2-Heavy Agricultural	Residential Single-Family	4,159
3057-002-047	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,168
3056-032-026	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,169
3056-032-033	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,173
3057-017-013	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,176
3056-032-034	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,180
3057-002-059	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,182
3056-023-060	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,185
3056-032-035	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,186
3056-025-039	RL1 - Rural Land 1	A-2-Heavy Agricultural	Mobile Homes	4,193
3056-032-036	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,241
3056-023-059	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,244
3056-032-037	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,248
3057-011-005	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	4,252
3057-002-043	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,253
3056-032-038	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,254
3057-002-044	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,254
3057-002-045	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,254
3057-019-010	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,256
3057-002-046	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,257
3057-011-035	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	4,271
3057-017-012	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,272
3057-017-016	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,272
3057-002-048	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,275
3056-032-039	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,294

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3057-011-045	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	4,300
3056-032-027	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,301
3056-023-058	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,305
3057-009-032	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	4,317
3056-024-063	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	4,330
3056-032-040	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,332
3057-017-017	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,345
3056-023-057	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,347
3057-002-049	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,358
3057-002-056	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,360
3057-014-021	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	4,361
3057-019-004	CR - Rural Commercial	C-RU-Rural Commercial	Restaurants, Cocktail Lounges	4,373
3056-024-047	RL2 - Rural Land 2	A-2-Heavy Agricultural	Desert	4,374
3056-023-056	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,390
3056-024-058	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	4,392
3056-032-041	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,409
3057-011-018	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	4,410
3057-017-018	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,416
3057-019-005	CR - Rural Commercial	C-RU-Rural Commercial	Shopping Centers (Neighborhood, community)	4,421
3056-032-028	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,422
3056-004-810	RL5 - Rural Land 5	A-2-Heavy Agricultural	Industrial	4,424
3056-023-055	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,433
3056-032-029	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,435
3056-004-042	RL5 - Rural Land 5	A-2-Heavy Agricultural	Industrial	4,436
3056-004-825	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	4,436

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-004-827	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	4,438
3057-017-010	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,443
3057-013-050	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	4,446
3056-004-826	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	4,447
3057-002-055	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,452
3057-002-050	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,464
3056-024-015	CR - Rural Commercial	C-RU-Rural Commercial	Residential Single-Family	4,464
3056-024-061	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	4,469
3057-019-008	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,472
3056-023-054	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,475
3056-021-020	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	4,477
3057-009-805	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	4,481
3057-011-036	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	4,484
3056-032-042	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,488
3057-017-011	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,503
3056-021-017	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	4,510
3056-023-053	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,518
3056-024-057	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	4,523
3056-024-051	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	4,525
3057-019-009	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,533
3057-011-017	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	4,538
3057-002-054	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,546
3056-033-069	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,547

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-021-021	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-022	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-023	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-024	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-025	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-026	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-027	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-028	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-029	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-030	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-031	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-032	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-033	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-034	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-035	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-036	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-037	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-038	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-039	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-040	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-041	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-042	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-043	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-044	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-045	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-046	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-047	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-021-048	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-049	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-050	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-051	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-052	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-053	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-054	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-055	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-056	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-057	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-058	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-059	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-060	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-061	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-062	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-063	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-064	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-065	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-066	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-067	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-068	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-069	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-070	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-071	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-072	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-073	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-074	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-021-075	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-076	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-077	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-078	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-079	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-080	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-081	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-082	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-083	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-084	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-085	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-086	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-087	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-088	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-089	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-090	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-091	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-092	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-093	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-094	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-095	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-096	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-097	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-098	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-099	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-100	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-101	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-021-102	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-103	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-104	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-105	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-106	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-107	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-108	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-109	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-110	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-111	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-112	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-113	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-114	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-115	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-116	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-117	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-118	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-119	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-120	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-121	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-122	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-123	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-124	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-125	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-126	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-127	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-128	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-021-129	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-130	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-131	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-132	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-133	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-134	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-135	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-136	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-137	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-138	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-139	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-140	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-141	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-142	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-143	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-144	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-145	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-146	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-147	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-148	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-149	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-150	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-151	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-152	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-153	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-154	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-155	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-021-156	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-157	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-158	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-159	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-160	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-161	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-162	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-163	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-164	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-165	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-166	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-167	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-168	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-169	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-170	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-171	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-172	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-173	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-021-174	RL1 - Rural Land 1	A-1-Light Agricultural	Mobile Homes	4,551
3056-023-052	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,561
3057-014-023	RL2 - Rural Land 2	A-1-Light Agricultural	Desert	4,569
3057-002-051	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,569
3056-024-067	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	4,572
3056-032-044	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,575
3057-017-022	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,576
3056-025-012	RL20 - Rural Land 20	A-2-Heavy Agricultural	Residential Single-Family	4,584
3056-025-038	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,587

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3057-017-019	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,593
3056-004-824	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	4,598
3057-017-023	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,604
3056-023-051	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,604
3056-032-050	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,612
3056-032-043	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,619
3056-023-040	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,623
3057-011-044	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	4,628
3056-023-050	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,642
3057-002-053	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,647
3057-017-020	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,649
3057-010-029	RL5 - Rural Land 5	A-2-Heavy Agricultural	Mobile Homes	4,656
3056-024-056	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	4,658
3057-008-035	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	4,664
3056-033-068	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,665
3057-011-019	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	4,666
3057-019-007	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,667
3056-033-070	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,670
3057-013-062	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	4,674
3056-024-023	IL - Light Industrial, P - Public and Semi-Public	M-1-Light Manufacturing	Residential Single-Family	4,675
3056-024-066	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	4,696
3056-032-051	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,702
3057-023-001	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,703
3057-017-024	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,703
3057-009-013	RL5 - Rural Land 5	A-2-Heavy Agricultural	Industrial	4,723

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3057-017-021	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,727
3057-009-803	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	4,732
3057-013-051	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	4,734
3056-033-064	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,740
3057-002-052	RL1 - Rural Land 1, RL5 - Rural Land 5	A-1-Light Agricultural	Residential Single-Family	4,749
3057-017-009	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,763
3056-032-045	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,773
3056-024-030	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	4,774
3057-011-002	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	4,785
3057-017-025	RL1 - Rural Land 1, RL2 - Rural Land 2, RL5 - Rural Land 5	A-1-Light Agricultural	Residential Single-Family	4,798
3056-032-052	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,799
3056-033-071	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,804
3056-024-053	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	4,813
3057-023-002	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,813
3056-032-049	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,821
3057-017-008	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,824
3057-013-061	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	4,831
3056-024-031	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	4,835
3057-009-806	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	4,841
3056-023-041	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,845
3056-033-072	RL1 - Rural Land 1, RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	4,856
3056-033-900	RL1 - Rural Land 1, RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	4,856

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3056-023-047	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,861
3057-017-007	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,866
3056-033-093	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,867
3056-032-046	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,872
3056-033-065	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,874
3056-033-067	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,899
3056-032-048	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,909
3057-010-800	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	4,911
3057-023-003	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,911
3057-017-030	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,944
3056-033-055	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,948
3056-025-018	RL20 - Rural Land 20	A-2-Heavy Agricultural	Residential Single-Family	4,952
3057-011-043	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	4,956
3056-023-042	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,966
3056-024-046	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	4,972
3056-032-047	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,975
3057-017-029	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	4,980
3056-033-073	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	4,980
3057-009-807	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	4,993
3057-010-021	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	5,003
3057-023-004	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	5,009
3056-023-049	CR - Rural Commercial, RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	5,012
3056-024-026	IL - Light Industrial	M-1-Light Manufacturing	Restaurants, Cocktail Lounges	5,018
3056-024-027	IL - Light Industrial	M-1-Light Manufacturing	Residential Single-Family	5,025
3057-017-006	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	5,034

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3057-010-009	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	5,039
3056-033-062	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	5,040
3056-032-053	RL20 - Rural Land 20	A-2-Heavy Agricultural	Desert	5,042
3056-033-054	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	5,043
3057-013-020	RL2 - Rural Land 2, RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	5,045
3057-017-055	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	5,056
3057-013-053	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	5,063
3056-024-025	IL - Light Industrial, P - Public and Semi-Public	M-1-Light Manufacturing	Residential Single-Family	5,075
3056-033-066	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	5,085
3056-023-046	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	5,086
3056-023-043	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	5,086
3057-010-008	RL5 - Rural Land 5	A-2-Heavy Agricultural	Mobile Homes	5,090
3056-023-048	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	5,090
3057-017-028	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	5,094
3056-024-045	RL2 - Rural Land 2	A-2-Heavy Agricultural	Residential Single-Family	5,094
3056-033-074	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	5,108
3057-023-005	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	5,113
3056-033-075	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	5,122
3208-012-091	RL20 - Rural Land 20	A-2-Heavy Agricultural	Residential Single-Family	5,132
3056-033-076	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	5,137
3056-033-090	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	5,151
3057-017-005	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	5,154
3056-033-063	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	5,157
3057-017-037	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	5,166
3056-033-053	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	5,166

Accessor Parcel Number	Land Use	Zoning	Use Description	Distance from Project Right-of-Way (feet)
3057-008-810	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	5,174
3057-017-031	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	5,178
3057-023-019	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	5,185
3057-023-006	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	5,199
3057-009-802	RL5 - Rural Land 5	A-2-Heavy Agricultural	Utility Commercial & Mutual: Pumping Plants State Assessed Property	5,202
3056-023-045	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	5,206
3056-023-044	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	5,206
3208-012-090	RL20 - Rural Land 20	A-2-Heavy Agricultural	Residential Single-Family	5,213
3057-017-036	RL1 - Rural Land 1, RL2 - Rural Land 2	A-1-Light Agricultural	Residential Single-Family	5,214
3208-012-113	RL2 - Rural Land 2, RL20 - Rural Land 20	A-2-Heavy Agricultural	Residential Single-Family	5,215
3057-011-042	RL5 - Rural Land 5	A-2-Heavy Agricultural	Desert	5,222
3056-033-077	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	5,230
3057-023-018	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	5,237
3057-017-004	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	5,249
3056-033-089	RL1 - Rural Land 1	A-2-Heavy Agricultural	Residential Single-Family	5,250
3057-010-042	RL5 - Rural Land 5	A-2-Heavy Agricultural	Residential Single-Family	5,266
3057-023-007	RL1 - Rural Land 1	A-1-Light Agricultural	Residential Single-Family	5,276
3056-024-044	IL - Light Industrial, P - Public and Semi-Public, RL2 - Rural Land 2	M-1-Light Manufacturing, A-2-Heavy Agricultural	Mobile Homes	5,409

References

County of Los Angeles. 2025b. Z-NET Find Your Zoning. https://experience.arcgis.com/experience/0eecc2d2d0b944a787f282420c8b290c/page/Home?views=Layers.

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Attachment 6

Appendix 3.6C, Site Control Documentation

FIRST AMENDMENT TO OPTION TO PURCHASE REAL ESTATE

This FIRST AMENDMENT TO OPTION TO PURCHASE REAL ESTATE (this "First Amendment") is made and entered into as of June 3, 2025 ("First Amendment Date"), by and between [redacted] ("Owner"), and **Prairie Song Reliability Project LLC (f.k.a. 16DO 8ME LLC)**, a Delaware limited liability company ("Buyer"; together with Owner, the "Parties" and each, a "Party"), with reference to the following facts:

RECITALS

A. Reference is hereby made to that certain Option to Purchase Real Estate dated August 18, 2022, between the Parties (the "Option Agreement").

B. Capitalized terms used and not defined in this First Amendment have the meanings given to them in the Option Agreement.

C. The Parties desire to amend the Option Agreement as provided in this First Amendment.

AMENDMENT

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the Parties agree as follows:

1. The following will be added to Section 2 (h) of the Option Agreement:

(iv) Year Four: An annual amount of [redacted]

2. Section 4 of the Option Agreement is hereby deleted in its entirety and replaced with the following:

[redacted]

IN WITNESS WHEREOF, the Parties have caused this First Amendment to be executed and effective as of the First Amendment Date.

OWNER:

[redacted]

By: [redacted]

Name

Title:

By: [redacted]

Name:

Title:

BUYER:

Prairie Song Reliability Project LLC,
a Delaware limited liability company

By:

Name:_____

Title: _____

[Signature page to First Amendment to Option to Purchase Real Estate]

IN WITNESS WHEREOF, the Parties have caused this First Amendment to be executed and effective as of the First Amendment Date.

OWNER:

[redacted]

By: _____

Name: [redacted]

Title: [redacted]

By: _____

Name: [redacted]

Title: [redacted]

BUYER:

Prairie Song Reliability Project LLC,
a Delaware limited liability company

By: _____

Name: Sam Littlefield

Title: Chief Development Officer

This page is part of your document - DO NOT DISCARD

[redacted]

Pages:
0009

Recorded/Filed in Official Records
Recorder's Office, Los Angeles County,
California

08/30/22 AT 08:00AM

FEES:	43.00
TAXES:	0.00
OTHER:	0.00
SB2:	75.00
PAID:	118.00

LEADSHEET

202208301060002

00022704741

013634723

SEQ:
01

SECURE - 8:00AM

THIS FORM IS NOT TO BE DUPLICATED

E634519

MEMORANDUM OF TION TO

[redacted]

Recording Requested by:
FNTG Western Region Energy Services

Recording Requested By And
When Recorded Mail to:

16DO 8me LLC
c/o 8minute Solar Energy LLC
Attn: Transactions
4370 Town Center Blvd., Suite 110
El Dorado Hills, CA 95762

30086938

(Space above this line for Recorder's Use)

Los Angeles County, California
APN: 3056-015-008

MEMORANDUM OF
SOLAR POWER GENERATING FACILITY LAND OPTION AND PURCHASE AGREEMENT

THIS MEMORANDUM OF SOLAR POWER GENERATING FACILITY LAND OPTION AND PURCHASE AGREEMENT (***"Memorandum"***) is dated as of August 23, 2022, by and between [redacted] or assignee (***"Seller"***), and 16DO 8ME LLC, a Delaware limited liability company, or assignee (***"Purchaser"***).

Seller is the owner of the real property described on Exhibit A (***"Property"***). Seller has granted and hereby does grant to Purchaser and Purchaser has accepted and hereby does accept from Seller, pursuant to the terms of that certain Solar Power Generating Facility Land Option and Purchase Agreement, with an effective date of August 18, 2022 (the ***"Option Agreement"***), an option to purchase the Property pursuant to the terms of the Option Agreement.

This instrument is a memorandum of the Option Agreement and is subject to all of the terms, covenants and conditions provided in the unrecorded Option Agreement and in no way modifies the provisions of the Option Agreement. All of the terms, conditions, provisions, and covenants of the Option Agreement are hereby incorporated into this Memorandum by reference as though fully set forth herein. If the terms of this instrument are inconsistent with the terms of the Option Agreement, the terms of the Option Agreement shall prevail. This instrument may be executed in one or more counterparts, each of which, when so executed and delivered, shall be deemed an original, but all of which, taken together, shall constitute one and the same instrument. Unless otherwise defined herein, capitalized terms in this Memorandum have the meanings given them in the Option Agreement.

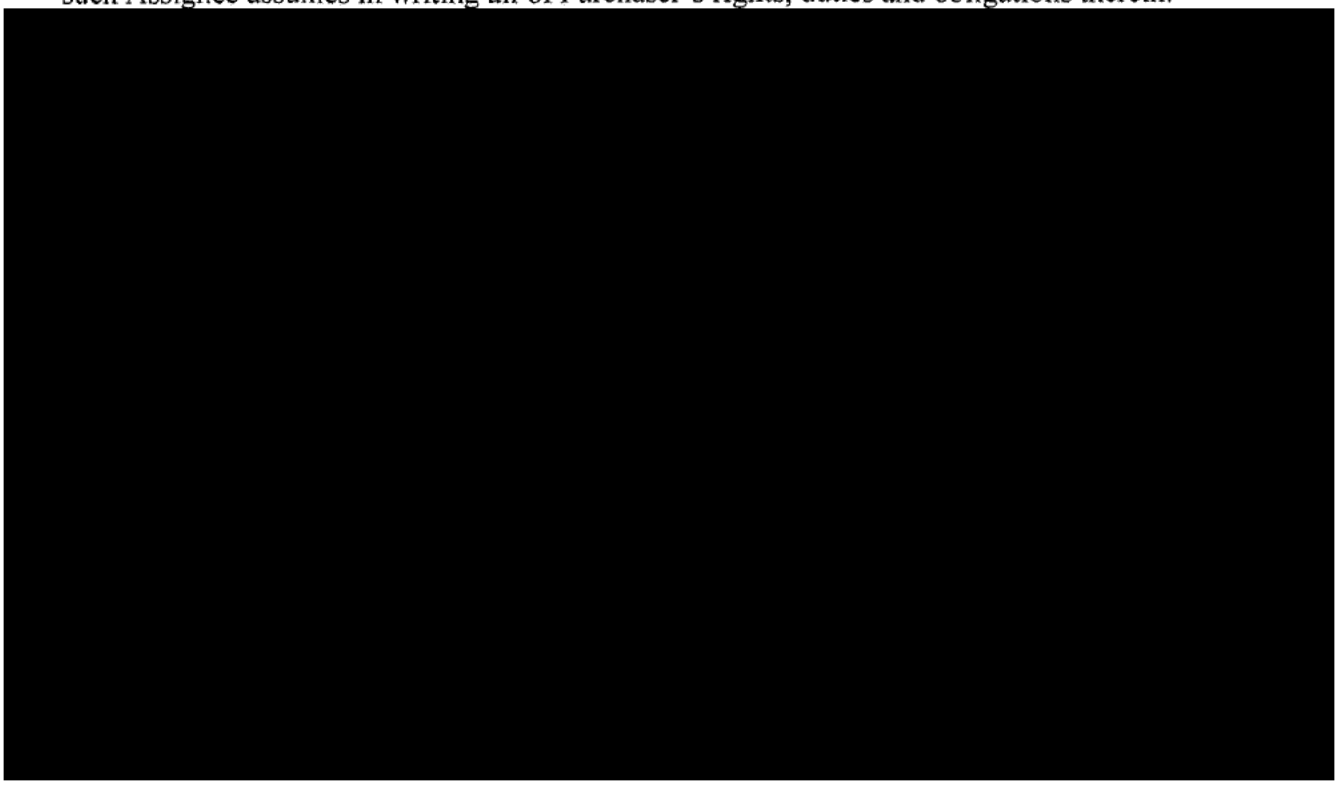
Seller and Purchaser have agreed to record this Memorandum to give notice of the Option Agreement and significant provisions thereof, including, without limitation, the following.

1. **Existing Leases and Mortgages.** Notwithstanding Section 2(e) in the Option Agreement, and subject to Section 3(a)(ii) in the Option Agreement, Seller may lease the Property to third-party tenants for the time period ending on the Purchase Closing Date, *provided,* that any Leases to be entered into by Seller after the Effective Date shall require Purchaser's prior written approval, which shall not unreasonably be withheld. Purchaser shall acquire the Property free and clear of any Mortgage. If Seller encumbers the property with a Mortgage, Seller agrees to fully cooperate with Purchaser to effect a removal of all Mortgages as of the Purchase Closing Date.

2. **Option Period.** The Purchase Option Period of the Option Agreement is thirty-six (36) months from the Purchase Option Period Start Date. Purchaser shall have the right to exercise the Purchase Option by delivering an Exercise Notice at any time prior to the Purchase Option Termination Date.

3. **Termination.** If Purchaser terminates the Option Agreement, then Purchaser will record a quitclaim deed and release of this Memorandum in the public records.

4. **Right to Assign.** Purchaser shall have the absolute right to assign the Option Agreement in its entirety or any of its rights, duties and/or obligations therein to any Assignee, provided that such Assignee assumes in writing all of Purchaser's rights, duties and obligations therein.



If to Purchaser:

16DO 8me LLC
c/o 8minute Solar Energy LLC
4370 Town Center Blvd., Suite 110
El Dorado Hills, CA 95762
Attn: Transactions

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the Parties have executed this Memorandum of Solar Power Generating Facility Land Option and Purchase Agreement, affecting the Property with assessor parcel number 3056-015-008, as of the date first above written.

Seller:

[redacted]

By: [redacted]
Name
Title:

By: [redacted]
Name
Title:

Purchaser:

16DO 8ME LLC,
a Delaware limited liability company

By: _____
Name: Michael Healy
Title: Chief Commercial Officer of Eminate Power LLC, ultimate parent, duly authorized

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) §
County of Los Angeles)

On August 15, 2022 before me, Janice R. Brown a Notary Public, personally appeared [redacted] who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(~~ies~~), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

Signature of Notary

JANICE R. BROWN
COMM...2322383
NOTARY PUBLIC-CALIFORNIA
LOS ANGELES COUNTY
My Term Exp. March 28, 2024

(Affix seal here)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) §
County of Los Angeles)

On August 15, 2022 before me, Janice R. Brown a Notary Public, personally appeared [redacted] who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that ~~he~~/she/~~they~~ executed the same in ~~his~~/her/~~their~~ authorized capacity~~(ies)~~, and that by ~~his~~/her/~~their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

Signature of Notary

JANICE R. BROWN
COMM...2322383
NOTARY PUBLIC-CALIFORNIA
LOS ANGELES COUNTY
My Term Exp. March 28, 2024

(Affix seal here)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) §
County of Los Angeles)

On August 23, 2022, before me, Daniel Coltellaro a Notary Public, personally appeared Michael Healy who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

DANIEL COLTELLARO
Notary Public - California
Los Angeles County
Commission # 2293444
My Comm. Expires Jun 16, 2023

Signature of Notary

(Affix seal here)

EXHIBIT A

Legal Descriptions of Site

All that real property situated in the County of Los Angeles, State of California, bounded and described as follows:

PARCEL 1:

THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 27, TOWNSHIP 5 NORTH, RANGE 12 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT OF SAID LAND.

PARCEL 2:

AN EASEMENT FOR INGRESS AND EGRESS AND ROAD PURPOSES OVER THE NORTHERLY 30 FEET OF THE WESTERLY 30 FEET OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 34, TOWNSHIP 5 NORTH, RANGE 12 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT OF SAID LAND.

APN: 3056-015-008

This page is part of your document - DO NOT DISCARD

[redacted]

Recorded/Filed in Official Records
Recorder's Office, Los Angeles County,
California

10/30/24 AT 08:00AM

Pages:
0007

FEES:	37.00
TAXES:	0.00
OTHER:	0.00
SB2:	75.00
PAID:	112.00

LEADSHEET

202410300140036

00024922619

014971389

SEQ:
01

SECURE - 8:00AM

THIS FORM IS NOT TO BE DUPLICATED

E441953

ACCOM-ML-1000-CH

[redacted]

Recording Requested By And
When Recorded Mail to:

16DO 8ME LLC
c/o Avantus Clean Energy LLC
Attn: Transactions
4370 Town Center Blvd, Ste 110
El Dorado Hills, CA 95762

(Space above this line for Recorder's Use)

LOS ANGELES COUNTY, CA
APN: 3045-015-023

MEMORANDUM OF FIRST AMENDMENT TO SOLAR POWER GENERATING FACILITY LAND OPTION AND PURCHASE AGREEMENT

THIS MEMORANDUM OF FIRST AMENDMENT TO SOLAR POWER GENERATING FACILITY LAND OPTION AND PURCHASE AGREEMENT (this "***Memorandum***") is executed as of October 22, 2024 ("***Effective Date***") by **16DO 8ME LLC**, a Delaware limited liability company ("***Purchaser***") and [redacted] ("***Seller***"), with reference to the below facts. Purchaser and Seller are at times collectively referred to herein as the "**Parties**" or individually as a "**Party**".

RECITALS

WHEREAS, Seller is the owner of the real property described on **Exhibit A** (the "***Property***"), and Seller and Purchaser, are parties to that certain Solar Power Generating Facility Land Option and Purchase Agreement dated as of August 18, 2022, as evidenced by that certain Memorandum of Solar Power Generating Facility Land Option and Purchase Agreement, dated as of August 23, 2022, and recorded on August 31, 2022 in the Official Records of Los Angeles County, California as Document [redacted] (collectively, the "***Option Agreement***"). Seller has granted and does hereby grant to Purchaser, and Purchaser has accepted and hereby does accept from Seller, pursuant to the terms of the Option Agreement, an option to purchase the Property pursuant to the Option Agreement.

WHEREAS, the Option Agreement has been updated and amended by that certain First Amendment to Solar Power Generating Facility Land Option and Purchase Agreement, dated on September 20, 2024, by and between Seller and Purchaser (the "***First Amendment***").

WHEREAS, this instrument is a memorandum of the First Amendment, and is subject to all of the terms, covenants and conditions provided in the unrecorded Option Agreement and First

Amendment and in no way modifies the provisions of the Option Agreement or the First Amendment. If the terms of this instrument are inconsistent with the terms of the Option Agreement and First Amendment, the terms of the Option Agreement and First Amendment shall prevail. This instrument may be executed in one or more counterparts, each of which, when so executed and delivered shall be deemed an original, but all of which, taken together, shall constitute one and the same instrument.

WHEREAS, Seller and Purchaser have agreed to recorded this Memorandum to give notice of the First Amendment and significant provisions thereof.

NOW, THEREFORE, in consideration of the covenants and agreements set forth herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and agreed, the Parties hereby mutually agree as follows:

1. **Option Period.** The Purchase Option Period Start Date under and pursuant to the Option Agreement is hereby mutually agreed between the Seller and Purchaser to have occurred on October 17, 2022. Additionally, Section 2(a)(x), of the Option Agreement is hereby deleted in its entirety and replaced with the following language:

   > "(x) **Purchase Option Period.** The Purchase Option Period (as defined below) shall be up to thirty-six (36) months from the Purchase Option Period Start Date ("***Purchase Option Period***"). During the Purchase Option Period, Seller shall be responsible for all taxes, fees, costs and expenses associated with the Property, except for those outlined explicitly herein."

2. **Termination**. If Purchaser terminates the Option Agreement, then Purchaser will record a termination and release of this Memorandum in the public records.

3. **Right to Assign**. Purchaser has the absolute right to assign the Option Agreement in its entirety or any of its rights, duties, and/or obligations therein to any Assignee, provided that such Assignee assumes in writing all of Purchaser's rights, duties and obligations therein.

IN WITNESS WHEREOF, the Parties have caused this Memorandum to be executed and delivered by their duly authorized representatives as of the Effective Date.

PURCHASER:

16DO 8ME LLC,
a Delaware limited liability company

By: _____

Name: Stephanie Perry
Title: Chief Operating officer of Avantus LLC, duly authorized

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

County of Los Angeles)

On October 22, 2024 before me, Daniel Coltellaro a Notary Public, personally appeared Stephanie Perry who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of CA that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(Affix seal here)

DANIEL COLTELLARO
Notary Public - California
Los Angeles County
Commission # 2460819
My Comm. Expires Aug 25, 2027

Signature of Notary

SELLER:

[redacted]

[redacted]

[redacted]

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF California)

County of Los Angeles)

On October 8, 2024, before me, Elizabeth Horn a Notary Public, personally appeared [redacted] who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that ~~he/she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(Affix seal here)

ELIZABETH HORN
Notary Public - California
Los Angeles County
Commission # 2449201
My Comm. Expires Jun 5, 2027

Signature of Notary

EXHIBIT A

Legal Description of Site

All that real property situated in the County of Los Angeles, State of California, bounded and described as follows:

PARCEL 1:

THE SOUTHEAST ONE QUARTER OF THE SOUTHWEST ONE QUARTER OF SECTION 27 IN TOWNSHIP 5 NORTH, RANGE 12 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT OF SAID LAND.

PARCEL 2:

AN EASEMENT FOR INGRESS AND EGRESS OVER THE NORTH THIRTY FEET OF THAT PORTION OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 34, TOWNSHIP 5 NORTH, RANGE 12 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT THEREOF, LYING WESTERLY OF THE WESTERLY LINE OF A STRIP OF LAND, 100.00 FEET WIDE, THE CENTER LINE OF WHICH IS THE CENTER LINE OF THAT CERTAIN 80.00 FOOT STRIP OF LAND, ANGELES FOREST HIGHWAY (FORMERLY ANGELES HIGHWAY), DESCRIBED IN THE DEED TO THE COUNTY OF LOS ANGELES, RECORDED ON AUGUST 23, 1932 AS INSTRUMENT NO. 915 IN BOOK 11753, PAGE 192, OF OFFICIAL RECORDS, IN THE OFFICE OF COUNTY RECORDER OF SAID COUNTY.

PARCEL 3:

AN EASEMENT FOR INGRESS AND EGRESS OVER THE NORTH THIRTY FEET OF THE EAST THIRTY FEET OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 34, TOWNSHIP 5 NORTH, RANGE 12 WEST, SAN BERNARDINO MERIDIAN, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA.

PARCEL 4:

AN EASEMENT FOR INGRESS AND EGRESS OVER THE SOUTHERN THIRTY FEET OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 27, TOWNSHIP 5 NORTH, RANGE 12 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA.

APN: 3056-015-023

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[redacted]

Pages:
0009

Recorded/Filed in Official Records
Recorder's Office, Los Angeles County,
California

10/07/22 AT 08:00AM

FEES:	43.00
TAXES:	0.00
OTHER:	0.00
SB2:	75.00
PAID:	118.00

LEADSHEET

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SEQ:
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SECURE - 8:00AM

THIS FORM IS NOT TO BE DUPLICATED

E534015

MEMORANDUM - SDO

[redacted]

Recording Requested By And)
When Recorded Mail to:)
)
16DO 8me LLC)
c/o Avantus Clean Energy LLC)
Attn: Transactions)
4370 Town Center Blvd., Suite 110
El Dorado Hills, CA 95762)
)
)
Accom 2_ 1600 8ME

(Space above this line for Recorder's Use)

Los Angeles County, California
APN: 3056-017-020, 3056-017-021 and 3056-017-007

MEMORANDUM OF
SOLAR POWER GENERATING FACILITY LAND OPTION AND PURCHASE AGREEMENT

THIS MEMORANDUM OF SOLAR POWER GENERATING FACILITY LAND OPTION AND PURCHASE AGREEMENT (***"Memorandum"***) is dated as of September 28, 2022, by and between OAKWOOD INVESTMENTS, LLC, a California limited liability company and PALM INVESTMENT GROUP LLC, a Nevada limited liability company or assignee (collectively, "***Seller***"), and 16DO 8ME LLC, a Delaware limited liability company, or assignee ("***Purchaser***").

Seller is the owner of the real property described on Exhibit A ("***Property***"). Seller has granted and hereby does grant to Purchaser and Purchaser has accepted and hereby does accept from Seller, pursuant to the terms of that certain Solar Power Generating Facility Land Option and Purchase Agreement, with an effective date of September 28, 2022 (the "***Option Agreement***"), an option to purchase the Property pursuant to the terms of the Option Agreement.

This instrument is a memorandum of the Option Agreement and is subject to all of the terms, covenants and conditions provided in the unrecorded Option Agreement and in no way modifies the provisions of the Option Agreement. All of the terms, conditions, provisions, and covenants of the Option Agreement are hereby incorporated into this Memorandum by reference as though fully set forth herein. If the terms of this instrument are inconsistent with the terms of the Option Agreement, the terms of the Option Agreement shall prevail. This instrument may be executed in one or more counterparts, each of which, when so executed and delivered, shall be deemed an original, but all of which, taken together, shall constitute one and the same instrument. Unless otherwise defined herein, capitalized terms in this Memorandum have the meanings given them in the Option Agreement.

Seller and Purchaser have agreed to record this Memorandum to give notice of the Option Agreement and significant provisions thereof, including, without limitation, the following.

1. **Existing Leases and Mortgages.** Notwithstanding Section 2(e) in the Option Agreement, and subject to Section 3(a)(ii) in the Option Agreement, Seller may lease the Property to third-party tenants for the time period ending on the Purchase Closing Date, *provided,* that any Leases to be entered into by Seller after the Effective Date shall require Purchaser's prior written approval, which shall not unreasonably be withheld. Purchaser shall acquire the Property free and clear of any Mortgage. If Seller encumbers the property with a Mortgage, Seller agrees to fully cooperate with Purchaser to effect a removal of all Mortgages as of the Purchase Closing Date.

2. **Option Period.** The Purchase Option Period of the Option Agreement is thirty-six (36) months from the Purchase Option Period Start Date. Purchaser shall have the right to exercise the Purchase Option by delivering an Exercise Notice at any time prior to the Purchase Option Termination Date.

3. **Termination.** If Purchaser terminates the Option Agreement, then Purchaser will record a quitclaim deed and release of this Memorandum in the public records.

4. **Right to Assign.** Purchaser shall have the absolute right to assign the Option Agreement in its entirety or any of its rights, duties and/or obligations therein to any Assignee, provided that such Assignee assumes in writing all of Purchaser's rights, duties and obligations therein.

[redacted]

If to Seller:

Palm Investment Group LLC and Oakwood Investments, LLC
PO Box 24066
Los Angeles, CA 90024

[redacted]

If to Purchaser:

16DO 8me LLC
c/o Avantus Clean Energy LLC
4370 Town Center Blvd., Suite 110
El Dorado Hills, CA 95762
Attn: Transactions

[SIGNATURE PAGES FOLLOW]

IN WITNESS WHEREOF, the Parties have executed this Memorandum of Solar Power Generating Facility Land Option and Purchase Agreement, affecting the Property with assessor parcel number 3056-017-020, 3056-017-021 and 3056-017-007, as of the date first above written.

Seller:

OAKWOOD INVESTMENTS, LLC,
a California limited liability company

[redacted]

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) §
County of Los Angeles)

On 09/27/2022, before me, DAVID HYUN KIM a Notary Public, personally appeared [redacted] who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

Signature of Notary

DAVID HYUN KIM
COMM. #2308639
Notary Public - California
Los Angeles County
My Comm. Expires Nov. 9, 2023

(Affix seal here)

PALM INVESTMENT GROUP, LLC,
a Nevada limited liability company

[redacted]

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) §
County of LOS ANGELES)

On 09/29/2022, before me, DAVID HYUN KIM a Notary Public, personally appeared [redacted] who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

Signature of Notary

DAVID HYUN KIM
COMM. #2308639
Notary Public - California
Los Angeles County
My Comm. Expires Nov. 9, 2023

NRO1 NRO1

(Affix seal here)

Purchaser:

16DO 8ME LLC,
a Delaware limited liability company

By: _____
Name: Michael Healy
Title: Chief Commercial Officer of Avantus LLC, ultimate parent, duly authorized

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) §
County of Los Angeles)

On September 28, 2022, before me, Daniel Coltellaro a Notary Public, personally appeared Michael Healy who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

DANIEL COLTELLARO
Notary Public - California
Los Angeles County
Commission # 2293444
My Comm. Expires Jun 16, 2023

Signature of Notary

(Affix seal here)

EXHIBIT A

Legal Descriptions of Site

All that real property situated in the County of Los Angeles, State of California, bounded and described as follows:

LOT 1 AND LOT 2 OF TRACT NO. 41990, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 1081, PAGE(S) 80 TO 82 INCLUSIVE OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

APN: 3056-017-020
APN: 3056-017-021

THAT PORTION OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 28, TOWNSHIP 5 NORTH, RANGE 12 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT OF SAID LAND, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF SAID SOUTHEAST QUARTER, SAID POINT BEING THE BEGINNING OF A CURVE CONCAVE TO THE NORTHWEST AND HAVING A RADIUS OF 530 FEET, A RADIAL LINE OF SAID CURVE TO SAID POINT BEARS SOUTH 57° 49' 00" EAST; THENCE NORTHEASTERLY AND NORTHERLY ALONG SAID CURVE 172.47 FEET; THENCE NORTH 13° 32' 20" EAST 83.30 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTHEAST; TANGENT TO SAID LAST MENTIONED COURSE AND HAVING A RADIUS OF 170 FEET; THENCE NORTHEASTERLY ALONG SAID LAST MENTIONED CURVE 125.66 FEET TO THE SOUTHERLY LINE OF THE LAND DESCRIBED IN THE DEED TO STATE OF CALIFORNIA FOR PUBLIC HIGHWAY (KNOWN AS SIERRA HIGHWAY) RECORDED ON APRIL 12, 1951 AS INSTRUMENT NO. 3645 IN BOOK 36039, PAGE 398, OFFICIAL RECORDS OF SAID COUNTY; THENCE ALONG THE SOUTHERLY LINE OF THE LAND LAST DESCRIBED NORTH 73° 35' 56" EAST 417.77 FEET TO A POINT WHICH IS DISTANT SOUTH 16° 24' 04" EAST 100.00 FEET FROM THE EASTERLY TERMINUS OF THAT CERTAIN COURSE IN THE NORTHERLY LINE OF THE LAND DESCRIBED IN SAID DEED TO THE STATE OF CALIFORNIA, DESCRIBED AS HAVING A BEARING OF SOUTH 73° 35' 56" WEST AND A LENGTH OF 554.72 FEET, THENCE CONTINUING ALONG SAID SOUTHERLY LINE NORTH 73° 35' 56" EAST 456.35 FEET; THENCE SOUTH 28° 57' 04" EAST TO THE NORTHWESTERLY LINE OF THE SOUTHERN PACIFIC RAILROAD COMPANY RIGHT-OF-WAY, AS GRANTED BY AN ACT OF CONGRESS APPROVED MARCH 3, 1871; THENCE IN A SOUTHWESTERLY DIRECTION ALONG SAID NORTHWESTERLY LINE TO THE SOUTHERLY LINE OF SAID SOUTHEAST QUARTER; THENCE WESTERLY ALONG SAID SOUTHERLY LINE TO THE POINT OF BEGINNING.

EXCEPT THEREFROM THAT PORTION DEEDED TO THE STATE OF CALIFORNIA IN DEED RECORDED OCTOBER 15, 1962 AS INSTRUMENT NO. 1602, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE SOUTHERLY LINE OF THE LAND DESCRIBED IN THE DEED TO THE STATE OF CALIFORNIA FOR PUBLIC HIGHWAY KNOWN AS SIERRA HIGHWAY RECORDED IN BOOK 36039, PAGE 398, OF OFFICIAL RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DISTANT ALONG SAID SOUTHERLY LINE NORTH 73° 29' 49" EAST, 646.05 FEET FROM THE MOST EASTERLY CORNER OF THE PARCEL OF LAND (FOR SOLEDAD CANYON ROAD) DESCRIBED IN PARCEL 33-7 OF A FINAL DECREE OF

CONDEMNATION ENTERED IN CASE NO. 595106 SUPERIOR COURT, A CERTIFIED COPY OF SAID FINAL DECREE BEING RECORDED APRIL 1, 1953 IN BOOK 41368, PAGE 64 OF SAID OFFICIAL RECORDS; THENCE SOUTH 60° 56' 34" WEST, 822.75 FEET TO THE GENERAL EASTERLY LINE OF SAID PARCEL 33-7, THENCE ALONG SAID EASTERLY LINE NORTHERLY AND NORTHEASTERLY TO SAID MOST EASTERLY CORNER; THENCE ALONG SAID SOUTHERLY LINE OF SIERRA HIGHWAY NORTH 73° 29' 49" EAST, 646.05 FEET TO SAID POINT OF BEGINNING.

APN: 3056-017-007

OPTION TO PURCHASE REAL ESTATE

This OPTION TO PURCHASE REAL ESTATE (this "**Agreement**"), dated as of September 17, 2024 ("**Effective Date**"), is entered into by and between [redacted] ("**Owner**"), on one hand, and **Cedar Holdco LLC**, a Delaware limited liability company ("**Buyer**"), on the other hand.

WHEREAS, Owner is the owner of that certain real property located in Los Angeles County, California identified as Assessor's Parcel Number 3056-017-016 and consisting of approximately 5 acres, as generally depicted and/or described on Exhibit A attached hereto and made a part hereof for all purposes (such property, together with all improvements thereon and all rights, interests and appurtenances pertaining thereto or benefitting such property (including, but not limited to any and all mineral and water rights), is hereinafter referred to as the "**Property**").

WHEREAS, Buyer desires to obtain from Owner an exclusive option to purchase the Property.

NOW, THEREFORE, the parties hereto agree as follows:

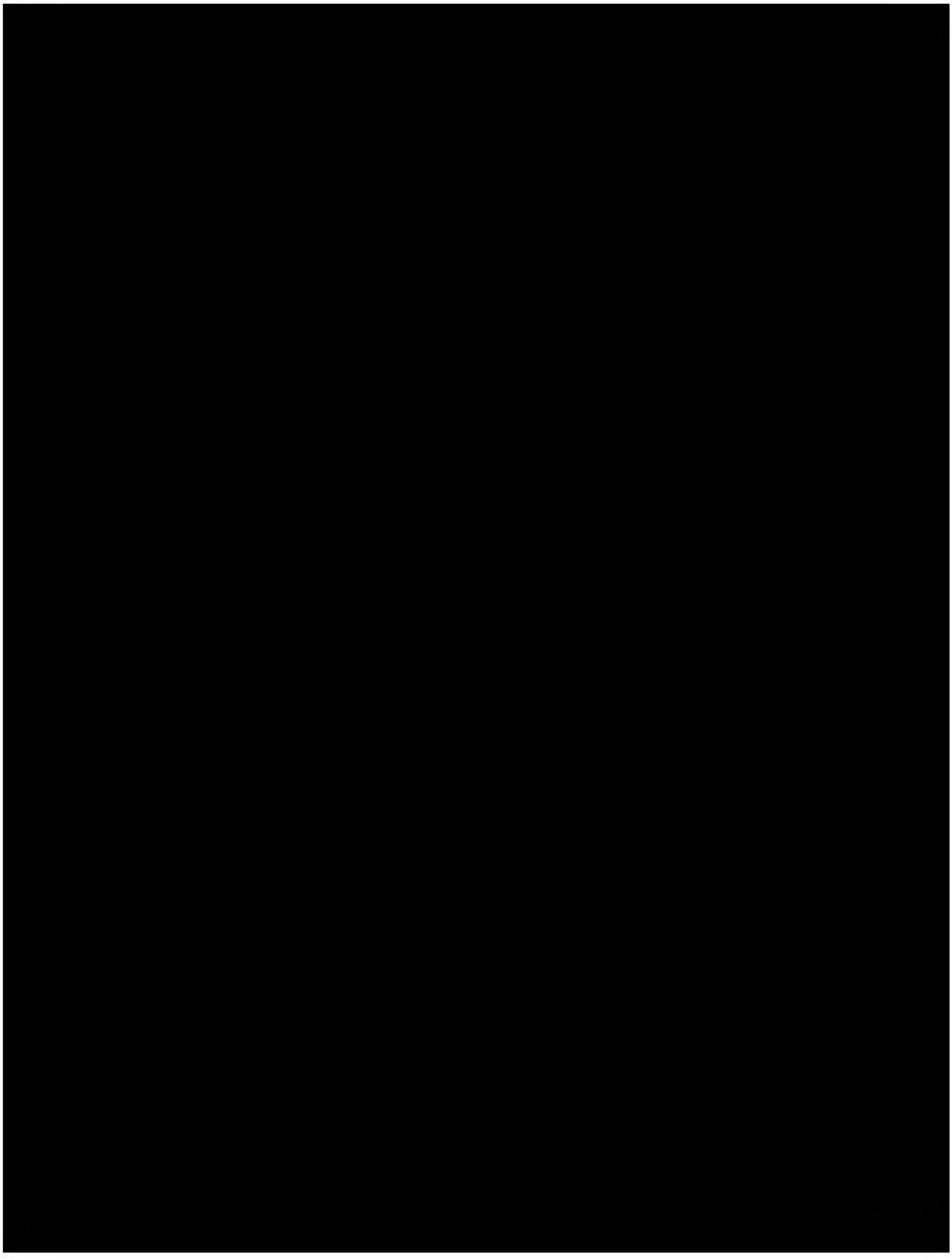
1. **Option**. For and in consideration of [redacted] (the "**Consideration Payment**") and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by Owner, Owner hereby grants to Buyer an exclusive right and option to purchase the Property (the "**Option**") at the Purchase Price (as hereinafter defined) and on the terms and conditions hereinafter set out. In addition, Buyer shall pay Owner the amount of [redacted] the "**Initial Option Payment**") by the date that is ninety (90) days after the Effective Date if Buyer elects if Buyer elects, in its sole discretion, to maintain the Option and proceed with the Option Term (as defined below). If Buyer does not pay the Initial Option Payment when required, then this Agreement shall terminate with the Consideration Payment being retained by Owner and the parties shall have no further rights or obligations under this Agreement.

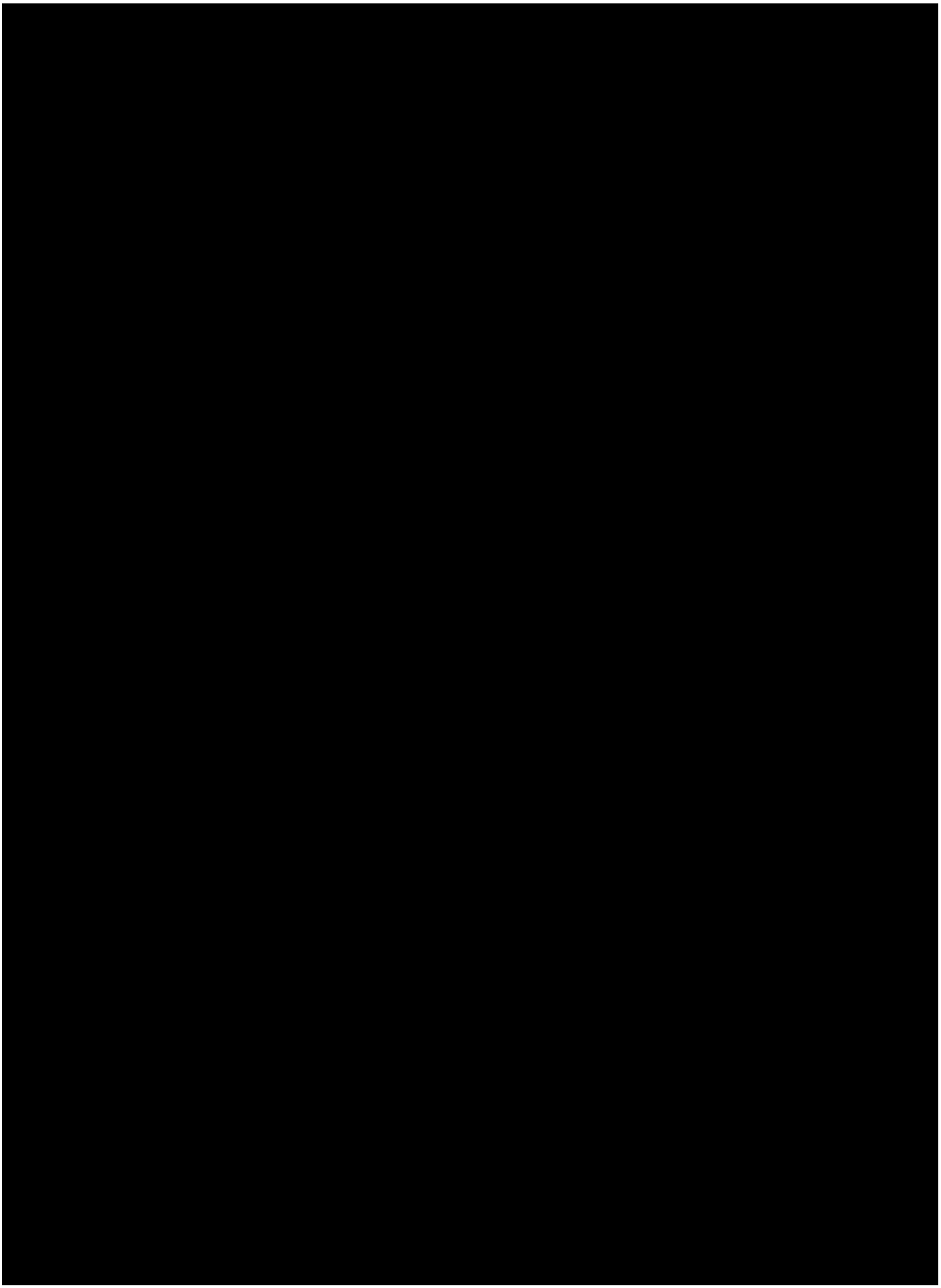
[redacted]

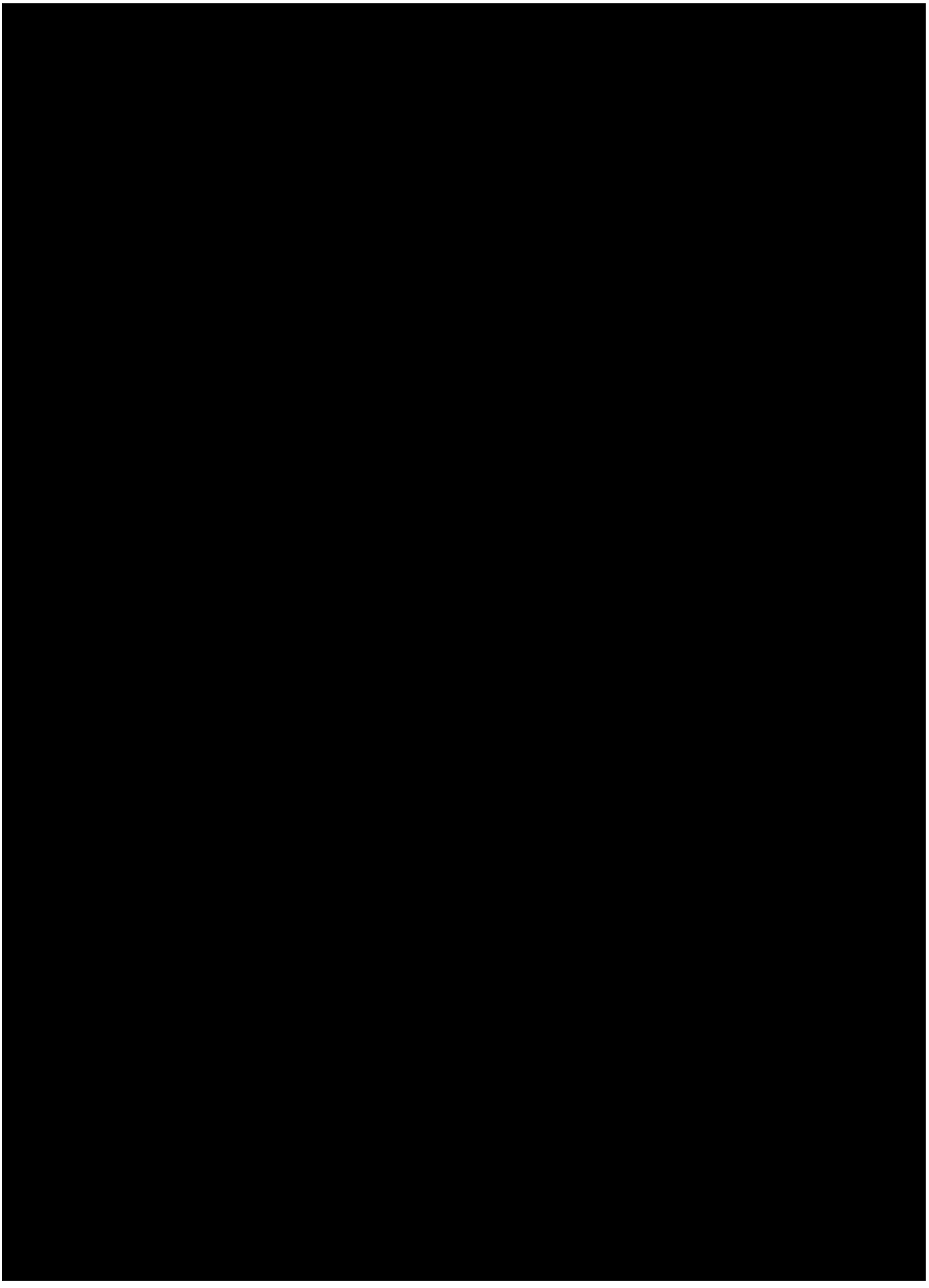
3. **Option Term**. The term of the Option herein granted is for a period commencing on the Effective Date and expiring at midnight on the day that is six (6) months after the Effective Date (the "**Initial Term**"; as may be extended pursuant to this Section 3, the "**Option Term**"); provided, however, Buyer may extend the Option Term an additional period of six (6) months), to twelve (12) months after the Effective Date (the "**First Extension Term**"), by the payment to Owner of the additional sum of [redacted] (the "**First Extension Payment**") prior to the expiration of the Initial Term

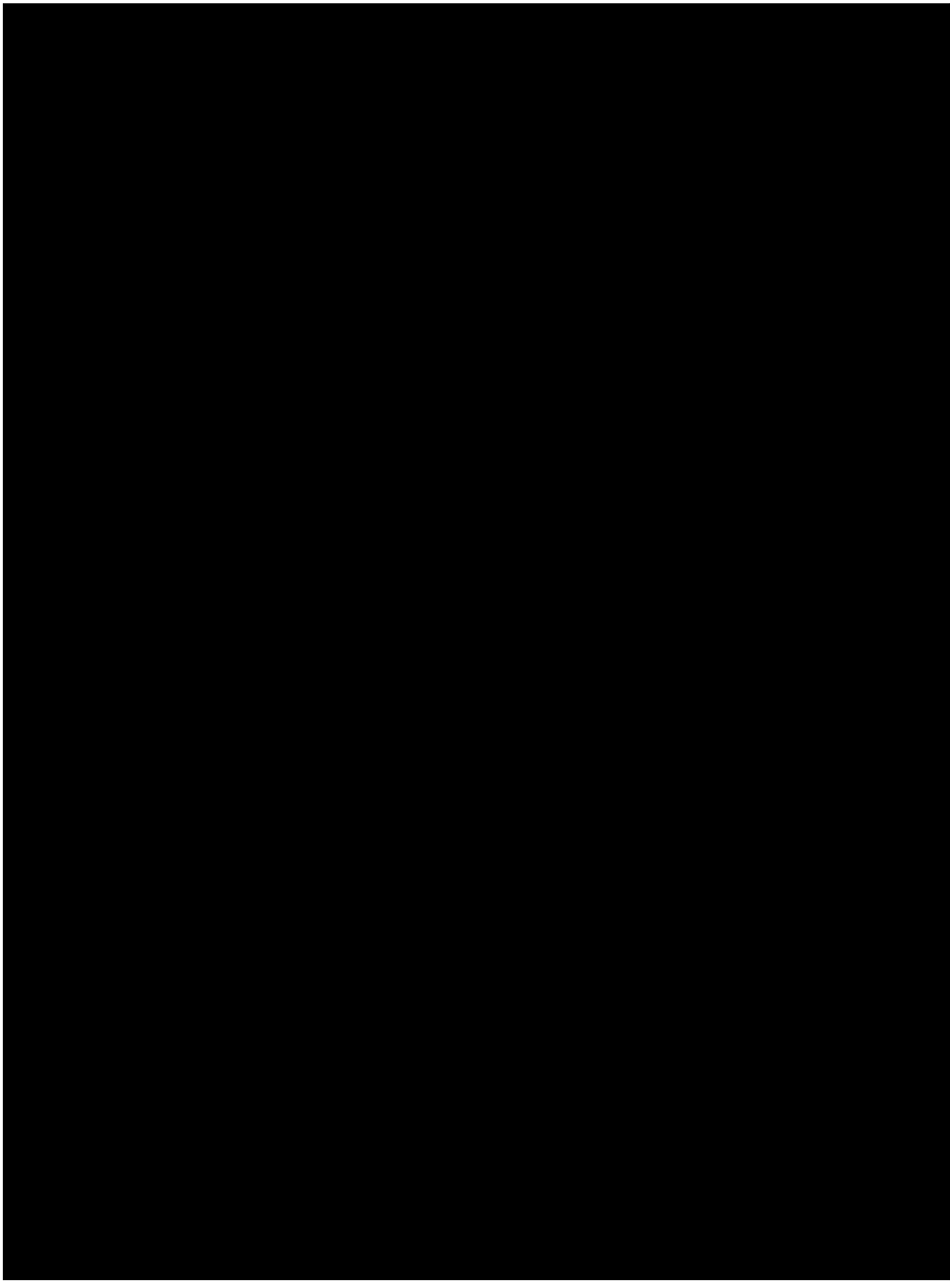
If the Option is not exercised by notice in writing prior to the expiration of the Option Term, then the Option shall expire, this Agreement shall terminate (with the Option Payments being retained by Owner) and the parties shall have no further rights or obligations under this Agreement. For purposes of this Agreement, "**Option Payments**" mean, collectively, the Consideration Payment, the Initial Option Payment and the First Extension Payment, each if and the extent funded by Buyer. Notwithstanding anything in this Agreement to the contrary, the Consideration Payment shall be paid to Owner and considered completely nonrefundable to Buyer in all events, it being the intent of the parties to recognize that such amount has been bargained for and agreed to as independent consideration for Buyer's exclusive right to purchase the Property pursuant to and in accordance with the terms of this Agreement, and for Owner's execution and delivery of this Agreement.

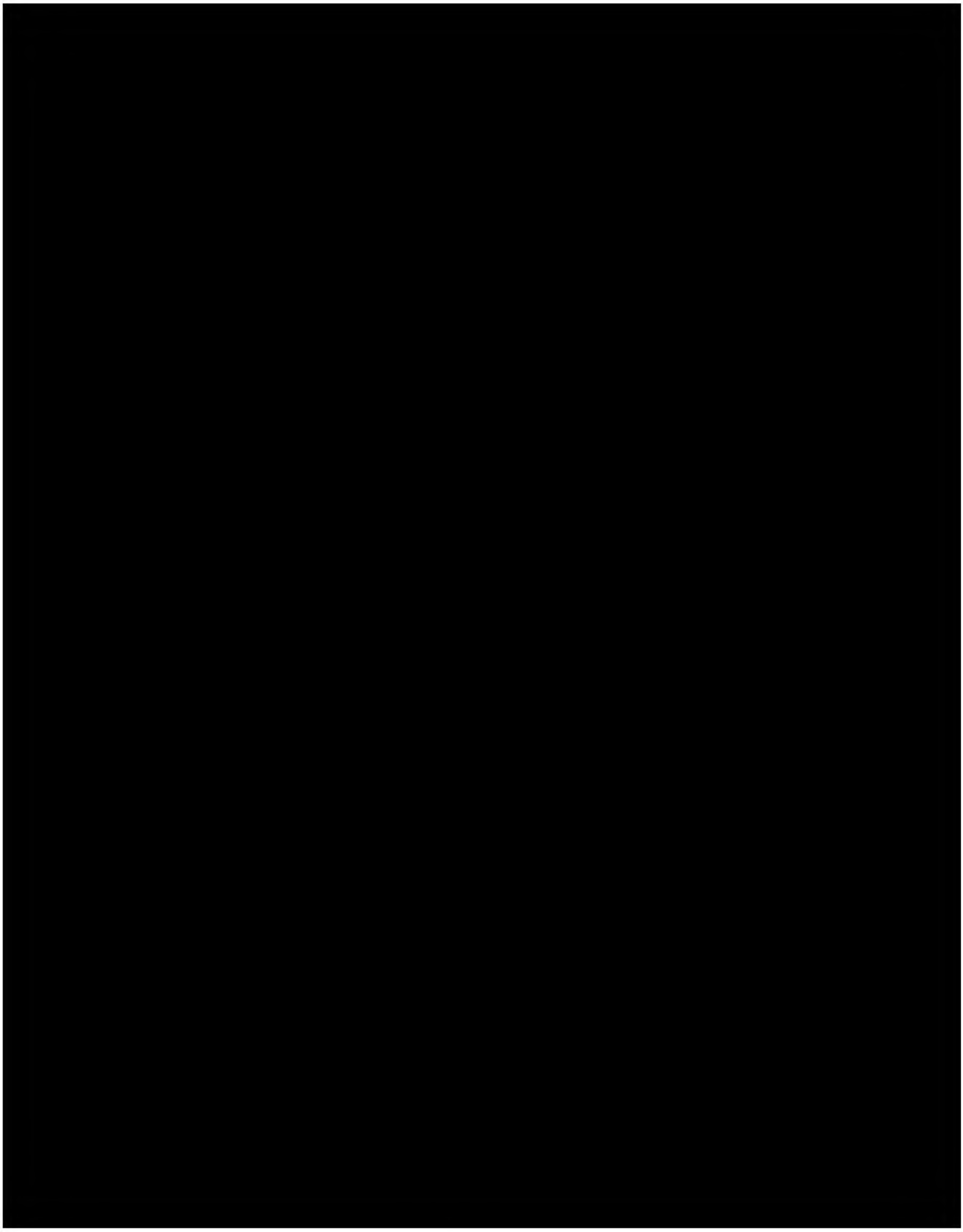
[redacted]











IN WITNESS WHEREOF, intending to be legally bound, the parties have caused this Agreement to be executed by their duly authorized representative with their respective signatures below.

OWNER:

By: [redacted]
Name: [redacted]
Title: [redacted]
Date: [redacted]

By: [redacted]
Name:
Title:
Date:

BUYER:

Cedar Holdco LLC
a Delaware limited liability company

By:
Name: Sam Littlefield
Title: EVP Development
Date: 24/09/20

EXHIBIT A

Property Description and/or Depiction

The Property is located on Kentucky Springs Road in Acton, Los Angeles County, California with the Assessor's Parcel Number of 3056-017-016 and is outlined in blue on the aerial picture below.

This page is part of your document - DO NOT DISCARD

[redacted]

Pages:
0007

Recorded/Filed in Official Records
Recorder's Office, Los Angeles County,
California

02/25/25 AT 03:13PM

FEES:	37.00
TAXES:	0.00
OTHER:	0.00
SB2:	75.00
PAID:	112.00

LEADSHEET

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015157129

SEQ:
01

SECURE - Daily

THIS FORM IS NOT TO BE DUPLICATED

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E13-2025022460[illegible]814

[redacted]

Recording Requested by:

And When Recorded Return to:

Ambar Power DevCo LLC
11801 Domain Blvd., Suite 450
Austin, TX 78758
Attn: Nate Crain

(SPACE ABOVE THIS LINE RESERVED FOR RECORDER'S USE)

APN(s): 3056-017-022

THE UNDERSIGNED OWNER DECLARES
DOCUMENTARY TRANSFER TAX is: None; Only for notice of agreement for purchase and sale of real property.

MEMORANDUM OF AMENDED AND RESTATED PURCHASE AND SALE AGREEMENT

This MEMORANDUM OF AMENDED AND RESTATED PURCHASE AND SALE AGREEMENT is made and entered into as of February 6, 2025 (the "**Effective Date**"), by and between **EKO, INC.**, a California corporation, on the one hand ("**Seller**"), and **Ambar Power DevCo LLC**, a Delaware limited liability company, on the other hand ("**Buyer**").

RECITALS:

A. Seller and Buyer are parties to that certain Amended and Restated Purchase and Sale Agreement, dated as of even date herewith (the "**Purchase Agreement**"), pursuant to which pursuant to which Seller has agreed to sell to Buyer certain real property located Los Angeles County, State of California, consisting of one (1) legal parcel identified as 3056-017-022 with a gross acreage of approximately ten (10) acres, as more particularly described on Exhibit "A" attached hereto (the "**Land**"), together with all of Seller's interest in any rights and/or interests (including, but not limited to, any mineral and water rights) benefitting or otherwise appurtenant to the Land (together with the Land, the "**Property**"). Capitalized terms used and not defined in this Memorandum have the meanings given to them in the Purchase Agreement.

B. Seller and Buyer now desire to provide for public notice of the existence of the Purchase Agreement and Buyer's rights thereunder.

NOW, THEREFORE, in consideration of the foregoing, the mutual covenants provided herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Seller and Buyer hereby agree as follows:

1. Purchase Agreement. Seller has agreed to sell the Property to Buyer on the terms and conditions set forth in the Purchase Agreement.

2. Escrow Term. Subject to the terms and conditions set forth in the Purchase Agreement, the date for closing of the sale of the Property shall be no later than October 15, 2026 ("Escrow Term").

3. Site Inspections and Evaluation. During the Escrow Term, Buyer and its agents, invitees, and contractors access to the Property without charge and at all reasonable times for the purpose of investigation and testing, including but not limited to making surveys and conducting soil tests, soil borings, appraisals, shading analysis and other site condition and suitability investigations, examinations and testings of, installations of solar resource evaluation equipment on, groundwater and structural analysis, engineering studies, core sampling for engineering reports, locating existing rights of way, easements, and utilities and evaluating the Property for distribution/transmission line connections to the local utility. Seller authorizes any governmental agency with jurisdiction over the Property, and each of their agents, consultants and employees to enter the Property for the purpose of making inspections related to the issuance of Permits.

4. Buyer's Development. As more particularly set forth in the Purchase Agreement, Seller consents to Buyer, its successors and/or assignees applying to any public agency for, prosecuting and obtaining any land use entitlements, permits, subdivisions and other approvals necessary or convenient for its desired use of the Property, including, but not limited to, zone changes, conditional use permits, variances, rights of way, any kind of environmental permit, and any other governmental permits, licenses and approvals.

5. No Further Encumbrances. During the Escrow Term, Seller shall not grant or permit (or otherwise amend or waive any rights with respect to) any easement, lien or other encumbrance to be filed against the Property without the prior written consent of Buyer.

6. Effect of Purchase Agreement; Interest in Real Property. The parties intend that the Purchase Agreement creates a valid and present interest in the Property in favor of Buyer. Therefore, the Purchase Agreement shall be deemed an interest in and encumbrance upon the Property which shall run with the land and shall be binding upon the Property and Seller and its successors and assigns and shall inure to the benefit of Buyer and its successors and assigns.

7. Miscellaneous. This Memorandum is prepared for the purpose of recordation in the Official Records of Los Angeles County, California to provide record notice of the existence of the Purchase Agreement and the rights of Buyer thereunder. In the event of any inconsistency between this Memorandum and the Purchase Agreement, the terms of the Purchase Agreement shall control. This Memorandum may be executed in multiple counterparts, each of which shall be deemed an original and all of which when taken together shall constitute one and the same document.

[Remainder of Page Intentionally Left Blank – Signature Page Follows]

IN WITNESS WHEREOF, the parties hereto have executed this Memorandum as of the dates in the acknowledgments below and to be effective as of the Effective Date.

SELLER:

EKO Inc.,
a California corporation

[redacted]

BUYER:

Ambar Power DevCo LLC,
a Delaware limited liability company

By: Stephen J. Bupp
Name: Stephen J. Bupp
Title: Assoc. Dir., Land + Title
Date: 2/24/2025

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) ss.
COUNTY OF LOS ANGELES)

On FEBRUARY 6, 2025, before me, MELINDA ESTRADA, Notary Public, personally appeared [redacted] who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of CA that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Melinda Estrada
Notary Public

MELINDA ESTRADA
Notary Public - California
Los Angeles County
Commission # 2351611
My Comm. Expires Mar 15, 2025

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF Texas)
) ss.
COUNTY OF Travis)

On February 24, 2025, before me, Marrett McLeod, Notary Public, personally appeared Stephen J. Bupp who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of ~~California~~ Texas that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Marrett McLeod
Notary Public

MARRETT McLEOD
Notary Public, State of Texas
Comm. Expires 06-01-2027
Notary ID 134387073

MARRETT MCLEOD
Notary Public, State of Texas
Comm. Expires 06-01-2027
Notary ID 134387073

EXHIBIT A

Land Description

All that real property situated in Los Angeles County, State of California consisting of one (1) legal parcel, described as follows:

Lot 3 of Tract No. 41990, in the unincorporated area, County of Los Angeles, State of California, as per Map recorded in Book 1081, Pages 80 to 82 Inclusive of Maps, In the Office of the County Recorder of said County.

APN 3056-017-022

Also Known as: APN 3056-017-022, Acton, CA 93550

FIRST AMENDMENT TO OPTION TO PURCHASE REAL ESTATE

This FIRST AMENDMENT TO OPTION TO PURCHASE REAL ESTATE (this "First Amendment") is made and entered into as of July 17, 2025 ("First Amendment Date"), by and between [redacted] a married man as his sole and separate property as to a fifty percent (50%) undivided interest and [redacted] a married woman as her sole and separate property as to a fifty percent (50%) undivided interest (collectively the "Owner"), and **Prairie Song Reliability Project LLC**, a Delaware limited liability company (**f/k/a 16DO 8ME LLC** a Delaware limited liability company) ("Buyer"; together with Owner, the "Parties" and each, a "Party"), with reference to the following facts:

RECITALS

A. Reference is hereby made to that certain Option to Purchase Real Estate dated August 18, 2022, between the Parties (the "Option Agreement").

B. Capitalized terms used and not defined in this First Amendment have the meanings given to them in the Option Agreement.

C. The Parties desire to amend the Option Agreement as provided in this First Amendment.

AMENDMENT

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the Parties agree as follows:

1. The following will be added to Section 2 (h) of the Option Agreement:

(iv) Year Four: An annual amount of [redacted]

The Year Four Purchase Option Payment will be made in advance of October 17, 2025 as an annual payment.

2. Section 4 of the Option Agreement is hereby deleted in its entirety and replaced with the following:

"4. **Purchase Price**. The purchase price (the "**Purchase Price**") for the Property shall be [redacted] The Purchase Price shall be due and payable to Seller in full on the Purchase Closing Date, provided, however, that any costs incurred by Purchaser under Sections 2(e) or 2(f) with respect to the Property, shall be credited through Escrow against the Purchase Price. Purchase Option Payments actually paid by the Buyer shall NOT be credited against the Purchase Price. Notwithstanding the foregoing, the Year Four Purchase Option Payment of [redacted] shall be credited towards the Purchase Price."

3. Section 2(a)(x) of the Option Agreement is hereby deleted in its entirety and replaced with the following:

"(x) **Purchase Option Period**. The Purchase Option Period (as defined below) shall be up to forty eight (48) months from the Purchase Option Start Date ("**Purchase Option Period**"). During the Purchase Option Period, Seller shall be responsible for all taxes, fees, costs, and expenses associated with the Property, except for those outlined explicitly herein."

[redacted]

BUYER:

Prairie Song Reliability Project LLC,
a Delaware limited liability company

By: _____

Name: Sam Littlefield

Title: Chief Development Officer

IN WITNESS WHEREOF, the Parties have caused this First Amendment to be executed and effective as of the First Amendment Date.

OWNER:

By: _____
Name:
Title:

By: _____
Name:
Title:

BUYER:

Prairie Song Reliability Project LLC,
a Delaware limited liability company

By: _____

Name: _____

Title: _____

This page is part of your document - DO NOT DISCARD

[redacted]

Recorded/Filed in Official Records
Recorder's Office, Los Angeles County,
California

08/30/22 AT 08:00AM

Pages:
0009

FEES:	43.00
TAXES:	0.00
OTHER:	0.00
SB2:	75.00
PAID:	118.00

LEADSHEET

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013634725

SEQ:
01

SECURE - 8:00AM

THIS FORM IS NOT TO BE DUPLICATED

E548170

MEMORANDUM OF TION - K

[redacted]

Recording Requested by:
FNTG Western Region Energy Services

Recording Requested By And)
When Recorded Mail to:)
)
16DO 8me LLC)
c/o 8minute Solar Energy LLC)
Attn: Transactions)
4370 Town Center Blvd., Suite 110
El Dorado Hills, CA 95762)
)
)
30089853

(Space above this line for Recorder's Use)

Los Angeles County, California
APN: 3056-017-026

MEMORANDUM OF
SOLAR POWER GENERATING FACILITY LAND OPTION AND PURCHASE AGREEMENT

THIS MEMORANDUM OF SOLAR POWER GENERATING FACILITY LAND OPTION AND PURCHASE AGREEMENT (***"Memorandum"***) is dated as of August 23, 2022, by and between [redacted] (collectively and jointly and severally, "***Seller***"), and **16DO 8ME LLC**, a Delaware limited liability company, or assignee ("***Purchaser***").

Seller is the owner of the real property described on Exhibit A ("***Property***"). Seller has granted and hereby does grant to Purchaser and Purchaser has accepted and hereby does accept from Seller, pursuant to the terms of that certain Solar Power Generating Facility Land Option and Purchase Agreement, with an effective date of August 18, 2022 (the "***Option Agreement***"), an option to purchase the Property pursuant to the terms of the Option Agreement.

This instrument is a memorandum of the Option Agreement and is subject to all of the terms, covenants and conditions provided in the unrecorded Option Agreement and in no way modifies the provisions of the Option Agreement. All of the terms, conditions, provisions, and covenants of the Option Agreement are hereby incorporated into this Memorandum by reference as though fully set forth herein. If the terms of this instrument are inconsistent with the terms of the Option Agreement, the terms of the Option Agreement shall prevail. This instrument may be executed in one or more counterparts, each of which, when so executed and delivered, shall be deemed an original, but all of which, taken together, shall constitute one and the same instrument. Unless otherwise defined herein, capitalized terms in this Memorandum have the meanings given them in the Option Agreement.

Seller and Purchaser have agreed to record this Memorandum to give notice of the Option Agreement and significant provisions thereof, including, without limitation, the following.

1. Existing Leases and Mortgages. Notwithstanding Section 2(e) in the Option Agreement, and subject to Section 3(a)(ii) in the Option Agreement, Seller may lease the Property to third-party tenants for the time period ending on the Purchase Closing Date, *provided,* that any Leases to be entered into by Seller after the Effective Date shall require Purchaser's prior written approval, which shall not unreasonably be withheld. Purchaser shall acquire the Property free and clear of any Mortgage. If Seller encumbers the property with a Mortgage, Seller agrees to fully cooperate with Purchaser to effect a removal of all Mortgages as of the Purchase Closing Date.

2. Option Period. The Purchase Option Period of the Option Agreement is thirty-six (36) months from the Purchase Option Period Start Date. Purchaser shall have the right to exercise the Purchase Option by delivering an Exercise Notice at any time prior to the Purchase Option Termination Date.

3. Termination. If Purchaser terminates the Option Agreement, then Purchaser will record a quitclaim deed and release of this Memorandum in the public records.

4. Right to Assign. Purchaser shall have the absolute right to assign the Option Agreement in its entirety or any of its rights, duties and/or obligations therein to any Assignee, provided that such Assignee assumes in writing all of Purchaser's rights, duties and obligations therein.

[redacted]

If to Purchaser:

16DO 8me LLC
c/o 8minute Solar Energy LLC
4370 Town Center Blvd., Suite 110
El Dorado Hills, CA 95762
Attn: Transactions

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the Parties have executed this Memorandum of Solar Power Generating Facility Land Option and Purchase Agreement, affecting the Property with assessor parcel number 3056-015-008, as of the date first above written.

Seller:

[redacted]

[redacted]

Purchaser:

16DO 8ME LLC,
a Delaware limited liability company

By: _____
Name: ~~Thomas Buttgenbach~~ Michael Healy
Title: ~~President~~ Chief Commercial Officer of 8minute Power LLC, ultimate parent, duly authorized

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) §
County of Los Angeles)

On August 16, 2022, before me, Carmen M. Ecker, Notary Public, a Notary Public, personally appeared [redacted] who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

CARMEN M. ECKER
Notary Public - California
Los Angeles County
Commission # 2389105
My Comm. Expires Jan 29, 2026

Carmen M. Ecker
Signature of Notary

(Affix seal here)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) §
County of Los Angeles)

On August 16, 2022 , before me, Carmen M. Ecker, Notary Public a Notary Public, personally appeared [redacted] who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

CARMEN M. ECKER
Notary Public - California
Los Angeles County
Commission # 2389105
My Comm. Expires Jan 29, 2026

Carmen M. Ecker
Signature of Notary

(Affix seal here)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) §
County of Los Angeles)

On August 23, 2022, before me, Daniel Coltellaro a Notary Public, personally appeared Michael Healy who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(s),~~ or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

Signature of Notary

DANIEL COLTELLARO
Notary Public - California
Los Angeles County
Commission # 2293444
My Comm. Expires Jun 16, 2023

(Affix seal here)

EXHIBIT A

Legal Descriptions of Site

All that real property situated in the County of Los Angeles, State of California, bounded and described as follows:

LOT 7 OF TRACT NO. 41990, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 1081, PAGE(S) 80 TO 82, INCLUSIVE OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

APN: 3056-017-026

This page is part of your document - DO NOT DISCARD

[redacted]

Recorded/Filed in Official Records
Recorder's Office, Los Angeles County, California

02/09/23 AT 08:00AM

Pages: 0009

FEES:	65.00
TAXES:	0.00
OTHER:	0.00
SB2:	150.00
PAID:	215.00

LEADSHEET

202302090120008

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013910045

SEQ: 01

SECURE - 8:00AM

THIS FORM IS NOT TO BE DUPLICATED

E 6662606

Accom-ML

Recording Requested By And
When Recorded Mail to:

16DO 8me LLC
c/o Avantus Clean Energy
Attn: Transactions
4370 Town Center Blvd., Suite 110
El Dorado Hills, CA 95762

(Space above this line for Recorder's Use)

Los Angeles County, California
APN: 3056-017-027 and 3056-017-028

MEMORANDUM OF
SOLAR POWER GENERATING FACILITY LAND OPTION AND PURCHASE AGREEMENT

THIS MEMORANDUM OF SOLAR POWER GENERATING FACILITY LAND OPTION AND PURCHASE AGREEMENT (***"Memorandum"***) is dated as of January 26, 2023 ~~2022,~~ by and between [redacted] a single man, or assignee (***"Seller"***), and 16DO 8ME LLC, a Delaware limited liability company, or assignee (***"Purchaser"***).

Seller is the owner of the real property described on Exhibit A (***"Property"***). Seller has granted and hereby does grant to Purchaser and Purchaser has accepted and hereby does accept from Seller, pursuant to the terms of that certain Solar Power Generating Facility Land Option and Purchase Agreement, with an effective date of December 9, 2022 (the ***"Option Agreement"***), an option to purchase the Property pursuant to the terms of the Option Agreement.

This instrument is a memorandum of the Option Agreement and is subject to all of the terms, covenants and conditions provided in the unrecorded Option Agreement and in no way modifies the provisions of the Option Agreement. All of the terms, conditions, provisions, and covenants of the Option Agreement are hereby incorporated into this Memorandum by reference as though fully set forth herein. If the terms of this instrument are inconsistent with the terms of the Option Agreement, the terms of the Option Agreement shall prevail. This instrument may be executed in one or more counterparts, each of which, when so executed and delivered, shall be deemed an original, but all of which, taken together, shall constitute one and the same instrument. Unless otherwise defined herein, capitalized terms in this Memorandum have the meanings given them in the Option Agreement.

Seller and Purchaser have agreed to record this Memorandum to give notice of the Option Agreement and significant provisions thereof, including, without limitation, the following.

Non-Order Search
[redacted]
Page 2 of 9
Requested By: Socorro Bagsik , Printed: 7/18/2023 8:32 AM

1. **Existing Leases and Mortgages.** Notwithstanding Section 2(e) in the Option Agreement, and subject to Section 3(a)(ii) in the Option Agreement, Seller may lease the Property to third-party tenants for the time period ending on the Purchase Closing Date, *provided,* that any Leases to be entered into by Seller after the Effective Date shall require Purchaser's prior written approval, which shall not unreasonably be withheld. Purchaser shall acquire the Property free and clear of any Mortgage. If Seller encumbers the property with a Mortgage, Seller agrees to fully cooperate with Purchaser to effect a removal of all Mortgages as of the Purchase Closing Date.

2. **Option Period.** The Purchase Option Period of the Option Agreement is thirty-six (36) months from the Purchase Option Period Start Date. Purchaser shall have the right to exercise the Purchase Option by delivering an Exercise Notice at any time prior to the Purchase Option Termination Date.

3. **Termination.** If Purchaser terminates the Option Agreement, then Purchaser will record a quitclaim deed and release of this Memorandum in the public records.

4. **Right to Assign.** Purchaser shall have the absolute right to assign the Option Agreement in its entirety or any of its rights, duties and/or obligations therein to any Assignee, provided that such Assignee assumes in writing all of Purchaser's rights, duties and obligations therein.

5. **Notices.** All notices, requests, statements or payments will be made to the addresses and persons specified below. All notices, requests, statements or payments will be made in writing except where the Option Agreement expressly provides that notice may be made orally. Notices required to be in writing will be delivered by hand delivery, overnight delivery, or e-mail (so long as a copy of such e-mail notice is provided immediately thereafter in accordance with the requirements of this Section 5 by hand delivery or overnight delivery, unless confirmation of successful transmission is received). Notice by hand delivery or overnight delivery will be deemed to have been received when delivered. Notice by e-mail will be deemed to have been received when such e-mail is transmitted, so long as a copy of such e-mail notice is delivered immediately thereafter by hand delivery or overnight delivery unless confirmation of successful transmission is received. When notice is permitted to be provided orally, notice by telephone will be permitted and will be deemed to have been received at the time the call is received. A Party may change its address by providing notice of the same in accordance with the provisions of this Section 5.

If to Seller:

[redacted]

Non-Order Search Page 3 of 9 Requested By: Socorro Bagsik , Printed: 7/18/2023 8:32 AM
[redacted]

If to Purchaser:

16DO 8me LLC
c/o Avantus Clean Energy
4370 Town Center Blvd., Suite 110
El Dorado Hills, CA 95762
Attn: Transactions

[SIGNATURE PAGE FOLLOWS]

Non-Order Search Page 4 of 9 Requested By: Socorro Bagsik , Printed: 7/18/2023 8:32 AM
[redacted]

IN WITNESS WHEREOF, the Parties have executed this Memorandum of Solar Power Generating Facility Land Option and Purchase Agreement, affecting the Property with assessor parcel numbers 3056-017-027 and 3056-017-028, as of the date first above written.

Seller:

[redacted]
a single man

By: [redacted]
Name:

Purchaser:

16DO 8ME LLC,
a Delaware limited liability company

By: Signed in counterpart
Name:
Title:

Non-Order Search Page 5 of 9 Requested By: Socorro Bagsik , Printed: 7/18/2023 8:32 AM
[redacted]

IN WITNESS WHEREOF, the Parties have executed this Memorandum of Solar Power Generating Facility Land Option and Purchase Agreement, affecting the Property with assessor parcel numbers 3056-017-027 and 3056-017-028, as of the date first above written.

Seller:

[redacted]
a single man

By: Signed in counterpart
Name: [redacted]

Purchaser:

16DO 8ME LLC,
a Delaware limited liability company

By:
Name: Thomas Buttgenbach
Title: President

Non-Order Search Page 6 of 9 Requested By: Socorro Bagsik , Printed: 7/18/2023 8:32 AM
[redacted]

EXHIBIT A

Legal Descriptions of Site

All that real property situated in the County of Los Angeles, State of California, bounded and described as follows:

LOTS 8 AND 9 OF TRACT 41990, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 1081, PAGES 80 TO 82, INCLUSIVE OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

APN: 3056-017-027
APN: 3056-017-028

1

Non-Order Search [redacted]

Requested By: Socorro Bagsik , Printed: 7/18/2023 8:32 AM

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) §
County of Los Angeles)

On January 26, 2023, before me, Daniel Coltellaro a Notary Public, personally appeared [redacted] who proved to me on the basis of satisfactory evidence to be the person(~~s~~) whose name(~~s~~) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(~~ies~~), and that by his/~~her/their~~ signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

Signature of Notary

DANIEL COLTELLARO
Notary Public - California
Los Angeles County
Commission # 2293444
My Comm. Expires Jun 16, 2023

(Affix seal here)

Non-Order Search [redacted] Page 8 of 9 Requested By: Socorro Bagsik , Printed: 7/18/2023 8:32 AM

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) §
County of Los Angeles)

On January 19, 2023, before me, Daniel Coltellaro a Notary Public, personally appeared Thomas Buttgenbach who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

DANIEL COLTELLARO
Notary Public - California
Los Angeles County
Commission # 2293444
My Comm. Expires Jun 16, 2023

Signature of Notary

(Affix seal here)

Non-Order Search Page 9 of 9 Requested By: Socorro Bagsik , Printed: 7/18/2023 8:32 AM
[redacted]

AMENDMENT TO OPTION AND PURCHASE AGREEMENT

This AMENDMENT TO OPTION AND PURCHASE AGREEMENT (this "Amendment") is made and entered into as of April 1, 2025 ("Amendment Date"), by and between [redacted] as his sole and separate property, on the one hand ("Seller"), and 16DO 8ME LLC, a Delaware limited liability company, on the other hand ("Purchaser"; together with Seller, the "Parties" and each, a "Party"), with reference to the following facts:

RECITALS

A. Reference is hereby made to that certain Solar Power Generating Facility Land Option and Purchase Agreement dated July 11, 2023 between the Parties ("Purchase Agreement").

B. Purchaser delivered the Purchase Option Notice on November 8, 2023, which date was the Purchase Option Period Start Date.

C. Capitalized terms used and not defined in this Amendment have the meanings given to them in the Purchase Agreement.

D. The Parties desire to amend the Purchase Agreement as provided in this Amendment.

AMENDMENT

NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the Parties agree as follows:

1. Purchase Option Period. The definition of Purchase Option Period set forth in Section 2(a)(x) of the Purchase Agreement is hereby amended to mean a period of time commencing on the Purchase Option Period Start Date and continuing for twelve (12) months thereafter ("First Option Period" as may be extended pursuant to this Section 1, collectively, the "Purchase Option Period"); provided, however, that Purchaser may extend the Purchase Option Period as follows by the payment of the Purchase Option Periods as set forth in Section 2(h), as amended hereby:

(a) an additional period of twelve (12) months, to midnight twenty-four (24) months after the Purchase Option Period Start Date ("Second Option Period");

(b) an additional period of twelve (12) months, to midnight thirty-six (36) months after the Purchase Option Period Start Date ("Third Option Period"); and

(c) an additional period of twelve (12) months, to midnight forty-eight (48) months after the Purchase Option Period Start Date ("Fourth Option Period").

For the avoidance of doubt, all references to Purchase Option Period in the Purchase Agreement shall mean the Purchase Option Period, as may be extended as set forth herein. For clarity, in the event that all options to extend the Purchase Option Period are exercised, the expiration of the Purchase Option Period shall be November 8, 2027.

Purchase Option Payments. Section 2(h) of the Purchase Agreement is hereby amended to

[redacted]

2(h) of the Purchase Agreement, due every 1st day of the next calendar quarter, defined as January 1st, April 1st, July 1st and October 1st.

[redacted]

For the avoidance of doubt, the following will be the Purchase Option Payment deadlines going forward:

[redacted]

MA

[redacted]

7. Entire Agreement. This Amendment (together with the Purchase Agreement) constitutes the entire understanding of the Parties with respect to the subject matter described herein and therein, and all prior agreements, representations, and understandings between the Parties with respect thereto, whether oral or written, are deemed null, all of the foregoing having been merged into this Amendment. This Amendment shall be governed by the laws of the State of California.

[Remainder of Page Intentionally Left Blank – Signature Pages Follow]

IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed to be effective as of the Amendment Date.

Seller:

[redacted]

Purchaser:

18DO 8ME LLC,
a Delaware limited liability company

By: _____
Name: _____
Title: _____

IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed to be effective as of the Amendment Date.

Seller:

[redacted]

Purchaser:

16DO 8ME LLC,
a Delaware limited liability company

By: _____
Marc Atlas (Apr 17, 2025 10:07 CDT)
Name: Marc Atlas
Title: CFO

This page is part of your document - DO NOT DISCARD

[redacted]

Recorded/Filed in Official Records
Recorder's Office, Los Angeles County,
California

07/28/23 AT 08:00AM

Pages:
0009

FEES:	65.00
TAXES:	0.00
OTHER:	0.00
SB2:	150.00
PAID:	215.00

LEADSHEET

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00023642958

014193777

SEQ:
01

SECURE - 8:00AM

THIS FORM IS NOT TO BE DUPLICATED

E534011

30089249-MLR-SH

FOR REFERENCE ONLY: [redacted]

Recording Requested by:
FNTG Western Region Energy Services

Recording Requested By And)
When Recorded Mail to:)
)
16DO 8me LLC)
c/o Avantus Clean Energy LLC)
Attn: Transactions)
4370 Town Center Blvd, Ste. 110)
El Dorado Hills, CA 95762)

30089249

(Space above this line for Recorder's Use)

Los Angeles County, California
APN: 3056-019-013

MEMORANDUM OF
SOLAR POWER GENERATING FACILITY LAND OPTION AND PURCHASE AGREEMENT

THIS MEMORANDUM OF SOLAR POWER GENERATING FACILITY LAND OPTION AND PURCHASE AGREEMENT ("***Memorandum***") is dated as of July 19, 2023, by and between [redacted] as his sole and separate property, or assignee ("***Seller***"), and 16DO 8me LLC, a Delaware limited liability company, or assignee ("***Purchaser***").

Seller is the owner of the real property described on Exhibit A ("***Property***"). Seller has granted and hereby does grant to Purchaser and Purchaser has accepted and hereby does accept from Seller, pursuant to the terms of that certain Solar Power Generating Facility Land Option and Purchase Agreement with an effective date of July 11, 2023 by and between Seller and Purchaser (the "***Purchase Agreement***"), an option to purchase the Property pursuant to the terms of the Purchase Agreement.

This instrument is a memorandum of the Purchase Agreement and is subject to all of the terms, covenants and conditions provided in the unrecorded Purchase Agreement and in no way modifies the provisions of the Purchase Agreement. If the terms of this instrument are inconsistent with the terms of the Purchase Agreement, the terms of the Purchase Agreement shall prevail. This instrument may be executed in one or more counterparts, each of which, when so executed and delivered, shall be deemed an original, but all of which, taken together, shall constitute one and the same instrument. Unless otherwise defined herein, capitalized terms in this Memorandum have the meanings given them in the Purchase Agreement.

Seller and Purchaser have agreed to record this Memorandum to give notice of the Purchase Agreement and significant provisions thereof, including, without limitation, the following.

1. **Existing Leases and Mortgages.** Notwithstanding Section 2(d) in the Purchase Agreement, and subject to Section 3(a)(ii) in the Purchase Agreement, Seller may lease the Property to third-party tenants for the time period ending on the Purchase Closing Date, *provided,* that any Leases to be entered into by Seller after the Effective Date shall require Purchaser's prior written approval, which shall not unreasonably be withheld. Purchaser shall acquire the Property free and clear of any Mortgage. If Seller encumbers the property with a Mortgage, Seller agrees to fully cooperate with Purchaser to effect a removal of all Mortgages as of the Purchase Closing Date.

2. **Option Period.** The Purchase Option Period of the Purchase Agreement is twenty-four (24) months from the Purchase Option Period Start Date. Purchaser shall have the right to exercise the Purchase Option by delivering an Exercise Notice at any time prior to the Purchase Option Period Termination Date.

3. **Termination.** If Purchaser terminates the Purchase Agreement, then Purchaser will record a quitclaim deed and release of this Memorandum in the public records.

4. **Right to Assign.** Purchaser shall have the absolute right to assign the Purchase Agreement in its entirety or any of its rights, duties and/or obligations therein to any Assignee, provided that such Assignee assumes in writing all of Purchaser's rights, duties and obligations therein.

[redacted]

If to Seller:

[redacted]

If to Purchaser:

16DO 8me LLC
c/o Avantus Clean Energy LLC
Attn: Transactions
4370 Town Center Blvd, Ste. 110
El Dorado Hills, CA 95762

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the Parties have executed this Memorandum of Solar Power Generating Facility Land Option and Purchase Agreement, affecting the Property with assessor parcel number 3056-019-013, as of the date first above written.

SELLER:

[redacted]

PURCHASER:

16DO 8ME LLC,
a Delaware limited liability company

Signed In Counterpart

By: _____
Name: _____
Title: _____

IN WITNESS WHEREOF, the Parties have executed this Memorandum of Solar Power Generating Facility Land Option and Purchase Agreement, affecting the Property with assessor parcel number 3056-019-013, as of the date first above written.

SELLER:

[redacted]

PURCHASER:

16DO 8ME LLC,
a Delaware limited liability company

By: _____
Name: Stephanie Perry
Title: Chief Operating Officer of Avantus LLC, ultimate parent, duly authorized

EXHIBIT A

Legal Descriptions of Site

All that real property situated in the County of Los Angeles, State of California, bounded and described as follows:

That portion of the Southwest quarter of the Southwest quarter of the Southwest quarter of Section 28, Township 5 North, Range 12 West, San Bernardino Base and Meridian, in the County of Los Angeles, State of California, according to the Official Plat of said land lying Northerly line of Soledad Canyon Road, as described In the Resolution Adopted by the Board of Supervisors of the County of Los Angeles on June 10, 1952, recorded June 19, 1952 as Instrument No .. 1718 In Book 39197, Page 426, Official Records In the office of the County Recorder of said County.

APN: 3056-019-013

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) §
County of Los Angeles)

On July 11th, 2023, before me, Veronica Lillian Pope Notary Public, personally appeared [redacted] who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

Signature of Notary

VERONICA LILLIAN POPE
Notary Public - California
Los Angeles County
Commission # 2310298
My Comm. Expires Oct 24, 2023

(Affix seal here)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) §
County of San Francisco)

On 7/19/2023, before me, Jon Gary Harris a Notary Public, personally appeared Stephanie Perry who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

Signature of Notary

(Affix seal here)

JON GARY HARRIS
Notary Public - California
San Francisco County
Commission # 2396310
My Comm. Expires Mar 9, 2026

This page is part of your document - DO NOT DISCARD

[redacted]

Recorded/Filed in Official Records
Recorder's Office, Los Angeles County,
California

10/30/24 AT 08:00AM

Pages:
0008

FEES:	40.00
TAXES:	0.00
OTHER:	0.00
SB2:	75.00
PAID:	115.00

LEADSHEET

202410300140036

00024922620

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SEQ:
02

SECURE - 8:00AM

THIS FORM IS NOT TO BE DUPLICATED

E441953

ACCOM-ML-1000-CH

[redacted]

Recording Requested By And
When Recorded Mail to:

16DO 8me LLC
c/o Avantus Clean Energy LLC
Attn: Transactions
4370 Town Center Blvd., Ste. 110
El Dorado Hills, CA 95762

(Space above this line for Recorder's Use)

Los Angeles County, California
APNs: 3056-019-026

MEMORANDUM OF
LAND OPTION AND PURCHASE AGREEMENT

THIS MEMORANDUM OF LAND OPTION AND PURCHASE AGREEMENT (***"Memorandum"***) is dated as of October 22, 2024, by and between [redacted] or assignee (***"Seller"***), and **16DO 8ME LLC**, a Delaware limited liability company, or assignee (***"Purchaser"***).

Seller is the owner of the real property described on Exhibit A (***"Property"***). Seller has granted and hereby does grant to Purchaser and Purchaser has accepted and hereby does accept from Seller, pursuant to the terms of that certain Land Option and Purchase Agreement, with an effective date of October 4, 2024 (the ***"Purchase Agreement"***), an option to purchase the Property pursuant to the terms of the Purchase Agreement.

This instrument is a memorandum of the Purchase Agreement and is subject to all of the terms, covenants and conditions provided in the unrecorded Purchase Agreement and in no way modifies the provisions of the Purchase Agreement. If the terms of this instrument are inconsistent with the terms of the Purchase Agreement, the terms of the Purchase Agreement shall prevail. This instrument may be executed in one or more counterparts, each of which, when so executed and delivered, shall be deemed an original, but all of which, taken together, shall constitute one and the same instrument. Unless otherwise defined herein, capitalized terms in this Memorandum have the meanings given them in the Purchase Agreement.

Seller and Purchaser have agreed to record this Memorandum to give notice of the Purchase Agreement and significant provisions thereof, including, without limitation, the following.

1. Existing Leases and Mortgages. Notwithstanding Section 2(e) in the Purchase Agreement, and subject to Section 3(a)(ii) in the Purchase Agreement, Seller may lease the Property to third-party tenants for the time period ending on the Purchase Closing Date, *provided,* that any Leases to be entered into by Seller after the Effective Date shall require Purchaser's prior written approval, which shall not unreasonably be withheld. Purchaser shall acquire the Property free and clear of any Mortgage. If Seller encumbers the property with a Mortgage, Seller agrees to fully cooperate with Purchaser to effect a removal of all Mortgages as of the Purchase Closing Date.

2. Purchase Option Term. The Purchase Option Term of the Purchase Agreement is twenty-four (24) months from the Purchase Option Term Start Date. Purchaser shall have the right to exercise the

Purchase Option by delivering an Exercise Notice at any time prior to the Purchase Option Term Termination Date.

3. **Termination.** If Purchaser terminates the Purchase Agreement, then Purchaser will record a quitclaim deed and release of this Memorandum in the public records.

4. **Right to Assign.** Purchaser shall have the absolute right to assign the Purchase Agreement in its entirety or any of its rights, duties and/or obligations therein to any Assignee, provided that such Assignee assumes in writing all of Purchaser's rights, duties and obligations therein.

[redacted]

If to Seller:

[redacted]

If to Purchaser:

16DO 8me LLC
c/o Avantus Clean Energy LLC
Attn: Transactions
4370 Town Center Blvd., Ste. 110
El Dorado Hills, CA 95762

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the Parties have executed this Memorandum of Land Option and Purchase Agreement, as of the date first above written.

SELLER:

[redacted]

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) §
County of LOS ANGELES)

On 10/04/2024 before me KEVIN SMITH a Notary Public, personally appeared [redacted] who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

Signature of Notary

KEVIN SMITH
COMM. 2405549 NOTARY PUBLIC
THE GREAT SEAL OF THE STATE OF CALIFORNIA
CALIFORNIA
LOS ANGELES COUNTY
MY COMM. EXPIRES MAY 25, 2026

(Affix Seal Here)

[redacted]

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) §
County of LOS ANGELES)

On 10/04/2024, before me KEVIN SMITH a Notary Public, personally appeared [redacted] who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

Signature of Notary

KEVIN SMITH COMM. 2405549 NOTARY PUBLIC MFR. NXG1 THE OFFICIAL SEAL OF THE STATE OF CALIFORNIA NOTARY PUBLIC CALIFORNIA LOS ANGELES COUNTY MY COMM. EXPIRES MAY 25, 2028

(Affix seal here)

GOVERNMENT CODE 27361.7

I certify under penalty of perjury that the notary seal on the document to which this statement is attached reads as follows:

Name of Notary : KEVIN SMITH

Notary Identification Number : 2405549

Vender Identification Number : NXC1

County/State Where Bond Is Filed : LOS ANGELES, CA

Commission Exp Date: MAY 25, 2026

Executed in NEWPORT BEACH, State of California

[redacted]

Government Code 27361.7

I certify under penalty of perjury that the illegible portion of this document, to which this statement is attached read as follows:

(Affix seal here)

THE GREAT SEAL OF THE STATE OF CALIFORNIA

[redacted]

PURCHASER:

16DO 8ME LLC,
a Delaware limited liability company

By: _____
Name: Stephanie Peory
Title: Chief Operating Officer of Aventus LLC, duly authorized

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) §
County of Los Angeles)

On October 22, 2024, before me, Daniel Coltellaro a Notary Public, personally appeared Stephanie Peory who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that ~~he~~/she/~~they~~ executed the same in ~~his~~/her/~~their~~ authorized capacity(~~ies~~), and that by ~~his~~/her/~~their~~ signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

_____
Signature of Notary

DANIEL COLTELLARO
Notary Public - California
Los Angeles County
Commission # 2460819
My Comm. Expires Aug 25, 2027

(Affix seal here)

EXHIBIT A

Legal Descriptions of Site

All that real property situated in the Area of Acton, County of Los Angeles, State of California, bounded and described as follows:

That portion of the East Half of the Northeast Quarter of the Southwest Quarter of Section 28, Township 5 North, Range 12 West, San Bernardino Meridian, in the County of Los Angeles, State of California, according to the Official Plat of said land filed in the District Land Office on April 22, 1880, lying Southeasterly of the Southeasterly line of Soledad Canyon Road.

APN: 3056-019-026

This page is part of your document - DO NOT DISCARD

[redacted]

Recorded/Filed in Official Records
Recorder's Office, Los Angeles County,
California

05/24/23 AT 08:00AM

Pages:
0005

FEES:	31.00
TAXES:	742.50
OTHER:	0.00
PAID:	773.50

LEADSHEET

202305240240002

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SEQ:
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SECURE - 8:00AM

THIS FORM IS NOT TO BE DUPLICATED

E497026

Grant DEED with 1 COR

FOR REFERENCE ONLY: 20230336665

RECORDING REQUESTED BY

AND WHEN RECORDED MAIL TO:

16DO 8ME LLC, a Delaware limited liability company
4370 Town Center Boulevard, Suite 10
El Dorado Hills, CA 95762

ORDER NO.:
Escrow No. **30089430-014**
Parcel No. **3056-019-037**

SPACE ABOVE THIS LINE FOR RECORDER'S USE

GRANT DEED

THE UNDERSIGNED GRANTOR(s) DECLARE(s)
☑ unincorporated area
☐ the city of **Los Angeles**

Documentary Transfer Tax is $742.50 City Tax $0
☑ computed on full value of interest or property conveyed, or
☐ full value less value of liens or encumbrances remaining at the time of sale

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

[redacted]

hereby GRANT(s) to

16DO 8ME LLC, a Delaware limited liability company

the following real property in the County of **Los Angeles**, State of California:

Legal Description attached hereto as Exhibit "A" and made a part hereof.

MAIL TAX STATEMENTS AS DIRECTED ABOVE

ORDER NO.:
ESCROW NO. **30089430-014**

Dated: May 5, 2023

[redacted]

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA } ss:
COUNTY OF Los Angeles

On May 16, 2023 before me, Elliot Jamison Nichols,
a Notary Public, personally appeared [redacted] who proved to me on the basis of satisfactory evidence to be the person(s)whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies) and that by his/her/their signature(s)on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

ELLIOT JAMISON NICHOLS
Notary Public - California
Los Angeles County
Commission # 2417594
My Comm. Expires Sep 22, 2026

ORDER NO.:
ESCROW NO. **30089430-014**

Dated: May 5, 2023

[redacted]

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA
COUNTY OF Orange } ss:

On 5-15-23 before me, *Daniel Barrientos Cruz*
Notary Public,
a Notary Public, personally appeared [redacted] who proved to me on the basis of satisfactory evidence to be the person(s)whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies) and that by his/her/their signature(s)on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

DANIEL BARRIENTOS CRUZ
COMM. # 2348413
NOTARY PUBLIC - CALIFORNIA
ORANGE COUNTY
MY COMM. EXP. MAR. 17, 2025

ORDER NO.:
ESCROW NO.: 30089430-14

EXHIBIT A

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN AN UNINCORPORATED AREA OF THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL 1:

THE SOUTH HALF OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 28, TOWNSHIP 5 NORTH, RANGE 12 WEST, SAN BERNARDINO MERIDIAN, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT OF SURVEY OF SAID LAND FILED IN THE DISTRICT LAND OFFICE ON APRIL 22, 1880.

PARCEL 1A:

AN EASEMENT FOR ROAD PURPOSES OVER THE WESTERLY 30 FEET OF THAT PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 28, TOWNSHIP 5 NORTH, RANGE 12 WEST, SAN BERNARDINO MERIDIAN, LOS ANGELES COUNTY, CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT OF SURVEY OF SAID LAND FILED IN THE OFFICE OF THE BUREAU OF LAND MANAGEMENT LYING NORTHERLY OF SOLEDAD CANYON ROAD, LOS ANGELES COUNTY.

PARCEL 2:

THAT PORTION OF THE EAST HALF OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 28, TOWNSHIP 5 NORTH, RANGE 12 WEST, SAN BERNARDINO BASE AND MERIDIAN, ACCORDING TO THE OFFICIAL PLAT OF THE SURVEY OF SAID LAND ON FILE IN THE BUREAU OF LAND MANAGEMENT, LYING NORTHERLY OF THE NORTHERLY LINE OF A STRIP OF LAND 60 FEET WIDE, LYING 30 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:

BEGINNING AT A POINT IN THE WESTERLY LINE OF SAID SECTION DISTANT NORTH 1° 15' 25" WEST ALONG SAID WESTERLY LINE 46.38 FEET FROM THE SOUTHWESTERLY CORNER OF SAID SECTION; SAID POINT BEING THE BEGINNING OF A CURVE CONCAVE TO THE NORTHWEST AND HAVING A RADIUS OF 1,000 FEET, A RADIAL OF SAID CURVE TO SAID POINT OF BEGINNING BEARS SOUTH 16° 48' 42" EAST;
THENCE NORTHEASTERLY ALONG SAID CURVE 281.86 FEET;
THENCE NORTH 57° 02' 20" EAST 4234.66 FEET TO THE BEGINNING OF A CURVE TO THE NORTHWEST, TANGENT TO SAID LAST MENTIONED COURSE, HAVING A RADIUS OF 500 FEET; 32' 20" EAST 213.13 FEET TO A POINT IN THE CENTERLINE OF SIERRA HIGHWAY (FORMERLY MINT CANYON ROAD) AS DESCRIBED IN DEED TO THE COUNTY OF LOS ANGELES, RECORDED JANUARY 10, 1917 IN BOOK 6407, PAGE 179 OF DEEDS, DISTANT NORTH 73° 32' 20" EAST ALONG SAID LAST MENTIONED CENTERLINE 94.08 FEET FORM THE WESTERLY LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION.

THE SIDELINES OF ABOVE DESCRIBED STRIP OF LAND ARE TO BE CONTINUED OR SHORTENED AT THE BEGINNING THEREOF SO AS TO TERMINATE IN THE WESTERLY LINE OF THE ABOVE MENTIONED SECTION 28.

APN 3056-019-037

This page is part of your document - DO NOT DISCARD

[redacted]

Recorded/Filed in Official Records
Recorder's Office, Los Angeles County,
California

06/30/22 AT 08:00AM

Pages:
0004

FEES:	40.00
TAXES:	0.00
OTHER:	0.00
SB2:	75.00
PAID:	115.00

LEADSHEET

202206300970007

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SEQ:
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SECURE - 8:00AM

THIS FORM IS NOT TO BE DUPLICATED

E460070

FOR REFERENCE ONLY: 20220680154

Recording Requested by:
FNTG Western Region Energy Services

RECORDING REQUESTED BY:
WHEN RECORDED MAIL TO AND
MAIL TAX STATEMENTS TO:

16DO 8ME LLC
c/o 8minute Solar Energy, LLC
4370 Town Center Blvd., Suite 110
El Dorado Hills, CA 95762

300 8131

SPACE ABOVE THIS LINE FOR RECORDER'S USE

Los Angeles County, California
APN: 3056-019-040

GRANT DEED

THE UNDERSIGNED GRANTOR(s) DECLARE(s)
DOCUMENTARY TRANSFER TAX is $ 0.00 – The grantors and the grantees in this conveyance are comprised of the same parties who continue to hold the same proportionate interest in the property, R&T Code 11925(d)
CITY TAX $
☒ Computed on full value of property conveyed, or
☐ Computed on full value less value of liens or encumbrances remaining at time of sale,
☐ Unincorporated area:
☒ City of Acton, California, and

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, [redacted] Delaware limited liability company ("Grantor"), hereby grants to **16DO 8ME LLC**, a Delaware limited liability company ("Grantee"), all of Grantor's right, title and interest in the following described real property situated in the County of Los Angeles, State of California, together with any and all rights and appurtenances pertaining thereto:

SEE EXHIBIT A ATTACHED HERETO AND BY
THIS REFERENCE INCORPORATED HEREIN.

[Signature Page Follows]

IN WITNESS WHEREOF, Grantor has executed this Grant Deed as of June 27, 2022.

GRANTOR:

[redacted]

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) ss.
COUNTY OF Los Angeles)

On June 27, 2022, before me, Daniel Coltellaro a Notary Public, personally appeared [redacted], who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(~~ies~~), and that by his/~~her/their~~ signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

I certify under penalty of perjury under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

DANIEL COLTELLARO
Notary Public - California
Los Angeles County
Commission # 2293444
My Comm. Expires Jun 16, 2023

EXHIBIT A TO GRANT DEED
LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 28, TOWNSHIP 5 NORTH, RANGE 12 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPT THEREFROM THAT PORTION OF SAID LAND LYING WITHIN THE 200.00 FOOT RIGHT OF WAY GRANTED TO THE SOUTHERN PAFIFIC RAILROAD COMPANY OF CALIFORNIA BY ACT OF CONGRESS APPROVED MARCH 3, 1871.

ALSO EXCEPT THEREFROM THOSE PORTIONS OF CARSON MESA AND SOLEDAD CANYON AS DESCRIBED IN THE DOCUMENT RECORDED JUNE 18, 1982 AS INSTRUMENT NO. 82-619759, OF OFFICIAL RECORDS.

ALSO EXCEPT ALL MINERALS AND MINERAL DEPOSITS, INCLUDING, BUT NOT LIMITED TO, OIL AND GAS, OTHER GASES, INCLUDING, BUT NOT LIMITED TO, OIL AND GAS, OTHER GASES, INCLUDING, BUT NOT LIMITED TO, NONHYDROCARBON AND GEOTHERMAL GASES, OIL SHALE, COAL, PHOSPHATE, ALUMINA, SILICA, FOSSILS OR ALL GEOLOGICAL AGES, SODIUM, GOLD, SILVER, METALS AND OTHER COMPOUNDS, ALKALI, ALKALI EARTH, SAND, CLAY, GRAVEL, SALTS AND MINERAL WATERS, URANIUM, TRONA, AND GEOTHERMAL RESOURCES, TOGETHER WITH THE RIGHT OF THE STATE OR PERSONS AUTHORIZED BY THE STATE TO PROSPECT FOR, DRILL FOR, EXTRACT, MINE AND REMOVE SUCH DEPOSITS OR RESOURCES, AND TO OCCUPY AND USE SO MUCH OF THE SURFACE OF THE LAND AS MAY BE NECESSARY THEREFORE, AS RESERVED IN THE PATENT FROM THE STATE OF CALIFORNIA, RECORDED APRIL 8, 1987 AS INSRUMENT NO. 87-541661, OF OFFICIAL RECORDS.

OPTION TO PURCHASE REAL ESTATE

This OPTION TO PURCHASE REAL ESTATE (this "**Agreement**"), dated as of September 20, 2024 ("**Effective Date**"), is entered into by and between [redacted], a single individual, as to an undivided 50% interest, and [redacted], as to an undivided 50% interest ("**Owner**"), on one hand, and **Cedar Holdco LLC**, a Delaware limited liability company ("**Buyer**"), on the other hand.

WHEREAS, Owner is the owner of that certain real property located in Los Angeles County, California identified as Assessor's Parcel Number 3056-027-007 and consisting of approximately 40 acres, as generally depicted and/or described on Exhibit A attached hereto and made a part hereof for all purposes (such property, together with all improvements thereon and all rights, interests and appurtenances pertaining thereto or benefitting such property (including, but not limited to any and all mineral and water rights), is hereinafter referred to as the "**Property**").

WHEREAS, Buyer desires to obtain from Owner an exclusive option to purchase the Property.

NOW, THEREFORE, the parties hereto agree as follows:

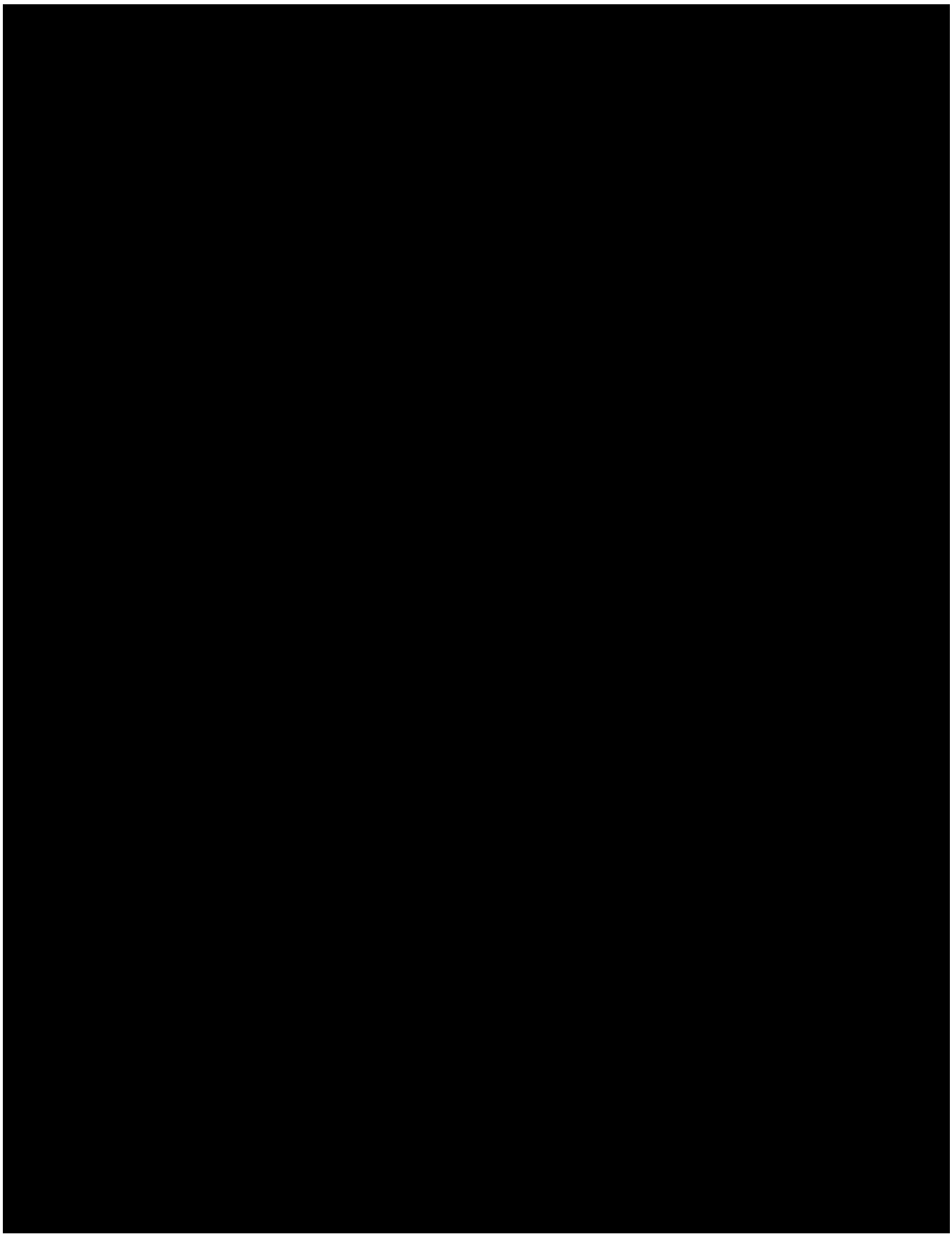
1. **Option**. For and in consideration of [redacted]) (the "**Consideration Payment**") and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by Owner, Owner hereby grants to Buyer an exclusive right and option to purchase the Property (the "**Option**") at the Purchase Price (as hereinafter defined) and on the terms and conditions hereinafter set out. In addition, Buyer shall pay Owner the amount of [redacted] (the "**Initial Option Payment**") by the date that is ninety (90) days after the Effective Date if Buyer elects, in its sole discretion, to maintain the Option and proceed with the Option Term (as defined below). If Buyer does not pay the Initial Option Payment when required, then this Agreement shall terminate with the Consideration Payment being retained by Owner and the parties shall have no further rights or obligations under this Agreement. All payments from Buyer to Owner under this Agreement are subject to Owner having first provided Buyer with a fully completed W-9 as to Owner.

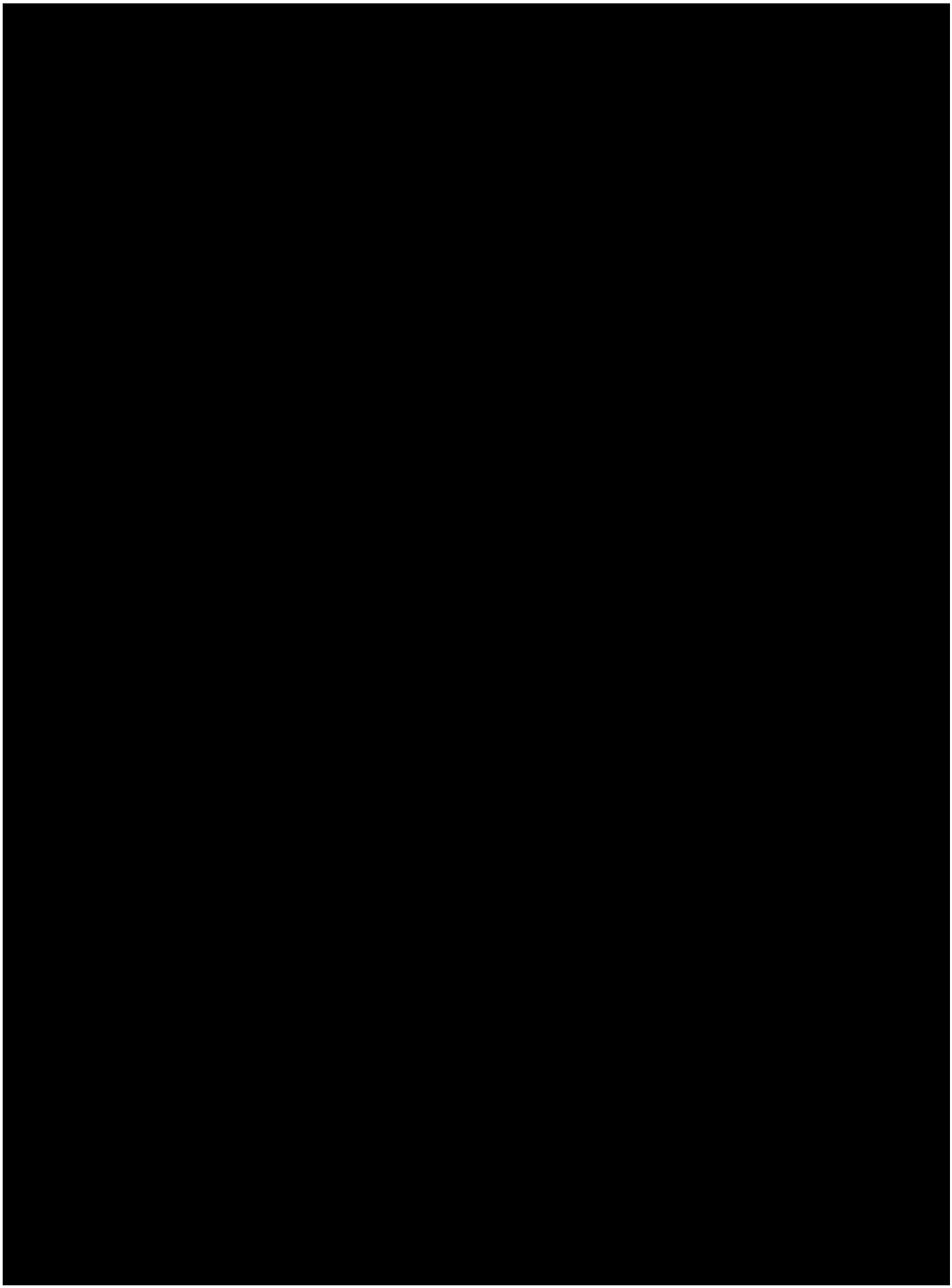
[redacted]

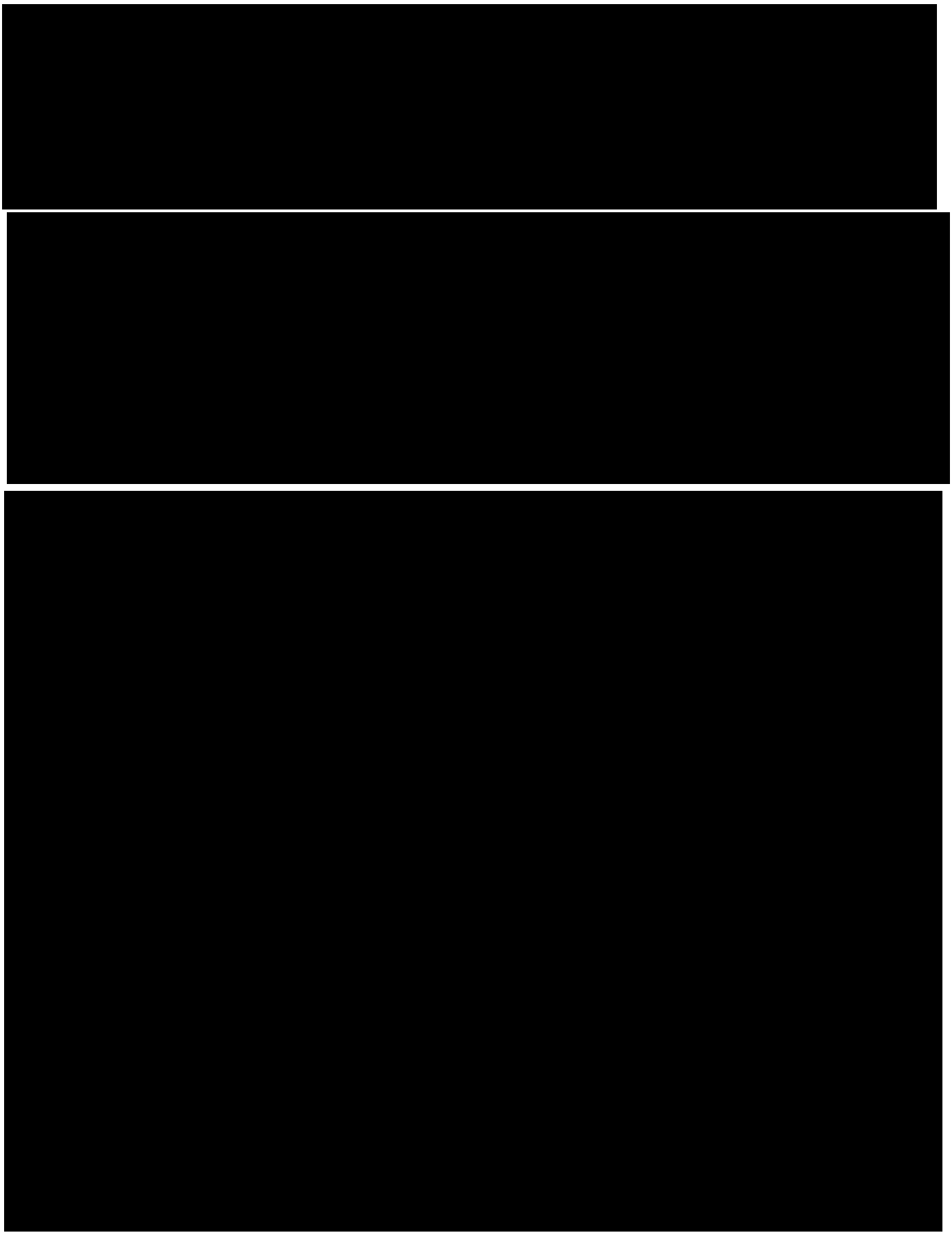
3. **Option Term**. The term of the Option herein granted is for a period commencing on the Effective Date and expiring at midnight on the day that is twelve (12) months after the Effective Date (the "**Initial Term**"; as may be extended pursuant to this Section 3, the "**Option Term**");

If the Option is not exercised by notice in writing prior to the expiration of the Option Term, then the Option shall expire, this Agreement shall terminate (with the Option Payments being retained by Owner) and the parties shall have no further rights or obligations under this Agreement. For purposes of this Agreement, "**Option Payments**" mean, collectively, the Consideration Payment and the Initial Option Payment, each if and the extent funded by Buyer. Notwithstanding anything in this Agreement to the contrary, [redacted] of the Consideration Payment shall be paid to Owner and considered completely nonrefundable to Buyer in all events, it being the intent of the parties to recognize that such amount has been bargained for and agreed to as independent consideration for Buyer's exclusive right to purchase the Property pursuant to and in accordance with the terms of this Agreement, and for Owner's execution and delivery of this Agreement.

[redacted]





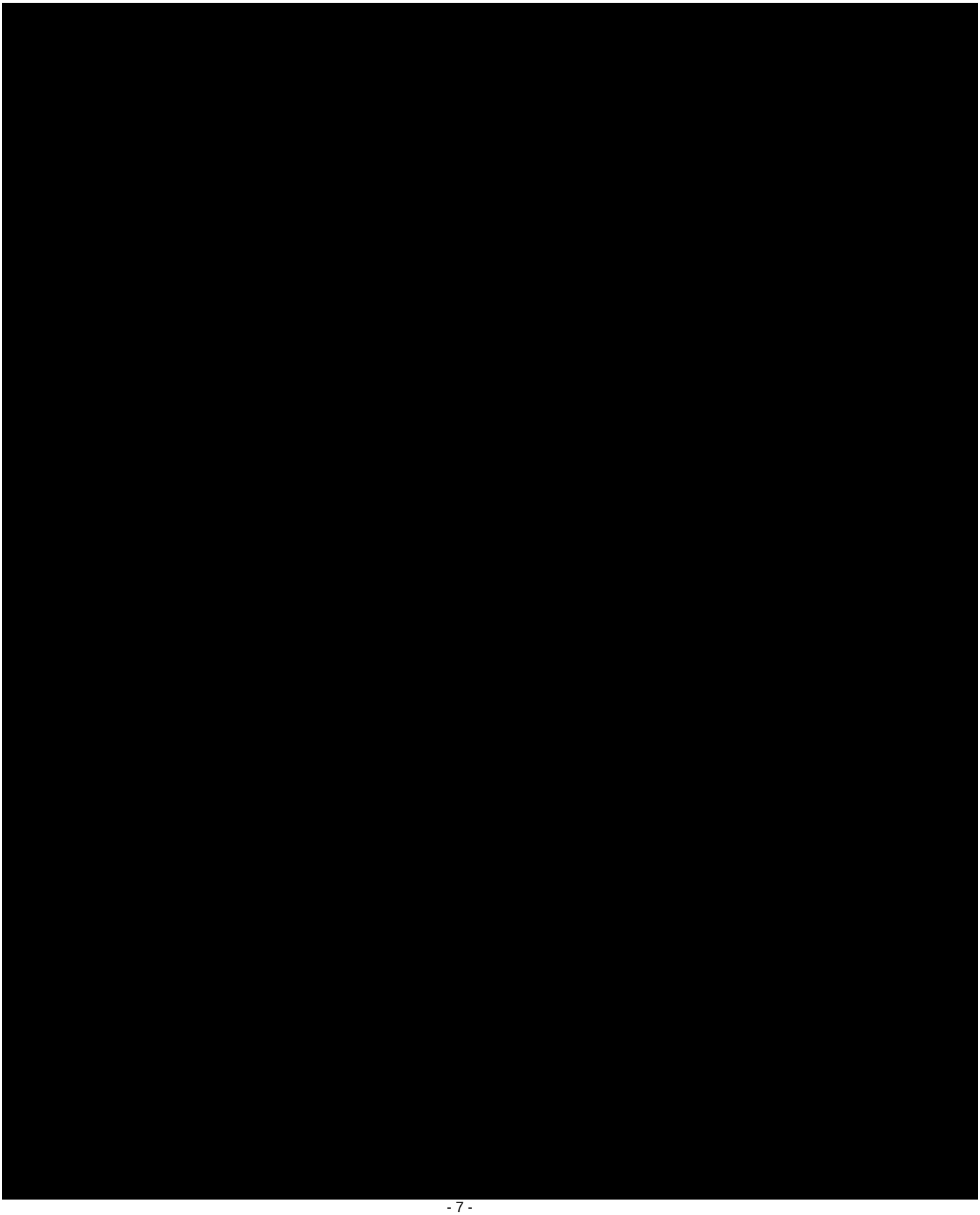


[redacted]

[redacted]

20. **Successors and Assigns.** This Agreement shall be binding upon the personal representatives, executors, administrators, heirs and assigns of Owner, and inure to the personal representatives, successors and assigns of Buyer. Buyer shall have the right to assign this Agreement or any of Buyer's rights and obligations hereunder at

any time without the consent of Owner. Buyer shall notify Owner, in writing, of any such assignment and the name of the assignee.



IN WITNESS WHEREOF, intending to be legally bound, the parties have caused this Agreement to be executed by their duly authorized representative with their respective signatures below.

OWNER:

[redacted]

By: [redacted]

Name: [redacted]

Title: Trustee

Date: 9-20-24

[redacted]

By: [redacted]

Date: 9-20-24

BUYER:

Cedar Holdco LLC
a Delaware limited liability company

By:

Name: Sam Littlefield

Title: EVP Development

Date: 24/09/20

EXHIBIT A

Property Description and/or Depiction

The Property is located on Kentucky Springs Road in Acton, Los Angeles County, California with the Assessor's Parcel Number of 3056-027-007 and is outlined in blue on the aerial picture below.

California
Angeleno

OPTION TO PURCHASE REAL ESTATE

This OPTION TO PURCHASE REAL ESTATE (this "**Agreement**"), dated as of September 16, 2024 ("**Effective Date**"), is entered into by and between [redacted] ("**Owner**"), on one hand, and **Cedar Holdco LLC**, a Delaware limited liability company ("**Buyer**"), on the other hand.

WHEREAS, Owner is the owner of that certain real property located 1300 Kentucky Springs Road in Acton in Los Angeles County, California identified as Assessor's Parcel Number 3056-027-031 and consisting of approximately 5 acres, as generally depicted and/or described on Exhibit A attached hereto and made a part hereof for all purposes (such property, together with all improvements thereon and all rights, interests and appurtenances pertaining thereto or benefitting such property (including, but not limited to any and all mineral and water rights), is hereinafter referred to as the "**Property**").

WHEREAS, Buyer desires to obtain from Owner an exclusive option to purchase the Property.

NOW, THEREFORE, the parties hereto agree as follows:

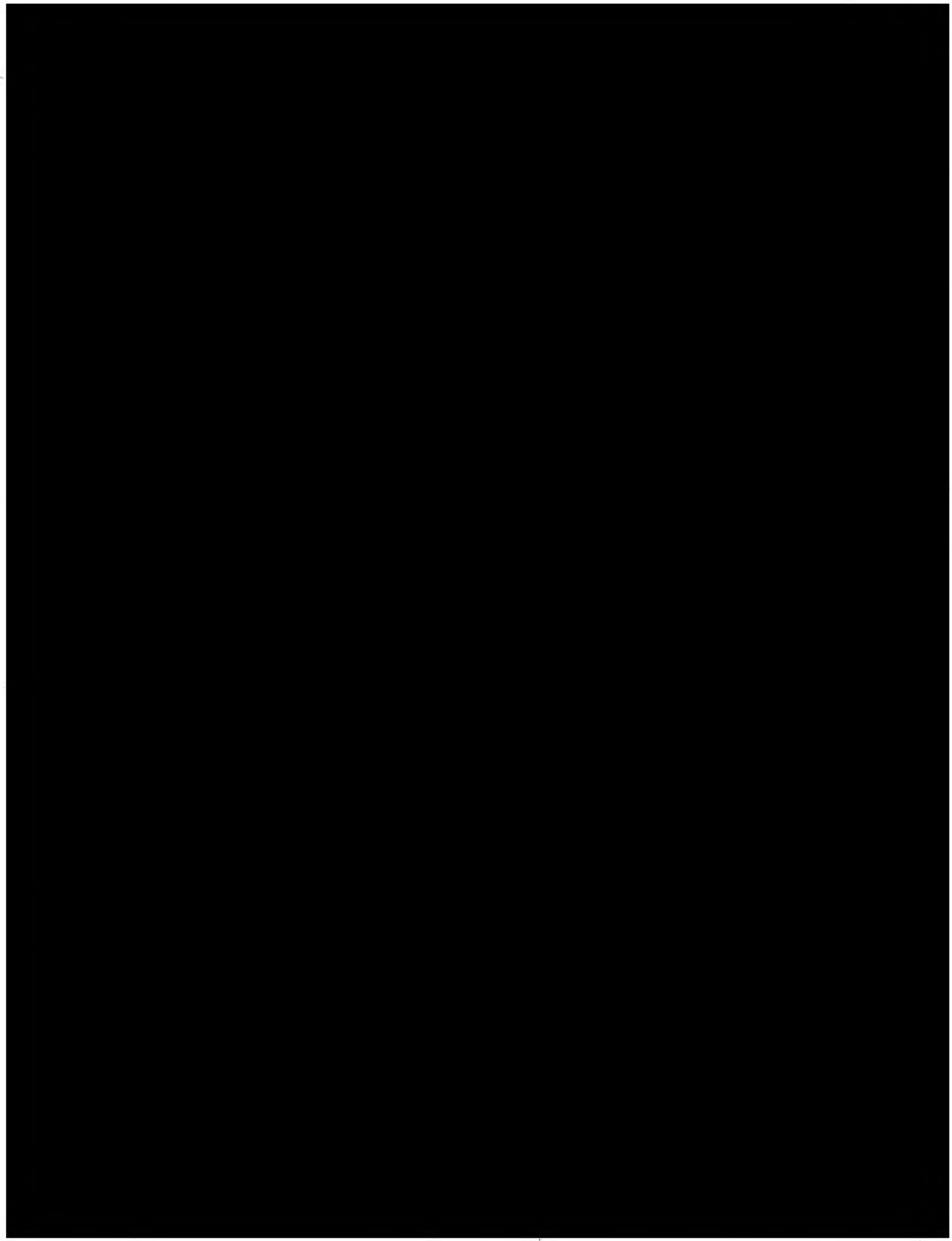
1. **Option**. For and in consideration of [redacted] (the "**Consideration Payment**") payable within (7) business days of the Effective Date of the Option, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by Owner, Owner hereby grants to Buyer an exclusive right and option to purchase the Property (the "**Option**") at the Purchase Price (as hereinafter defined) and on the terms and conditions hereinafter set out. In addition, Buyer shall pay Owner the amount of [redacted] (the "**Initial Option Payment**") by January 31, 2025 if Buyer elects, in its sole discretion, to maintain the Option and proceed with the Option Term (as defined below). If Buyer does not pay the Initial Option Payment when required, then this Agreement shall terminate with the Consideration Payment being retained by Owner and the parties shall have no further rights or obligations under this Agreement. All payments from Buyer to Owner under this Agreement are subject to Owner having first provided Buyer with a fully completed W-9 as to Owner.

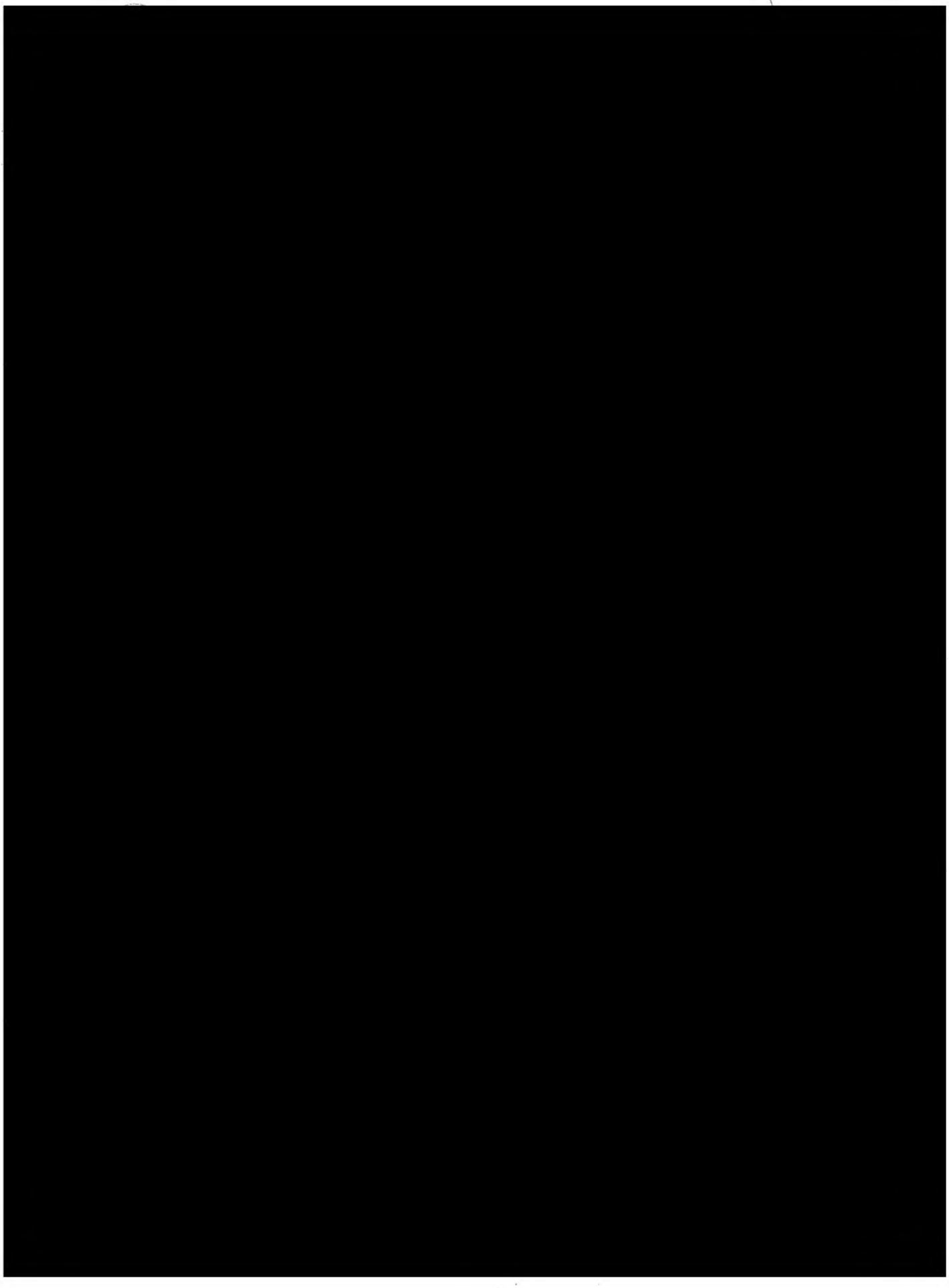
2. **Purchase Price**. The purchase price of the Property shall be [redacted] (the "**Purchase Price**"), to be paid to Owner in cash or other same day funds upon Closing (as hereinafter defined). All Option Payments (as defined below) except the Consideration Payment shall be credited toward the Purchase Price.

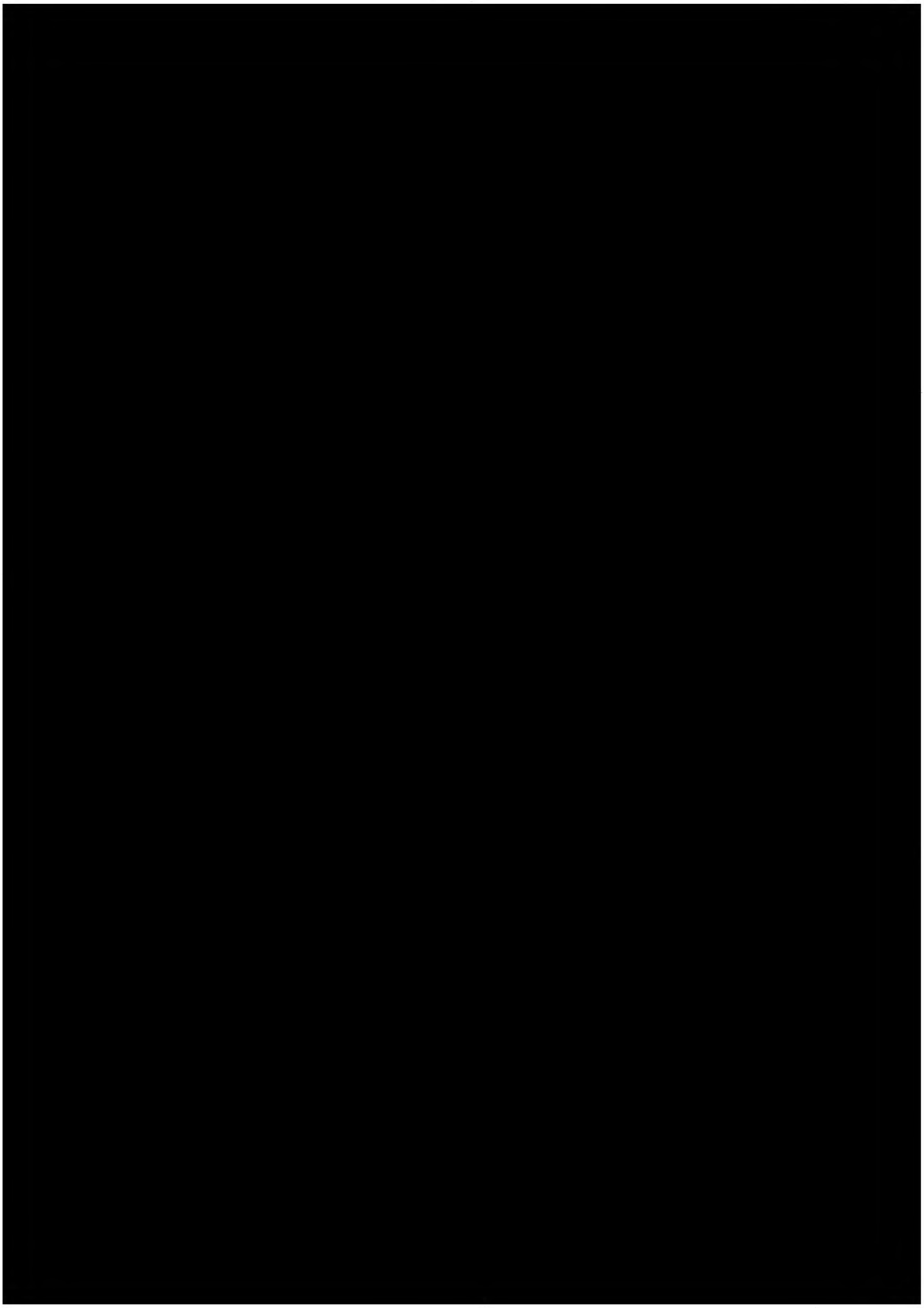
3. **Option Term**. The term of the Option herein granted is for a period commencing on the Effective Date and expiring at midnight on the day that is twelve (12) months after the Effective Date (the "**Initial Term**). There shall be no extensions beyond the 12 months from the Effective Date.

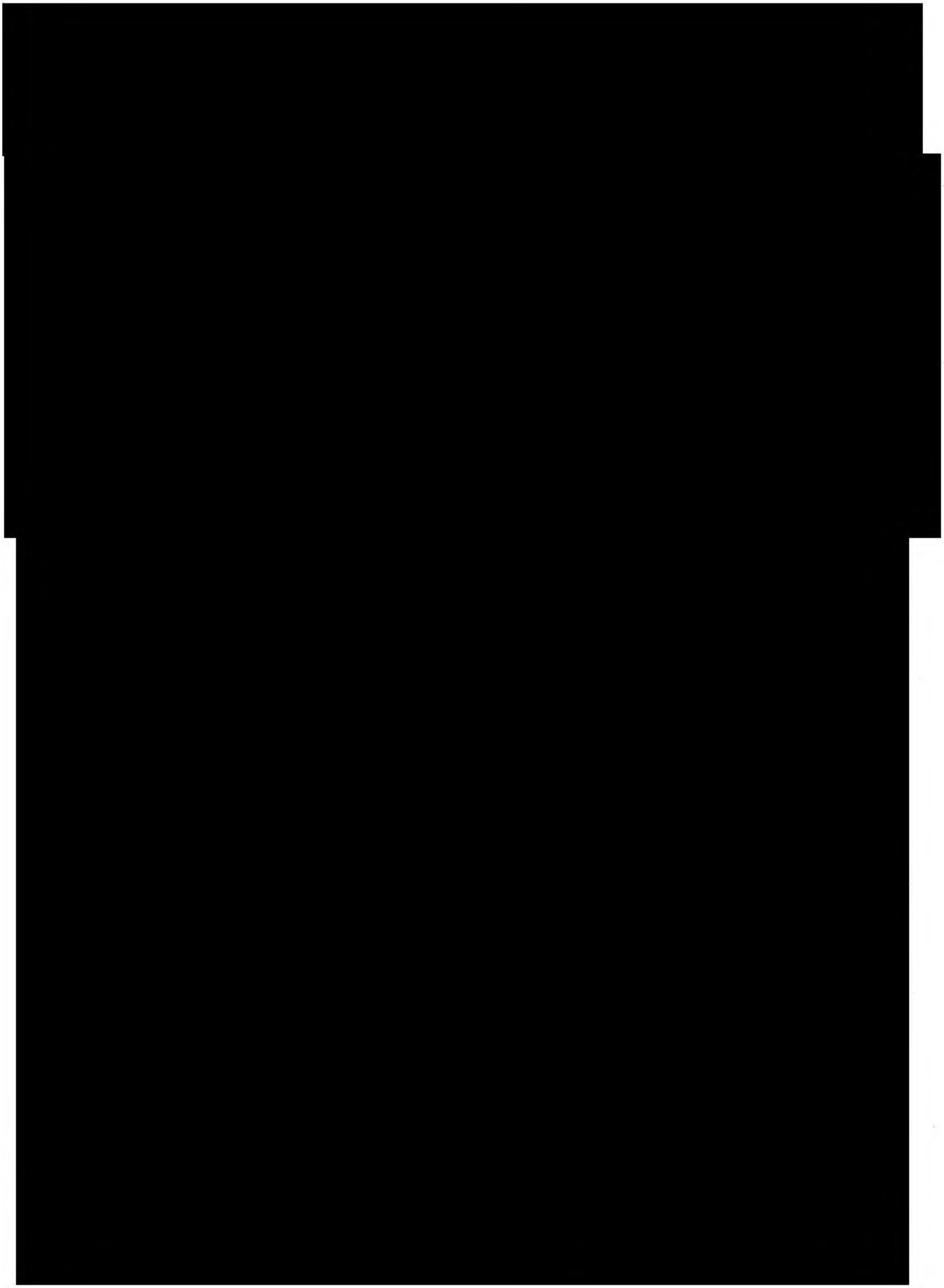
If the Option is not exercised by notice in writing prior to the expiration of the Option Term, then the Option shall expire, this Agreement shall terminate (with the Option Payments being retained by Owner) and the parties shall have no further rights or obligations under this Agreement. For purposes of this Agreement, "**Option Payments**" mean, collectively, the Consideration Payment and the Initial Option Payment, each if and the extent funded by Buyer. Notwithstanding anything in this Agreement to the contrary, 100% of the Consideration Payment shall be paid to Owner and considered completely nonrefundable to Buyer in all events, it being the intent of the parties to recognize that such amount has been bargained for and agreed to as independent consideration for Buyer's exclusive right to purchase the Property pursuant to and in accordance with the terms of this Agreement, and for Owner's execution and delivery of this Agreement.

[redacted]







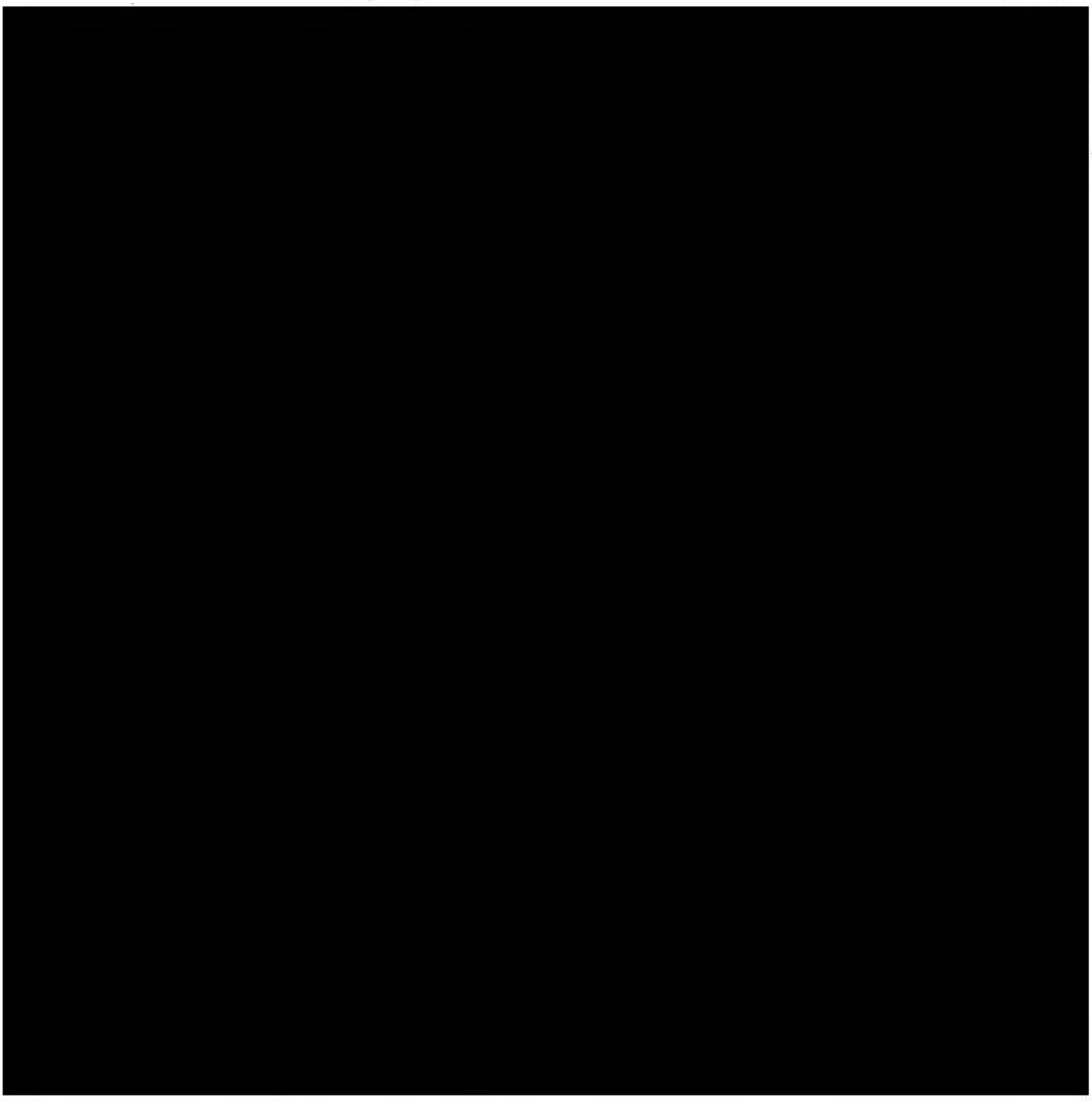


[redacted]

19. **Memorandum of Option.** After January 31, 2025 if the Initial Option Payment is to paid to Owner, Owner agrees to deliver to Buyer a fully executed and notarized Memorandum of Option to Purchase in the form attached hereto as Exhibit B (the "**Memorandum of Option**") for purposes of filing in the land records of the County in which the Property is located (the "**Official Records**") to provide record notice of this Agreement and the Option. Thereafter, Buyer is authorized to record, at its own expense, the Memorandum of Option in the Official Records. If Buyer does not purchase the Property within the 12 month Option Term, then Buyer must rescind or remove the Memorandum from the "Official Records" of the County where property is located.

20. **Successors and Assigns.** This Agreement shall be binding upon the personal representatives, executors, administrators, heirs and assigns of Owner, and inure to the personal representatives, successors and assigns of Buyer. Buyer shall have the right to assign this Agreement or any of Buyer's rights and obligations hereunder at any time without the consent of Owner. Buyer shall notify Owner, in writing, of any such assignment and the name of the assignee.

[redacted]



California
Angeleno

IN WITNESS WHEREOF, intending to be legally bound, the parties have caused this Agreement to be executed by their duly authorized representative with their respective signatures below.

OWNER:

By: [redacted]
Name:
Title:
Date:

By: [redacted]
Nam
Titl
Dat

BUYER:

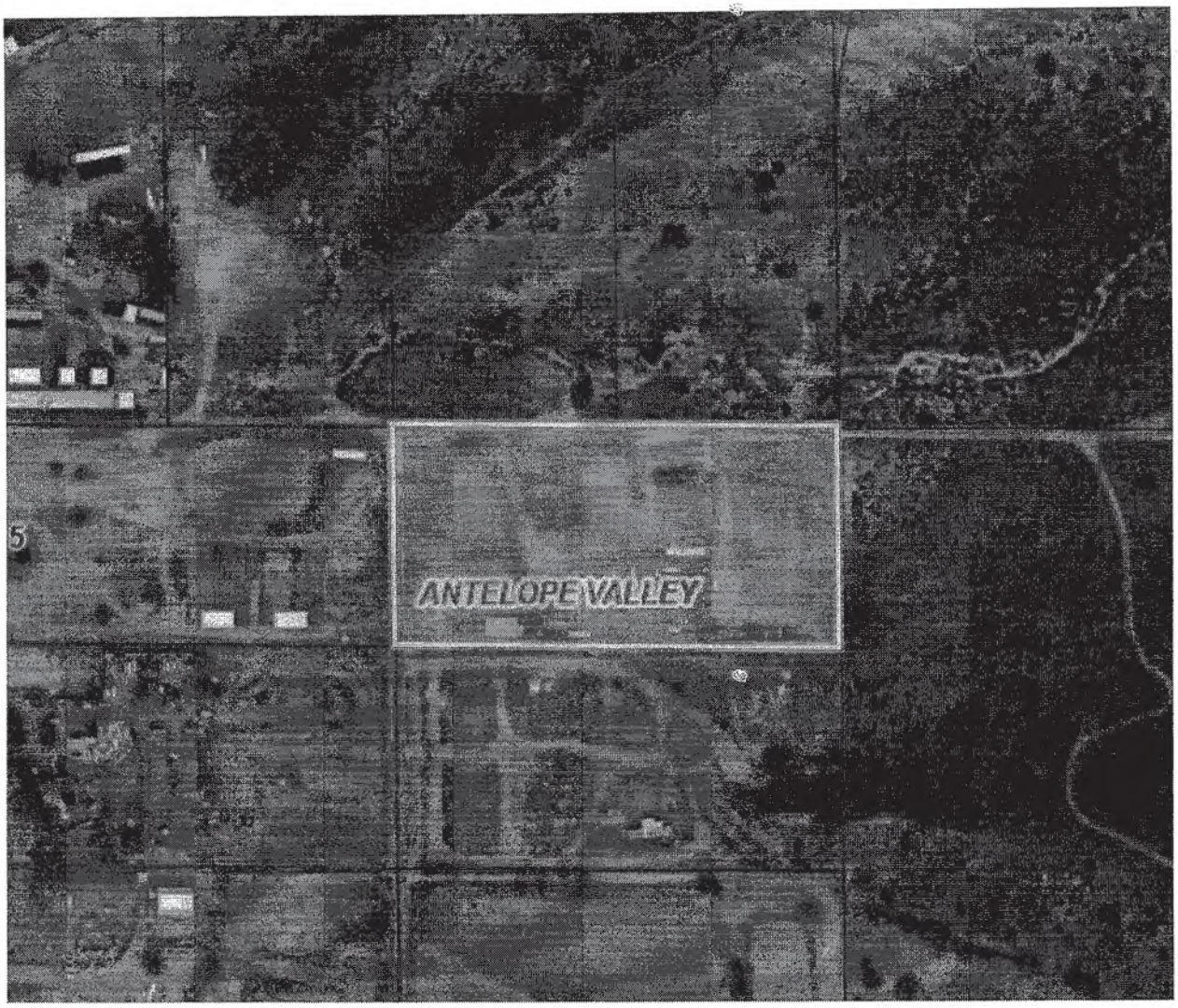
Cedar Holdco LLC
a Delaware limited liability company

By: _____
Name: Sam Littlefield
Title: EVP Development
Date: 09/17/2024

EXHIBIT A

Property Description and/or Depiction

The Property is located at 1300 Kentucky Springs Road in Acton in Los Angeles County, California with the Assessor's Parcel Number of 3056-027-031 and is outlined in yellow on the aerial picture below.



Attachment 7

Section 3.8, Paleontological Resources – Redline Version

3.8 Paleontological Resources

This section describes the potential effects the construction and operation of the Prairie Song Reliability Project (project) may have on paleontological resources at and in the vicinity of the project site. The project will consist of an up to 1,150-megawatt (MW) containerized battery energy storage system (BESS) facility utilizing lithium-iron phosphate cells, or similar technology, operations and maintenance (O&M) buildings, a project substation, a 500-kilovolt (kV) overhead generation interconnection (gen-tie) transmission line, and interconnection facilities within the existing Southern California Edison (SCE) owned and operated Vincent Substation.

This evaluation of paleontological resources includes the following elements:

- Section 3.8.1 describes the existing environment that could be affected, including regional and local geologic environment, faulting, and seismicity, and geologic resources;
- Section 3.8.2 identifies potential environmental impacts that may result from project construction, operation, maintenance, and decommissioning;
- Section 3.8.3 discusses the potential cumulative effects;
- Section 3.8.4 identifies project design and mitigation measures that should be considered during project construction, operation, maintenance, and decommissioning to avoid or minimize potentially significant effects;
- Section 3.8.5 presents laws, ordinances, regulations, and standards (LORS) applicable to paleontological resources;
- Section 3.8.6 identifies regulatory agency contacts;
- Section 3.8.7 describes permits required for the project related to paleontological resources; and
- Section 3.8.8 provides references used to develop this section.

The following environmental setting and impact evaluation is based in part on the following project-specific technical report and engineering plans, included as appendices to this application:

1. Appendix 3.4A – Geotechnical Report
2. Appendix 3.8A – Confidential Paleontological Resources Records Search Results

A summary of the paleontological resources evaluation is provided in the table below.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
1) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐

3.8.1 Affected Environment

3.8.1.1 Physiographic and Geologic Setting

The project site is located within the western San Gabriel Mountains, in the Transverse Ranges Geomorphic Province (CGS 2002; Harden 2004). The Transverse Ranges are an east–west trending series of steep mountains and valleys (CGS 2002).

As shown in Figure 3.8-1, the project site is mapped as being underlain by late Pleistocene (approximately 11,700 years ago to 129,000 years ago; Cohen et al. 2024) older dissected surficial sediments (map unit Qoa), with nearby mapped geological units consisting of Holocene (less than 11,700 years ago; Cohen et al. [2024]) surficial deposits (map units Qa and Qg), the Oligocene (approximately 23 million years ago [mya] to 33.9 mya; Cohen et al. 2024) Vasquez Formation andesitic rocks (map unit Tva), Cretaceous (approximately 66 mya to 145 mya; Cohen et al. 2024) granitic rocks (map unit gr), the early Triassic (approximately 220 mya; Cohen et al. 2024) Lowe Granodiorite (map unit Igdb), and the Mesozoic (approximately 66 mya to 251.9 mya; Cohen et al. 2024) or older Hornblende Diorite Gabbro (map unit hdg) according to published, surficial geological mapping at a 1:24,000 scale (Dibblee and Ehrenspeck 2001; Dibblee and Ehrenspeck (ed)~~,~~ 1996).

3.8.2 Impact and Sensitivity Analysis

For the units represented in Figure 3.8-1, and as expressed in Table 3.8-1, Standards for Determining Paleontological Sensitivities, the late Pleistocene older dissected surficial sediments, underlying the Project site and portions of the proposed gen-tie lines, have high paleontological sensitivity as the sediments are old enough to preserve fossils and numerous fossil localities have been recorded within Los Angeles County (Los Angeles County 2022). The Holocene sedimentary deposits that underlie portions of the proposed gen-tie lines have low paleontological sensitivity (or potential) and are generally considered to be too young to contain significant fossils in their original stratigraphic context, as not enough time has elapsed to allow for fossilization to occur. In addition, Holocene sedimentary deposits are usually unconsolidated to slightly consolidated, which allows decomposing bacteria that thrive in oxygen-rich environments to decompose organic remains prior to fossilization occurring. As noted by the Society of Vertebrate Paleontology, (SVP 2010), "Rock units with low potential typically will not require impact mitigation measures to protect fossils" (Table 3.8-1).

The following sections present the potential effects from the construction and operation of the proposed project on paleontological resources.

3.8.2.1 Methodology

The standards used for determining paleontological sensitivities as set forth by the Society of Vertebrate Paleontology (SVP 2010) are listed in Table 3.8-1.

Table 3.8-1. Standards for Determining Paleontological Sensitivities

Resource Sensitivity/Potential	Definition
High	Rock units from which vertebrate or significant invertebrate, plant, or trace fossils have been recovered are considered to have a high potential for containing additional significant paleontological resources. Rock units classified

Table 3.8-1. Standards for Determining Paleontological Sensitivities

Resource Sensitivity/Potential	Definition
	as having high potential for producing paleontological resources include, but are not limited to, sedimentary formations and some volcaniclastic formations (e.g., ashes or tephras), and some low-grade metamorphic rocks that contain significant paleontological resources anywhere within their geographical extent, and sedimentary rock units temporally or lithologically suitable for the preservation of fossils (e.g., middle Holocene and older, fine-grained fluvial sandstones, argillaceous and carbonate-rich paleosols, cross-bedded point bar sandstones, fine-grained marine sandstones). Paleontological potential consists of both (1) the potential for yielding abundant or significant vertebrate fossils or for yielding a few significant fossils, large or small, vertebrate, invertebrate, plant, or trace fossils; and (2) the importance of recovered evidence for new and significant taxonomic, phylogenetic, paleoecologic, taphonomic, biochronologic, or stratigraphic data. Rock units that contain potentially datable organic remains older than late Holocene, including deposits associated with animal nests or middens, and rock units that may contain new vertebrate deposits, traces, or trackways are also classified as having high potential.
Low	Reports in the paleontological literature or field surveys by a qualified professional paleontologist may allow determination that some rock units have low potential for yielding significant fossils. Such rock units will be poorly represented by fossil specimens in institutional collections or, based on general scientific consensus, only preserve fossils in rare circumstances and the presence of fossils is the exception not the rule; e.g., basalt flows or Recent colluvium. Rock units with low potential typically will not require impact mitigation measures to protect fossils.
Undetermined Potential	Rock units for which little information is available concerning their paleontological content, geologic age, and depositional environment are considered to have undetermined potential. Further study is necessary to determine whether these rock units have high or low potential to contain significant paleontological resources. A field survey by a qualified professional paleontologist to specifically determine the paleontological resource potential of these rock units is required before a paleontological resource impact mitigation program can be developed. In cases where no subsurface data are available, paleontological potential can sometimes be determined by strategically located excavations into subsurface stratigraphy.
No Potential	Some rock units have no potential to contain significant paleontological resources; for instance, high-grade metamorphic rocks (such as gneisses and schists) and plutonic igneous rocks (such as granites and diorites). Rock units with no paleontological resource potential require neither protection nor impact mitigation measures relative to paleontological resources.

Paleontological sensitivities have been assigned to each formation found within and nearby the project site and can be found in subsection 3.8.~~1.1.1~~2.

A records search was conducted by the Natural History Museum of Los Angeles County (NHMLAC) on January 22, 2023. The purpose of the museum records search is to determine whether there are any known fossil localities in or near the project site, identify geological units present within the project site, and assist in determining whether a paleontological mitigation program is necessary. Published geological literature and maps were reviewed

to identify geological units on the project site and determine their paleontological sensitivity. A pedestrian survey covering all accessible areas of the project site was performed by Dudek staff in February 2023 and a supplemental pedestrian survey for subsequently added project parcels was performed by Dudek staff in November 2024. The pedestrian surveys confirmed the geology, and no fossils were observed.

3.8.2.1.1 Records Search and Literature Review Results

There are no known fossil localities within a 1-mile radius of the project site. The project site is underlain by late Pleistocene older dissected surficial sediments. These deposits in this area have the potential to produce fossils on the surface and at shallow depths below the surface. The NHMLAC reported eight (8) fossil localities nearby (along Avenue S between Palmdale and Lake Los Angeles approximately 10.45 miles to 25.42 miles northeast of the project), including fossil locality Los Angeles County Museum (LACM) Vertebrate Paleontology (VP) 5942-5950, from an unknown Holocene formation encountered 0 feet to 9 feet below ground surface that produced the following taxa: kingsnake (*Lampropeltis*), lizards (*Lacertilia*), leopard lizard (*Gambelia*), snakes (Ophidia), gopher snake (*Pituophis*), rabbit (Lagomorpha), rodents (Rodentia), pocket gopher (*Thomomys*), pocket mouse (*Chaetodipus*), kangaroo rat (*Dipodomys*), and birds (Aves) (NHMLAC 2023).

The Pleistocene Harold Formation, which lies to the north of the project location, has one locality (LACM VP CIT451) near Barrel Springs Road and 47th Street, approximately 5.58 miles northeast of the project, that produced a Mastodon (*Mammutidae*) and a horse (*Equus*) from an unknown depth (NHMLAC 2023). This formation is likely correlative with the Pleistocene age, older dissected surficial sediments as mapped within the project site by Dibblee and Ehrenspeck (ed) (1996).

Pleistocene geological units are known to produce scientifically significant paleontological resources in this part of Los Angeles County. In his compilation of late Pleistocene to early Holocene fossil vertebrates from California, Jefferson (1991) reported several fossil localities containing mammoth, ground sloth, and bison from northeast Los Angeles County. No fossils from Holocene age sediments have been recorded in Los Angeles County.

3.8.2.1.2 Results of the Field Survey

A pedestrian survey that covered the project site, Northern Gen-Tie Route, and area around the Vincent Substation was conducted by Dudek staff, Jessica Colston, Shane McDonnell, and Philip Sharp-Garcia on February 1 and 2, 2023, and a supplemental pedestrian survey for additional project parcels that were added following the 2023 (Parcels associated with the Southern Gen-Tie Route) survey was conducted by Dudek staff, Jessica Colston, on November 18, 19, and 20, 2024. Ground visibility was generally good and not obscured by vegetation. However, the central portion of the project site was densely vegetated, which obscured the ground surface. No paleontological resources were discovered on site during the field survey.

3.8.2.2 Impact Evaluation Criteria

Appendix G of the California Environmental Quality Act is a screening tool, not a method for setting thresholds of significance. Appendix G is typically used in the Initial Study phase of the California Environmental Quality Act (CEQA) process, asking a series of questions. The purpose of these questions is to make a determination as to whether a project requires an EIR, a Mitigated Negative Declaration or a Negative Declaration. As the Governor's Office of Planning and Research stated, "Appendix G of the Guidelines lists a variety of potentially significant effects, but does not provide a means of judging whether they are indeed significant in a given set of circumstances." The

answers to the Appendix G questions are not determinative of whether an impact is significant or less than significant. Nevertheless, the questions presented in CEQA Appendix G are instructive.

The potential for impacts related to paleontological resources were evaluated using the relevant criteria described in the CEQA Environmental Checklist (Appendix G of the CEQA Guidelines). Specific to paleontological resources, the CEQA Checklist asks, would the project: Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

3.8.2.3 CEQA Appendix G Assessment Criteria

3.8.2.3.1 Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less than Significant. The results of the institutional records search and desktop geological review did not identify any paleontological resources within the project site, or within a 0.5-mile radius buffer of the project site. In addition, no paleontological resources were discovered on site during the field survey. However, intact paleontological resources may be present within the mapped, late Pleistocene-age older dissected surficial sediments. Given the proximity of past fossil discoveries in the surrounding area and the underlying Pleistocene deposits, the project site has a high resource sensitivity potential for supporting paleontological resources below any topsoil or weathered Pleistocene deposits.

The project site is underlain late Pleistocene age older dissected surficial sediments that would require monitoring. In the event that intact paleontological resources are located on the project site, ground-disturbing activities associated with construction of the project, such as grading during site preparation and trenching, have the potential to affect unique paleontological resources or sites. Without mitigation, the potential damage to paleontological resources during construction would have a potentially significant impact. However, upon implementation of Mitigation Measure GEO-1 (see below), impacts would be reduced to **less than significant**.

3.8.3 Cumulative Effects

Potential cumulative impacts to paleontological resources could result from projects that combine to create an environment where fossils, exposed on the surface, are vulnerable to destruction by earthmoving equipment, looting by the public, and natural causes such as weathering and erosion. The majority of impacts to paleontological resources are site-specific and are therefore generally mitigated on a project-by-project basis. projects with potential cumulative impacts would be required to assess impacts to paleontological resources through the environmental review (CEQA) process.

Additionally, as needed, projects would incorporate individual mitigation for site-specific geological units present on each individual project site. Furthermore, the project does not directly or indirectly contribute to an increase in a cumulative impact to paleontological resources, as the implementation of MM GEO-1 provided in this analysis ensures any significant paleontological resources uncovered during project excavations would be properly analyzed and salvaged by the on-site paleontological monitor. Therefore, the project, in combination with the past, present, and reasonably foreseeable future projects adjacent to the project, would result in less than cumulatively considerable impacts to paleontological resources.

3.8.4 Mitigation Measures

GEO-1 Prior to commencement of any grading activity on site, the applicant shall retain a qualified paleontologist meeting the Society of Vertebrate Paleontology (SVP) (2010) guidelines. The paleontologist shall prepare a Paleontological Resources Impact Mitigation Program for the Project.

Verification: The Paleontological Resources Impact Mitigation Program shall be consistent with the guidelines of the SVP (2010) and include the following elements: project description, requirements for preconstruction worker environmental awareness training, frequency of monitoring, salvage protocols, reporting, and collections management. The qualified paleontologist or a qualified monitor meeting the SVP (2010) guidelines shall be on site during all rough grading and other significant ground-disturbing activities below a depth of 5 feet below the existing ground surface in previously undisturbed older Holocene and Pleistocene-age deposits. If excavations below 5 feet are not impacting previously undisturbed deposits, as determined by the qualified paleontologist, spot-check monitoring shall ensue. In the event that paleontological resources (e.g., fossils) are unearthed during grading, the paleontological monitor shall temporarily halt and/or divert grading activity to allow recovery of the paleontological resources. The area of discovery shall be roped off with a 50-foot-radius buffer, or at a safe distance as determined by the monitor and construction personnel, to document and collect the fossils. Once documentation and collection of the find is completed, the monitor shall remove the rope and allow grading to recommence in the area of the find. No monitoring is required during excavations that the paleontologist determines are within artificial fill or younger alluvium (e.g., Holocene age Quaternary alluvium, younger than approximately 11,700 years) as these sediments are generally too young to preserve fossils and have low sensitivity.

3.8.5 Laws, Ordinances, Regulations, and Standards

Federal, state, and local Laws, Ordinances, Regulations, and Standards (LORS) applicable to paleontological resources are discussed below and summarized in Table 3.8-2.

Table 3.8-2. LORS Applicable to Paleontological Resources

Jurisdiction	LORS	Applicability	Project Conformity	Opt-In Application Reference
State	California Environmental Quality Act (CEQA)	Requires state and local government agencies to inform decision makers and the public about the potential environmental impacts of the project, including to paleontological resources, and to reduce environmental impacts to the extent feasible.	**Yes.** California Energy Commission (CEC) will act as CEQA lead agency, per the CEC's Opt-in Application process.	Section 3.8.2.2 Section 3.8.2.3 Section 3.8.5.1
State	California PRC Section 5097.5	Provides protection for paleontological resources on public lands.	**Not applicable** to this project because it is	Section 3.8.5.1

Jurisdiction	LORS	Applicability	Project Conformity	Opt-In Application Reference
			located entirely on private property.	
Local	2035 County of Los Angeles General Plan Update EIR	Includes stipulations that are intended to address paleontological resources in the County of Los Angeles.	**Yes.** Siting of the project will comply with the General Plan with respect to areas of potential paleontological resources.	Section 3.8.4 Section 3.8.5.2

Notes: PRC = Public Resources Code; EIR = Environmental Impact Report.

Paleontological resources are protected on state lands under CEQA and on Los Angeles County lands according to CUL-5 of the 2035 Los Angeles County General Plan Update EIR (Los Angeles County 2015). The project, as currently planned, does not cross any Federal lands and is subject only to state and local regulatory conditions.

3.8.5.1 State LORS

California Environmental Quality Act

Paleontological resources are afforded consideration under the California Environmental Quality Act of 1970. Appendix G of the State of California CEQA Guidelines (14 CCR 15000 et seq.) includes the following as one of the questions to be answered in the Environmental Checklist (Appendix G, Section VII, Part f): "Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?"

The CEQA lead agency (California Energy Commission) is responsible for ensuring that potential impacts to paleontological resources are analyzed.

California Public Resources Code Section 5097.5

California Public Resources Code Section 5097.5 provides that any knowing and willful excavation, removal destruction, injury, or defacement of vertebrate paleontological sites or paleontological features located on public lands is prohibited without the express permission of the public agency having jurisdiction over the lands.

Section 5097.5 does not apply to the project because it lies entirely on private property.

3.8.5.2 Local LORS

2035 County of Los Angeles General Plan Update EIR

The 2035 County of Los Angeles General Plan Update EIR (updated 2015) CUL-5 (paragraphs 1, 2 and 4) states the following:

> "Prior to the issuance of any grading permit, applicants shall provide written evidence to the County of Los Angeles that a County-certified paleontologist has been retained to observe grading activities greater than six feet in depth and salvage and catalogue paleontological resources as necessary. The paleontologist shall be present at the pre-grade conference, shall establish procedures for

paleontologist resource surveillance, and shall establish, in cooperation with the applicant, procedures for temporarily halting or redirecting work to permit the sampling, identification, and evaluation of the artifacts as appropriate.

If the paleontological resources are found to be significant, the paleontologist observer shall determine appropriate actions, in cooperation with the project applicant, for exploration and/or salvage. Prior to the release of the grading bond the applicant shall obtain approval of the paleontologist's follow-up report from the County. The report shall include the period of inspection, an analysis of any artifacts found and the present repository of the artifacts. Applicant shall prepare excavated material to the point of identification.

* * *

Unanticipated discoveries shall be evaluated for significance by a County-certified paleontologist. If the paleontological resources are found to be significant, then the project shall be required to perform data recovery, professional identification, radiocarbon dates as applicable, and other special studies; submit materials to the County of Los Angeles, or its designee, on a first refusal basis and provide a comprehensive final report including appropriate records for the California Department of Parks and Recreation."

Siting of the project will comply with the General Plan with respect to areas of potential paleontological resources.

3.8.6 Agencies and Agency Contacts

Applicable agency contacts are shown in Table 3.8-3. The agency was contacted on December 15, 2022, to request the paleontological resources records search. The agency responded on January 22, 2023 (see Appendix 3.8A).

Table 3.8-3. Agencies and Agency Contacts

Topic	Agency	Contact
Paleontological Resources Documentation and Specimen Repository	Natural History Museum of Los Angeles County	Alyssa Bell, PhD 900 Exposition Blvd. Los Angeles, California 90007 Ph. 213.763.3466 paleorecords@nhm.org

3.8.7 Permits and Permit Schedule

No permit related to paleontological resources is required by any federal, state, or county agency to allow for the recovery of fossil remains discovered as a result of construction-related ground-disturbance on the project site.

3.8.8 References

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Dibblee, T.W. and Ehrenspeck, H.E. 2001. Geologic map of the Pacifico Mountain and Palmdale (south half) quadrangles, Los Angeles County, California. 1:24,000 scale. Dibblee Geological Foundation Map DF-76.

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Jefferson, G.T. 1991. *A Catalog of Late Quaternary Vertebrates from California*. Natural History Museum of Los Angeles County Technical Reports, No. 7:1–174. Unpublished revision May 18, 2012.

Los Angeles County. 2015. Los Angeles County General Plan Update Final Environmental Impact Report. Update March 2015.

Los Angeles County. 2022. "Conservation and Natural Resources Element." Chapter 9 in *Los Angeles County General Plan*. Updated November 2022. https://planning.lacounty.gov/wp-content/uploads/2022/11/9.0_gp_final-general-plan-ch9.pdf.

NHMLAC (Natural History Museum of Los Angeles County). 2023. Paleontological resources for the Prairie Song Reliability Project (PN: 14419.02)- Confidential Project. Unpublished Records Search Results Letter from the Natural History Museum of Los Angeles County, Los Angeles, California. January 22, 2023.

SVP (Society of Vertebrate Paleontology). 2010. *Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources.* http://vertpaleo.org/The-Society/Governance-Documents/SVP_Impact_Mitigation_Guidelines.aspx.

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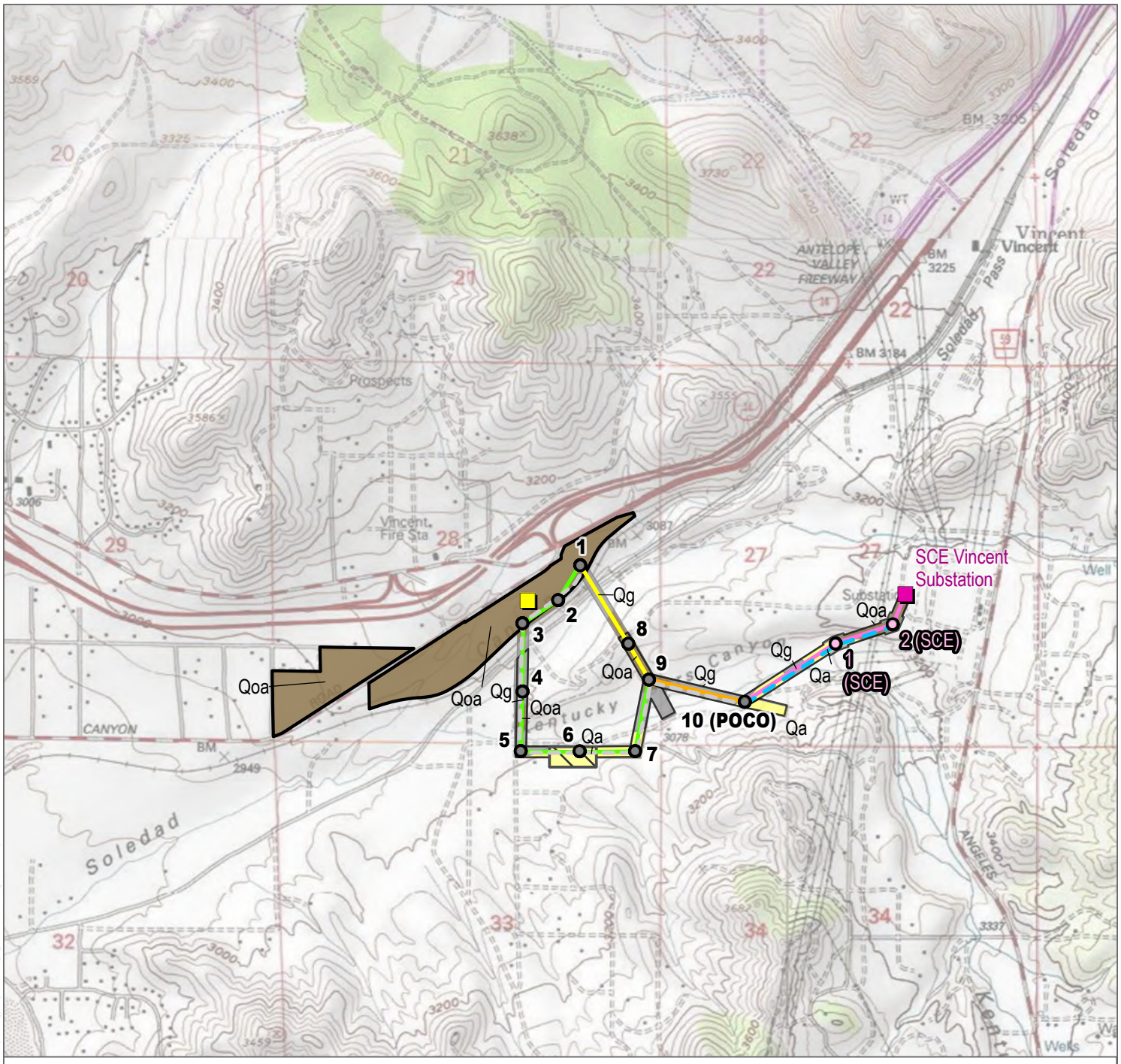

- Proposed BESS Facility Site
- Proposed Project Substation
- Existing SCE Vincent Substation (Point of Interconnection)
- Transmission Pole (SCE)
- Transmission Pole

Work Areas

- Gen-Tie Work Area
- Construction Laydown Area

Fiber Optic Routes

- Underground Fiber Optic Route (SCE)
- Underground Fiber Optic Route

Gen-Tie Routes

- Overhead Gen-Tie Route (SCE)
- Overhead Gen-Tie Route

Gen-Tie Route Options

- Overhead Southern Gen-Tie Route Option
- Overhead Northern Gen-Tie Route Option
- Qa - Generally Undissected Alluvial Deposits (Holocene) Low Paleontolgical Sensitivity
- Qg - Generally Undissected Alluvial Deposits (Holocene) Low Paleontolgical Sensitivity
- Qoa - Older Dissected Surficial Sediments (Late Pleistocene) High Paleontological Sensitivity

SOURCE: USGS

DUDEK

0 500 1,000 Feet

FIGURE 3.8-1

Paleontological Sensitivity

Prairie Song Reliability Project

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Attachment 9

Appendix 3.9B, Plume Analysis

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

MEMORANDUM

To:	California Energy Commission
From:	Prairie Song Reliability Project LLC
Subject:	Plume Study for the Prairie Song Reliability Project
Date:	September 2, 2025
Attachments:	A, Emission Calculations
	B, Dispersion Modeling Outputs

At the request of CEC staff, Prairie Song Reliability Project LLC (Applicant) requested that Dudek prepare a supplemental thermal runaway/fire scenario[1] analysis technical memorandum (plume study) for the Prairie Song Reliability Project (Project) located in Los Angeles County (County), California. This analysis is in addition to the Plume Analysis provided to the CEC by Fire & Risk Alliance (Tracking Number #264382; Appendix 3.17D), and provides a different but complementary analysis of fire safety and public health. The contents and organization of this memorandum are as follows: Executive Summary, Project Description, Codes and Standards, Neighboring Uses, 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 the County. This plume study evaluated the Project's potential to cause adverse health effects on nearby receptors in the highly unlikely scenario of a thermal runaway event at the BESS.

This plume 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 Underwriters Laboratories ("UL") 9540A testing. The Sungrow PowerTitan 2.0 has been selected for this Project application as a representative system. The UL9540A unit tests for PowerTitan 2.0 showed that 3 initiating cells went into thermal runaway and propagated to 2 adjacent cells, for a total of 5 cells. This analysis conservatively assumes a total of 50 cells would be affected (i.e., 10 times the number of cells that went into thermal runaway in the UL9540A unit results) and therefore presents a worst-case analysis.

The potential impacts of toxic air contaminants (TACs) from a thermal runaway event were evaluated using dispersion modeling to calculate offsite concentrations of TACs. The concentrations were then compared to the Office of Environmental Health Hazard Assessment (OEHHA) acute reference exposure levels (RELs), level 1 U.S.

[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.

Environmental Protection Agency (EPA) Acute Exposure Guideline Levels (AEGLs) if no REL exists, the OEHHA threshold of 1 for the acute hazard quotient, and any ambient air quality standards (AAQS), as applicable. As further discussed herein, emissions calculations indicated that the public health impacts from TACs associated with the worst-case battery cell malfunction scenario were negligible and would be less than significant from a public health perspective.

2 Project Description

The Project would include a 1,150-Megawatt (MW) utility-scale BESS installation designed to support grid reliability, renewable energy integration, and local energy resilience. The primary components of the Project include a containerized BESS facility, operations and maintenance (O&M) buildings, an on-site Project substation, a 500-kilovolt (kV) overhead generation interconnection (gen-tie) transmission line, and interconnection facilities within the existing Southern California Edison (SCE)-owned and operated Vincent Substation.

Electrical energy will be transferred from the existing power grid to the Project for storage and from the Project to the power grid when additional electricity is needed. The Project will provide additional capacity to the electrical grid to assist with serving load during periods of peak demand by charging when demand is low and discharging when demand is high. This operating principle increases the integration of additional intermittent renewable energy, such as wind and solar, in California's energy mix and reduces the need to operate natural gas power plants. The Project will also serve as an additional local/regional capacity resource that will enhance grid reliability, particularly to the Los Angeles Basin local reliability area and may allow for the deferral or avoidance of regional transmission facilities.

The Project will be remotely operated and monitored year-round as well as supported by on-site O&M staff seven (7) days a week. The Project will be available to receive or deliver energy 24 hours a day and 365 days a year. During the operational life of the Project, qualified technicians will inspect the Project facilities and conduct necessary maintenance to ensure reliable and safe operational readiness.

2.1 Battery Technology Overview

The energy storage facility will utilize a modular and containerized BESS. There are several battery cell technologies commercially available, with one of the most common presently being lithium iron phosphate (LFP) cells, or similar. LFP technology is considered one of the safest, most efficient, and commercially financeable energy storage technologies available on the market. The initial Project concept has been developed assuming an LFP technology. By the time the Project reaches the procurement stage, it is possible for other battery cell technology with proven safety and performance records to be suitable for the Project.

LFP batteries are a type of rechargeable lithium-ion battery that uses 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 traditional lithium-ion batteries. LFP batteries also have a lower environmental impact due to the use of more abundant and less toxic materials like iron and phosphorus.

The Sungrow PowerTitan 2.0 has been selected for this Plume Study as a representative system. The Sungrow PowerTitan 2.0 battery energy storage units are a liquid-cooled system engineered for high safety, efficiency, and rapid deployment. Each PowerTitan 2.0 unit integrates battery modules, Power Conversion Systems (PCS), HVAC,

fire suppression systems, and Battery Energy Management System (BEMS) into a pre-assembled, containerized format. The PowerTitan 2.0 container enclosure protects the batteries from mechanical damage and weather conditions and provides a rigid metal frame to house 6 racks of 8 modules, with each module containing 104 cells. This plug-and-play architecture reduces on-site installation time by up to 80% compared to conventional systems and minimizes the need for field wiring or battery handling (Sungrow 2024).

The PowerTitan 2.0 employs LFP battery chemistry, chosen for its superior thermal stability and resistance to thermal runaway. The olivine crystal structure of LFP provides strong covalent bonding between iron and phosphate ions, which stabilizes the cathode and prevents oxygen release during thermal decomposition, significantly reducing the risk of combustion (Jie 2024). The system's liquid cooling technology maintains optimal cell temperatures across a wide range of environmental conditions, from -30°C to +55°C, and supports high-density deployments without compromising safety. Each unit is National Fire Protection Association (NFPA) compliant, UL9540A-tested, and includes multi-level protection features such as gas detection, thermal sensors, and automatic fire suppression systems (Sungrow 2024).

Recent research into thermal runaway behavior confirms the advantages of LFP chemistry in large-scale applications. Compared to nickel manganese cobalt (NMC)-based systems, LFP batteries exhibit higher thermal runaway onset temperatures, lower peak heat release rates, and slower propagation between cells. The structural stability of LFP translates into a thermal runaway threshold that is typically above 270°C compared to around 150–200°C for NMC. The electrochemical potential of LFP is lower than that of NMC, resulting in a lower nominal cell voltage (approximately 3.2 V versus 3.6–3.7 V for NMC) and consequently lower energy density. LFP cells exhibit superior cycle life, often exceeding 4,000 cycles at 80% depth of discharge, and maintain performance across a wider range of temperatures. LFP cells are also less prone to capacity fade, which not only improves energy performance but also reduces thermal stress on the batteries (Preger et al. 2020). From a safety engineering perspective, the differences in thermal behavior are critical. NMC cells require more aggressive thermal management and are more likely to propagate failure across adjacent cells if a single cell enters thermal runaway. LFP cells, by contrast, tend to fail passively and are less likely to ignite or propagate heat to neighboring cells. This makes LFP a preferred chemistry for stationary applications where safety, longevity, and cost stability are prioritized over compactness. In experimental scenarios involving coupled abuse conditions such as heating combined with overcharge or external short circuit, LFP cells demonstrated delayed ignition, reduced flame height, and lower total heat release. These characteristics are critical in preventing cascading failures in densely packed installations.

The Project's design reflects these safety priorities. The PowerTitan 2.0 units are deployed in rows with physical separation, allowing for effective containment of any thermal event. The system's integrated monitoring and control platform enables real-time diagnostics, predictive maintenance, and remote shutdown capabilities. This level of visibility and control is essential for managing risk and ensuring compliance with California's evolving BESS safety regulations.

The United States' (US) installations of advanced energy storage — almost entirely lithium-ion battery systems — went beyond 3 gigawatt (GW) in the second quarter of 2024 according to research firm Wood Mackenzie Power & Renewables, which forecasts, then records and analyses energy storage deployments (Utility Dive News 2024). California had approximately 13,000 GW of utility scale battery storage installed as of 2024 and is projected to reach 54,000 GW by 2045.

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 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.

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:** Specifies minimum size requiring permits (Lithium, all types, 20 kilowatt-hours (kWh)), specifies maximum limits on sizing for battery systems (Lithium all type, 50 kwh each array), seismic and structural design, spacing (minimum 3 feet separation of arrays), vehicle impact protection, testing, maintenance and repairs, maximum quantities within a building (Lithium of 600 kwh), battery management system (BMS) monitoring, shutdown and notification requirements, automatic smoke detector requirements, automatic fire sprinkler systems, ventilation specifications.

California Fire Code (CFC): the CFC is promulgated in the California Code of Regulations Title 24, Part 9, and contains regulations consistent with nationally recognized and accepted practices for safeguarding life and property from the hazards of:

- Fire and explosion

- Dangerous conditions arising from the storage, handling, and use of hazardous materials and devices
- Hazardous conditions in the use or occupancy of buildings or premise

The CFC also contains provisions to assist emergency response personnel. The CFC is a fully integrated code based on the IFC, described previously.

> **CFC Chapter 12 (Energy Systems):** Chapter 12 was added to the CFC to address standby and emergency power, portable generators, photovoltaic systems, fuel cell energy systems, and energy storage systems. From CFC Chapter 12, a BESS must meet the provisions and requirements of Sections 1201 (General) and 1207 (Electrical Energy Storage Systems).

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.

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.

California Public Utilities Commission (CPUC): is a regulatory agency responsible for overseeing utility services and infrastructure in California, including electricity, natural gas, telecommunications, water, and transportation. Its mission is to ensure that Californians receive safe, reliable, and affordable utility services. The CPUC sets standards, conducts inspections, and enforces regulations to maintain service quality and public safety. It also addresses consumer complaints, offers financial assistance programs, and promotes clean energy initiatives.

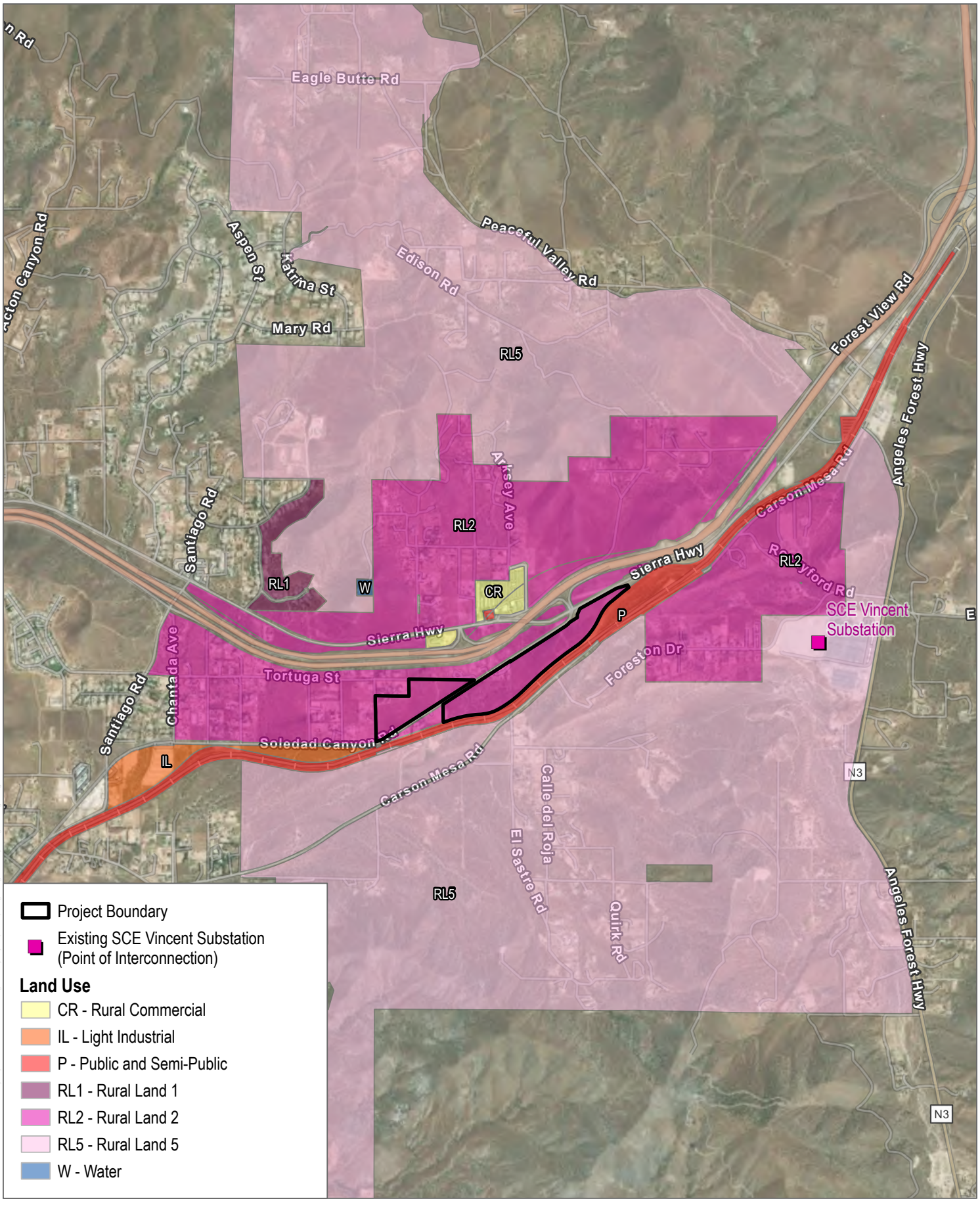
> **CPUC General Order 167-C:** Operational standards and maintenance protocols for electric generation facilities and energy storage systems in California. It emphasizes the importance of reliability and safety, detailing requirements for regular inspections, performance monitoring, and reporting. The order mandates that facilities adhere to specific guidelines to ensure consistent operation and prevent outages, with a focus

on maintaining equipment and infrastructure. Compliance is enforced through periodic audits and penalties for non-compliance, aiming to uphold high standards in the state's energy sector.

4 Neighboring Uses

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 include children, the elderly, athletes, and people with cardiovascular and chronic respiratory diseases. Facilities and structures where these air-pollution-sensitive people live or spend considerable amounts of time are known as “sensitive receptors.” Land uses where air-pollution-sensitive individuals are most likely to spend time include schools and schoolyards, parks and playgrounds, daycare centers, nursing homes, hospitals, and residential communities (sensitive sites or sensitive land uses) (CARB 2005). The Antelope Valley Air Quality Management District (AVAQMD) identifies residences, daycare centers, playgrounds, and medical facilities as sensitive receptors for the purposes of identifying air quality impacts (AVAQMD 2016).

The closest sensitive receptors to the Project site are residences located immediately adjacent to the west (along Malinta Avenue), north (along Tortuga Street and Soledad Canyon Road), and south (across Soledad Canyon Road) of the BESS facility Project site boundary. The nearest school is the Meadowlark Elementary School, approximately 2 miles to the west of the proposed BESS facility. This analysis also assesses impacts to non-sensitive receptor commercial uses, with the nearest approximately 815 feet to the north of the Project. The location of the neighboring uses by type are shown in Figure 1.



SOURCE: MAXAR 2022; Los Angeles County;

DUDEK

0 1,000 2,000 Feet

FIGURE 1

Neighboring Uses

Prairie Song Reliability Project

5 General Analysis and Methodology

As described previously in Section 3, Codes and Standards, based on the requirements in Chapter 12 of the California Fire Code and the NFPA 855 standard, the risk of fire, explosion, and toxic release is minimized by the installation of energy management systems, fire detection and protection systems, explosion control systems, and ventilation. Further protection to the surrounding properties can be provided through proper pre-planning and coordination with local emergency agencies. Pre-planning for BESS facilities is accomplished through the preparation of an Emergency Response and Emergency Action Plan (ERP), which is required by CPUC Section 761.3. ERPs consider responses to potential offsite impacts, including poor air quality, and include procedures that provide for the safety of surrounding properties.

During normal operations, there will be no toxic air emissions from the Project. However, to evaluate potential 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 within 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 to the atmosphere would occur within a relatively short and concentrated period of time, based on the 1-hour exposure of TAC thresholds. Emission rates for each identified pollutant are based on the cell and unit level testing data for the proposed BESS equipment. Per the UL9540A testing, emissions are vented over the course of approximately two hours, which were normalized to an hourly rate for the thermal runaway analysis. 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), hydrogen (H_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 LFP batteries during a thermal runaway event, based on the UL9540A testing.

Table 1. Chemical Constituents Emitted from PowerTitan 2.0 Batteries

Pollutant	Chemical Formula	CAS Number	Measured Percent
Methane	CH_4	74-82-8	6.421%
Acetylene	C_2H_2	74-86-2	0.339%
Ethylene	C_2H_4	74-85-1	3.827%
Ethane	C_2H_6	74-84-0	0.996%
Propylene	C_3H_6	115-07-1	1.227%
Propane	C_3H_8	74-98-6	0.322%
Isobutane	C_4H_{10}	75-28-5	0.013%
Butane	C_4H_{10}	106-97-8	0.091%
Isobutene	C_4H_8	115-11-7	0.085%

Table 1. Chemical Constituents Emitted from PowerTitan 2.0 Batteries

Pollutant	Chemical Formula	CAS Number	Measured Percent
Trans Butene	C_4H_8	624-64-6	0.322%
n-Butene	C_4H_8	106-98-9	0.140%
Pentane	C_5H_{12}	109-66-0	0.110%
Isopentane	C_5H_{12}	78-78-4	0.007%
2-methyl-1,3-butadiene	C_5H_8	78-79-5	0.014%
Carbon Monoxide	CO	630-08-0	13.924%
Carbon Dioxide	CO_2	124-38-9	27.237%
Hydrogen	H_2	1333-74-0	44.925%
		Total	**100.00%**

Source: CCIC-CSA International Certification Co., Ltd 2023.
Notes: CAS = Chemical Abstracts Service.
Pollutants emitted and % composition based on the Cell Test Report UL9540A

The potential impacts of TACs from a thermal runaway event were evaluated using dispersion modeling to calculate offsite concentrations of TACs. The concentrations were then compared to the OEHHA acute RELs, AEGLs if no REL exists, and the OEHHA threshold of 1 for the acute hazard quotient, and any AAQS, as applicable. The methodology of each is discussed further in this section.

5.1 UL9540A Testing

The UL9540A unit tests for the Sungrow PowerTitan 2.0 forced initiating cells into thermal runaway, through the addition of heat via glass fiber thermocouples. No external flaming or flame venting occurred during the UL9540A testing at the unit level. There are no single failures identified in the failure modes and effects analysis, documented in available BESS failure literature, or reported in anecdotal case reports that show or support a mechanism of failure that would cause thermal runaway to occur in all cells within a single module simultaneously, nor propagate to other modules in a rack. As such, there is no existing test data or established failure mechanism in the UL9540A reports that documented all 104 cells within a module or 4,992 cells within a BESS to undergo thermal runaway from a single failure. Rather, thermal runaway propagation from cell to cell would remain a direct component of battery gas release timing, release conditions, and associated consequences for all potential single failures initiating thermal runaway and battery gas venting in the PowerTitan2.0 BESS. Based on the results of the UL9540A tests, modeling results, and historical track record, this analysis conservatively assumes a total of 50 cells would be affected and therefore presents a worst-case analysis.

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. For LFP batteries, the UL9540A testing indicated that the primary toxic pollutants could be any of the pollutants listed in Table 1. However, only 3 of these pollutants are TACs (that have an acute REL or AEGL) that could be potentially released during a thermal runaway event within a BESS that may have an impact on nearby receptors. The TACs include propane, butane, and CO. CO is also the only criteria air pollutant with an established AAQS. Detailed emission calculations are included in Attachment A.

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 TACs emitted from a thermal runaway event on proximate receptors. The dispersion modeling was performed using the American Meteorological Society/EPA Regulatory Model (AERMOD), which the EPA approved 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 the thermal runaway dispersion modeling are presented in Table 2, with complete model results included in Attachment B.

Table 2. AERMOD Principal Parameters – Thermal Runaway Analysis

Parameter	Details
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 multiple sources. The maximum concentrations were determined for the 1-hour and 8-hour averaging period.
Meteorological Data	The latest five-year meteorological data (2016-2020) for the Palmdale Station (KPMD) were obtained from CARB and used in the analysis as the most representative data set based on proximity and wind direction. A wind rose is provided for this station in Figure 2.
Urban versus Rural Option	Urban areas typically have more surface roughness, as well as structures and low-albedo surfaces that absorb more sunlight—and thus more heat—relative to rural areas. Based on the land use procedure from 4.4.1 of the OEHHA Guidance Manual, the rural dispersion was appropriate for the Project site (OEHHA 2015).
Terrain Characteristics and Elevation Data	Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate, and elevations were assigned to the emission sources and receptors. Digital elevation data were obtained through AERMOD View in the U.S. Geological Survey's National Elevation Dataset format with an approximately 1 arc-second resolution.
Emission Sources and Release Parameters	The thermal runaway event was assumed to occur in the BESS container near the O&M buildings as a worst-case scenario based on the predominant wind direction (blowing from the southwest, as shown in Figure 2) and receptor proximity. The BESS container venting during a thermal runaway was modeled as a point source, with the following parameters based on the source location and information from the UL9540A test data and PowerTitan 2.0 container specifications:

Table 2. AERMOD Principal Parameters – Thermal Runaway Analysis

Parameter	Details
	• UTM coordinates of 394880.53 meters E and 3816417.80 meters N; • Base elevation of 925.72 meters; • Vertical stack (vent) height of 2.9 meters; • Inside stack diameter of 0.606 meters; • Gas exhaust temperature of 497.05 Kelvin; • Gas exhaust velocity of 0.005 meters per second; and • Gas exit flow rate of 0.0014 cubic meters per second.
Variable Emissions	No variable emissions were assumed.
Building Downwash	The on-site O&M buildings and BESS containers were input into AERMOD to account for potential downwash.
Receptors	A fence line grid of receptors was generated with the following spacing to evaluate potential air pollutant impacts within a 6-mile radius of the Project: • 25-meter spacing along the Project fence line; • 25-meter spacing from the facility boundary out to 100 meters; • 50-meter spacing from 100 meters to 250 meters; • 100-meter spacing from 250 meters to 500 meters; • 250-meter spacing from 500 meters to 1,000 meters; • 500-meter spacing from 1,000 meters to 2,000 meters; • 1,500-meter spacing from 2,000 meters to 6,000 meters.

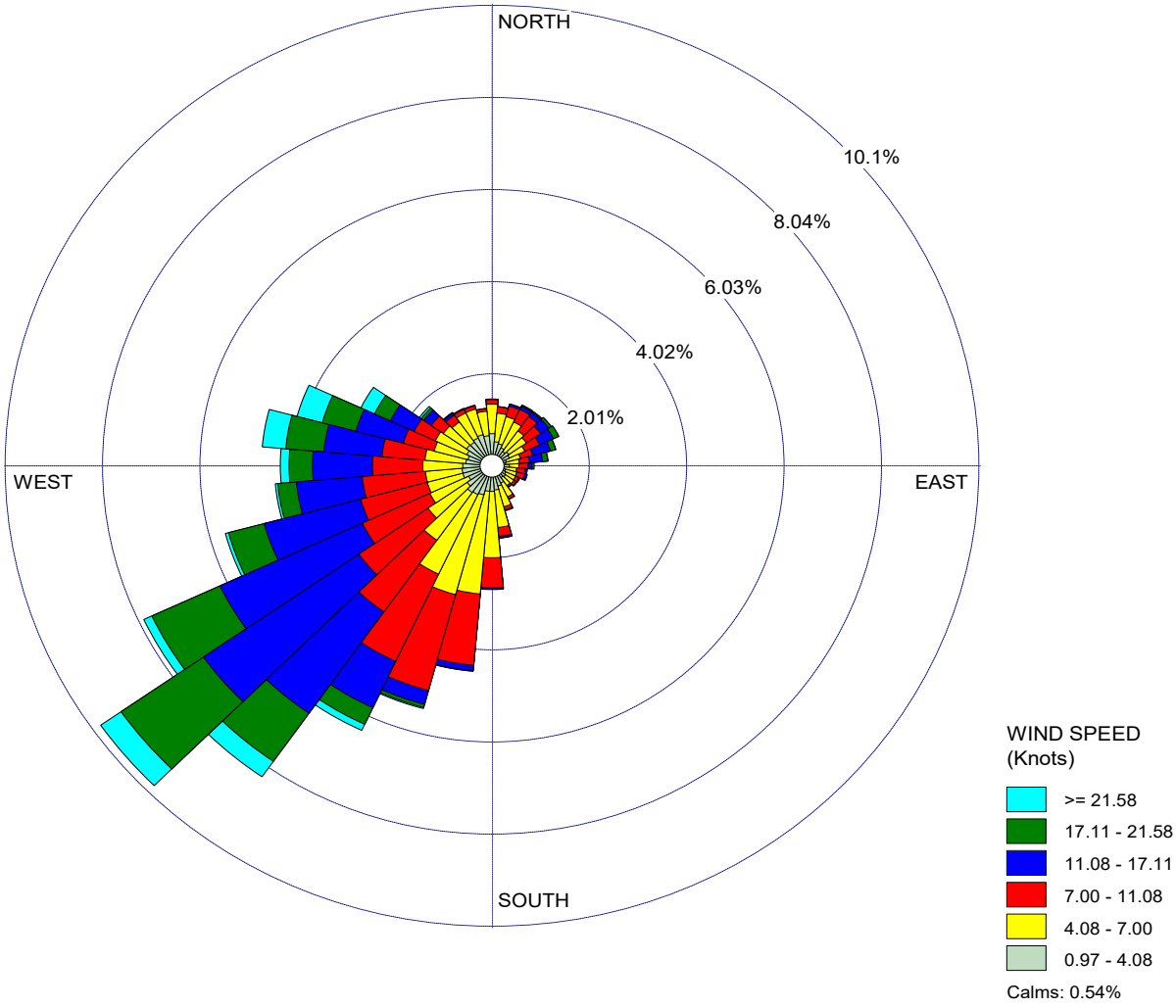
Source: OEHHA 2015.
Notes: AERMOD = American Meteorological Society/EPA Regulatory Model; OEHHA = Office of Environmental Health Hazard Assessment; O&M = operations and maintenance; BESS = battery energy storage system; UTM = Universal Transverse Mercator. See Attachment B for model outputs and parameters.

WIND ROSE PLOT:

Palmdale Meteorological Station
Wind Rose

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD: **Start Date: 1/1/2016 - 00:00** **End Date: 12/31/2020 - 23:59**	COMPANY NAME:	
		MODELER:	
	CALM WINDS: **0.54%**	TOTAL COUNT: **43639 hrs.**	
	AVG. WIND SPEED: **9.35 Knots**	DATE: **8/5/2025**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

SOURCE: Lakes Environmental Software

FIGURE 2
Wind Rose
Prairie Song Reliability Project

DUDEK

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.

In March 2015, the OEHHA approved the 2015 Risk Assessment Guidelines Manual (OEHHA 2015). The assessment was prepared following the 2015 Risk Assessment Guidelines Manual. Noncancer acute health risk calculations were performed for the project using ground-level unity emission concentration (X/Q) input from AERMOD. The concentration result from AERMOD was then multiplied by the emission rate of each pollutant to determine the potential Project concentration at the maximally exposed individual receptor. The Project's maximum concentration for each pollutant was then compared to the REL, the AEGL-1, and AAQS, as applicable, which are defined as follows:

- The REL is the concentration at or below which no adverse health effects are anticipated. The noncancer health impact of an inhaled TAC is measured by the hazard quotient, which is the ratio of the ambient concentration of a TAC in units of micrograms per cubic meter (µg/m^3) divided by the REL, also in units of µg/m^3. The REL is typically based on health effects on a particular target organ system, such as the respiratory system, liver, or central nervous system. Hazard quotients of individual TACs are then summed for each target organ system to obtain a hazard index.

- The AEGL-1 is the airborne concentration of a substance above which it is predicted that the general population, including susceptible individuals, could experience notable discomfort, irritation, or certain asymptomatic non-sensory effects. However, the effects are not disabling and are transient and reversible upon cessation of exposure.

- The national and California AAQS have been set, with an adequate margin of safety, at levels above which concentrations could be harmful to human health and welfare. These standards are designed to protect the most sensitive persons from illness or discomfort.

As this is an acute health risk exposure assessment, the maximum 1-hour and 8-hour emission rates from thermal runaway of 50 cells was assumed. The analysis evaluated impacts at nearby receptors.

6 Significance Criteria

The applicable REL or AEGL-1 for each pollutant evaluated in this assessment is shown below in Table 3. For the acute hazard index assessment, a significant impact would be defined as having an acute hazard index of over 1 (OEHHA 2015). Finally, state and federal AAQS for CO are also presented below.

Table 3. Significance Criteria

Chemical Name	REL (µg/m^3)	AEGL-1 (µg/m^3)	Ambient Air Quality Standard (µg/m^3)
Propane	N/A	9,920	N/A
Butane	N/A	13,074	N/A

Table 3. Significance Criteria

Chemical Name	REL (µg/m³)	AEGL-1 (µg/m³)	Ambient Air Quality Standard (µg/m³)
Carbon monoxide	23,000	N/A	State 1-hour: 22,900
			Federal 1-hour: 40,100
			State 8-hour: 10,300
			Federal 8-hour: 10,300

Source: OEHHA 2020; EPA 2024; CARB 2024.
Notes: N/A = not applicable; REL = reference exposure level; AEGL = acute exposure guideline levels; µg/m³ = microgram per cubic meter.

7 Results

Table 4 presents the results of the acute exposure results of the thermal runaway scenario discussed in Section 5, above.

Table 4. Acute Risk Results

Pollutant	Project Concentration (µg/m³)	REL (µg/m³)	AEGL-1 (µg/m³)	Acute Hazard Quotient
Propane	574.76	N/A	9,920	N/A
Butane	214.08	N/A	13,074	N/A
Carbon Monoxide	15,786.85	23,000	NA	0.69
			Hazard Index	**0.69**

Notes: N/A = not applicable; REL = reference exposure level; AEGL = acute exposure guideline levels; µg/m³ = microgram per cubic meter.
Source: See Attachment A.

As shown in Table 4, the results of the acute risk analysis showed that the emissions from a thermal runaway event (assuming 50 cells) would not result in an acute hazard index greater than the threshold of 1 or exceed the AEGL for any pollutant at the maximally exposed receptor along the northern fence line. Results at all other receptors are lower than those presented in Table 4 above. As such, no adverse health effects are anticipated at any receptors from exposure to a thermal runaway event. The results from the ambient air quality modeling assessment are presented in Table 5.

Table 5. Ambient Air Quality Assessment Results

Impact Parameter	Applicable Standard	Background Concentration (µg/m³)	Project Concentration (µg/m³)	Cumulative Concentration (µg/m³)	AAQS Threshold (µg/m³)
1-hour Carbon Monoxide	State	1,604	15,786.85	17,391	22,900
	Federal	1,604	15,786.85	17,391	40,100
8-hour Carbon Monoxide	State	1,260	5,386.04	6,646	10,300
	Federal	1,260	5,386.04	6,646	10,300

Source: See Attachment A.
Note: µg/m³ = microgram per cubic meter.

As shown in Table 5, the results of the ambient air quality analysis showed that concentrations at the maximally exposed receptor would be below the 1-hour and 8-hour carbon monoxide state and federal ambient air quality standards. Therefore, the Project would not cause or contribute to an exceedance of an ambient air quality standard due to a thermal runway event.

8 Conclusions

As shown in Section 7, the results of the thermal runaway analysis show that emissions from the BESS would not result in an acute hazard index greater than the threshold of 1, exceed the AEGL, or exceed any AAQS at the maximally exposed receptor assuming 50 cells underwent thermal runaway. The risk calculations are contained in Attachment A and the dispersion modeling outputs are in Attachment B.

The results determined in this analysis reflect conservative estimates of source emissions and emission release 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 OEHHA and AVAQMD 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 one unit 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 sensitive receptors.

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Attachment A

Emission Calculations

Prairie Song BESS Project

Thermal Runaway - Emissions and Modeling Parameters

TAC Emission Calculations

				Volume of gas (L)				Mass for 50 Cells Thermal Runaway			Acute REL		
Pollutant	**Chemical Formula**	**CAS**	**Measured %**	**Cell**	**Molar Mass (g/mol)**	**Density (g/L)**	**Density (kg/L)**	**kg**	**lb**	**lb/hr**	**(µg/m3)**	**AEGL (ppm)**	**AEGL (µg/m3)**
Methane	CH4	74-82-8	6.421%	12.71	16.04	2.64	0.003	1.68	3.69	1.92	NA	NA	NA
Acetylene	C2H2	74-86-2	0.339%	0.67	26.04	4.28	0.004	0.14	0.32	0.16	NA	NA	NA
Ethylene	C2H4	74-85-1	3.827%	7.58	28.05	4.62	0.005	1.75	3.85	2.00	NA	NA	NA
Ethane	C2H6	74-84-0	0.996%	1.97	30.07	4.95	0.005	0.49	1.07	0.56	NA	NA	NA
Propylene	C3H6	115-07-1	1.227%	2.43	42.08	6.92	0.007	0.84	1.85	0.96	NA	NA	NA
Propane	C3H8	74-98-6	0.322%	0.64	44.10	7.26	0.007	0.23	0.51	0.26	NA	5,500	9,920
Isobutane	C4H10	75-28-5	0.013%	0.03	58.12	9.56	0.010	0.01	0.03	0.01	NA	NA	NA
Butane	C4H10	106-97-8	0.091%	0.18	58.12	9.56	0.010	0.09	0.19	0.10	NA	5,500	13,074
Isobutene	C4H8	115-11-7	0.085%	0.17	56.11	9.23	0.009	0.08	0.17	0.09	NA	NA	NA
Trans butene	C4H8	624-64-6	0.322%	0.64	56.11	9.23	0.009	0.29	0.65	0.34	NA	NA	NA
n-Butene	C4H8	106-98-9	0.140%	0.28	56.11	9.23	0.009	0.13	0.28	0.15	NA	NA	NA
Pentane	C5H12	109-66-0	0.110%	0.22	72.15	11.87	0.012	0.13	0.28	0.15	NA	NA	NA
Isopentane	C5H12	78-78-4	0.007%	0.01	72.15	11.87	0.012	0.01	0.02	0.01	NA	NA	NA
2-methyl-1,3-butadiene	C5H8	78-79-5	0.014%	0.03	68.12	11.21	0.011	0.02	0.03	0.02	NA	NA	NA
Carbon Monoxide	CO	630-08-0	13.924%	27.57	28.01	4.61	0.005	6.35	13.98	7.28	23,000	NA	NA
Carbon Dioxide	CO2	124-38-9	27.237%	53.92	44.01	7.24	0.007	19.52	42.95	22.37	NA	NA	NA
Hydrogen	H2	1333-74-0	44.925%	88.94	2.02	0.33	0.000	1.48	3.25	1.69	NA	NA	NA
Check sum			*100.00%*	*197.98*									
			Total Volume of Gas	197.98									

Source: Gas Composition based on Cell Test Report UL 9540A. Volume of Gas conservatively based on Unit Test Report UL 9540A for Sungrow Power Supply Co., Ltd. PowerTitan 2.0, Total L (989.9 L) divided by 5 cells that underwent Thermal Runaway

AEGLs are based on 60 minute exposure period

Number of Cells/Module	104	cells/module (from UL9540 test data)
	8	modules per rack
	6	racks per unit
	4,992	cells per unit
	5	cells exhibited thermal runaway of rack
	50	cells conservatively assumed to undergo thermal runaway in modeling
	14:25 - 16:20	hours of venting (from Unit UL9540 test data)
	1.92	hours of venting
	223.9	degrees C, maximum module surface temperature at thermal runaway (from UL9540 test data)
	0.68	maximum pressure megapascal (MPa) (from UL9540 test data)

Density Calculation:

p=PM/RT			Source:
P	6.71	atm	UL9540A
M	Molar Mass	g/mol	
R	0.08206	L.atm/K-mol	constant
T	497.1	K	UL9540A

AERMOD Parameters

AERMOD Source Name	Equipment Description	UTM X (m)	UTM Y (m)	Stack Direction	Volume of Gas Vented (ft^3)	Gas Exhaust Velocity (ft^3/min)	Gas Exhaust Velocity (m/s)	Gas Exit Flow Rate (m3/s)	Stack Height (m)	Stack Inside Diameter (m)	Gas Exhaust T (K)
STCK1	Battery Container Vent	394880.53	3816417.8	Vertical	349.580	3.035	0.005	0.0014	2.900	0.606	497.05

Notes:

Volume of gas vented (L) based on UL9540A testing and converted to cubic feet, conservatively assuming 10x the cells from testing undergo thermal runaway

Gas exhaust velocity based on the volume of gas vented and time from UL 9540A test data

Gas exhaust temperature based on the highest module surface temperature UL 9540A test data

Release height (stack height) and diameter based on SunGrow PowerTitan 2.0 ST5015UX-US Battery Container Specifications

Conversions:

1 liter =	0.03531	ft^3
1 meter =	1,000	mm
1 MPa =	9.87	atm
K =	degrees C + 273.15	

Receptors - Off-Site Nested Grid

Distance from Bounding Box (m)	Spacing (m)
0	25
100	25
250	50
500	100
1,000	250
2,000	500

6,000	1,500

Building Downwash

Assumptions	
Included?	Yes, 2,400 sf O&M buildings (15 ft tall), BESS Containers (9.5 ft tall)

Meteorological Data

Station Name		Years	Elev (m)
KPMD	Palmdale	2016-2020	769.2

KPMD from https://ww2.arb.ca.gov/resources/documents/harp-aermod-meteorological-files

Other Model Assumption

Rural or Urban	Rural
Urban Grp Pop	N/A
Variable Emissions	N/A
Terrain Data	NED 1
Lakes Version	13.0
AERMOD Version	24142

2.2.3 Ventilation Design

The battery container intakes air from the front / top side and expels it from the top, as shown below.

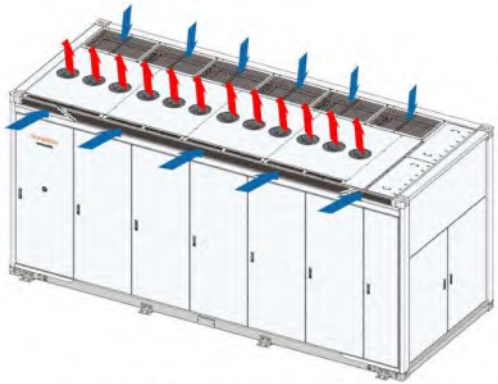

Figure 2-5 Schematic diagram of ventilation

2.2.2 Mechanical Parameters

Dimensions

The external dimensions of the container are shown in the figure.

Figure 2-3 Dimensions of battery container

Height =	2896	mm
	2.896	m
Cabinet width =	6058	mm
Per panel estimate =	1211.6	mm
2x vent diameter =	605.8	mm

Prairie Song BESS Project

Thermal Runaway Analysis Results

Table 1. Max Emission Rates for Project - 50 Cell Thermal Runaway			
Max Rates	**Propane**	**Butane**	**Carbon Monoxide**
Hourly Max, g/s	0.033	0.012	0.917
Hourly Max lbs/hr	0.26	0.10	7.28

Table 2. AERMOD Maximum Impact X/Q, ($\mu g/m^3$)/(g/s)	
Max 1-Hour	**Max 8-Hour**
17,213.99	5,872.94

Note: These concentrations are based on the AERMOD Results Summary Report

Table 3. Project Contribution Concentrations (ug/m3)								
Pollutant	**CAS No.**	**Hr. Max (g/s)**	**X/Q (µg/m3)/(g/s)**	**Project Concentration (µg/m3)**	**REL (µg/m3)**	**AEGL (µg/m3)**	**Project Exceed REL or AEGL?**	**Acute Hazard Quotient**
		(from Table 1)	**(from Table 2)**					
Propane	74986	0.033	17,213.99	574.76	NA	9,920	No	NA
Butane	106978	0.012	17,213.99	214.08	NA	13,074	No	NA
Carbon Monoxide	630080	0.92	17,213.99	15,786.85	23,000	NA	No	0.69
							Hazard Index	**0.69**

Notes: A threshold of 1 was assumed for the acute hazard index.

Table 4. AAQA for Prairie Song BESS Project							
Impact Parameter	**Applicable Standard**	**Project Area Maximum Background Concentration (Years 2021-2023)**		**Max Project Contribution (µg/m3)**	**Cumulative Concentration (µg/m3)**	**AAQS Threshold (µg/m3)**	**Exceed AAQS Threshold?**
		ppmv	**$\mu g/m^3$**				
1-hour CO	State	1.4	1,604	15,786.85	17,391	22,900	No
	Federal	1.4	1,604	15,786.85	17,391	40,100	No
8-hour CO	State	1.1	1,260	5,386.04	6,646	10,300	No
	Federal	1.1	1,260	5,386.04	6,646	10,300	No

Sources:

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Attachment B

Dispersion Modeling Outputs

Results Summary

C:\Lakes\AERMOD View\Prairie Song Plume Study
Prairie Song BESS Plume Study

ALL - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	17213.99068	ug/m^3	394870.84	3816458.94	926.90	0.00	1440.10	2/11/2017, 23
8-HR	1ST	5872.93769	ug/m^3	394870.84	3816458.94	926.90	0.00	1440.10	3/22/2020, 8

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 8/11/2025
** File: C:\Users\mmorales\Desktop\Projects\Prairie Song Plume Study\Prairie Song
Plume Study.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Prairie Song Plume Study
   TITLETWO Prairie Song BESS Plume Study
   MODELOPT DFAULT CONC
   AVERTIME 1 8
   POLLUTID ALL
   RUNORNOT RUN
   ERRORFIL "Prairie Song Plume Study.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      394880.530  3816417.800      925.720
** DESCRSRC Battery Container Vent
** Source Parameters **
   SRCPARAM STCK1              1.0     2.900   497.050 0.00496611524943799     0.606

** Building Downwash **
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
```

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   BUILDWID STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDWID STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDWID STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDWID STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDWID STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDWID STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDLEN STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDLEN STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDLEN STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDLEN STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDLEN STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDLEN STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   XBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   XBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   XBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   XBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   XBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   XBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Prairie Song Plume Study.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "Met Data\Palmdale KPMD_723820_23182\723820_2016-2020_AdjU.sfc"
   PROFFILE "Met Data\Palmdale KPMD_723820_23182\723820_2016-2020_AdjU.PFL"
   SURFDATA 23182 2016
   UAIRDATA 3190 2016
```

```
   PROFBASE 769.2 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "PRAIRIE SONG PLUME STUDY.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "PRAIRIE SONG PLUME STUDY.AD\08H1GALL.PLT" 32
   SUMMFILE "Prairie Song Plume Study.sum"
OU FINISHED


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

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

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


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


    ********   WARNING MESSAGES   ********
 ME W186     100       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187     100       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                        ***       09:14:47

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
```

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

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) =   769.20 ; 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 =   8.1 MB of RAM.

 **Input Runstream File: aermod.inp

 **Output Print File: aermod.out

 **Detailed Error/Message File: Prairie Song Plume Study.err

 **File for Summary of Results: Prairie Song Plume Study.sum

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                                                    *** POINT SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   STACK   STACK
STACK   STACK   BLDG   URBAN CAP/ EMIS RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT TEMP.   EXIT
VEL. DIAMETER EXISTS SOURCE HOR   SCALAR
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (DEG.K)
(M/SEC) (METERS)   VARY BY
 -
- -

 STCK1   0   0.10000E+01 394880.5 3816417.8   925.7   2.90   497.05
0.00   0.61   NO   NO   NO

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	STCK1 ,

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

(394631.2, 3816480.7, 918.5, 1440.1, 0.0); (394655.1, 3816481.0, 919.4, 1440.1, 0.0);
(394679.0, 3816481.3, 920.4, 1440.1, 0.0); (394703.0, 3816481.6, 921.5, 1440.1, 0.0);
(394726.9, 3816482.0, 922.2, 1440.1, 0.0); (394750.8, 3816482.3, 923.3, 1440.1, 0.0);
(394774.8, 3816482.6, 924.9, 1440.1, 0.0); (394798.7, 3816482.9, 926.1, 1440.1, 0.0);
(394822.6, 3816483.3, 926.6, 1440.1, 0.0); (394846.6, 3816483.6, 927.4, 1440.1, 0.0);
(394870.5, 3816483.9, 928.0, 1440.1, 0.0); (394894.4, 3816484.3, 929.3, 1440.1, 0.0);
(394918.4, 3816484.6, 930.2, 1440.1, 0.0); (394942.3, 3816484.9, 930.4, 1440.1, 0.0);
(394966.2, 3816485.2, 930.1, 1440.1, 0.0); (394990.1, 3816485.6, 929.8, 1440.1, 0.0);
(395014.1, 3816485.9, 929.8, 1440.1, 0.0); (395038.0, 3816486.2, 929.9, 1440.1, 0.0);
(395062.0, 3816486.6, 930.0, 1440.1, 0.0); (394613.6, 3816498.4, 918.5, 1440.1, 0.0);
(394588.9, 3816473.9, 916.1, 1440.1, 0.0); (394654.8, 3816506.0, 920.4, 1440.1, 0.0);
(394678.7, 3816506.3, 921.4, 1440.1, 0.0); (394702.6, 3816506.6, 922.3, 1440.1, 0.0);
(394726.6, 3816507.0, 923.4, 1440.1, 0.0); (394750.5, 3816507.3, 924.4, 1440.1, 0.0);

```
     ( 394774.4, 3816507.6,     925.5,    1440.1,       0.0);         ( 394798.4,
3816507.9,     926.6,    1440.1,       0.0);
     ( 394822.3, 3816508.3,     927.6,    1440.1,       0.0);         ( 394846.2,
3816508.6,     928.5,    1440.1,       0.0);
     ( 394870.2, 3816508.9,     929.3,    1440.1,       0.0);         ( 394894.1,
3816509.3,     930.1,    1440.1,       0.0);
     ( 394918.0, 3816509.6,     930.6,    1440.1,       0.0);         ( 394942.0,
3816509.9,     931.0,    1440.1,       0.0);
     ( 394965.9, 3816510.2,     931.2,    1440.1,       0.0);         ( 394989.8,
3816510.6,     931.2,    1440.1,       0.0);
     ( 395013.7, 3816510.9,     931.2,    1440.1,       0.0);         ( 395037.7,
3816511.2,     931.3,    1440.1,       0.0);
     ( 395061.6, 3816511.6,     931.5,    1440.1,       0.0);         ( 394613.2,
3816523.4,     920.6,    1440.1,       0.0);
     ( 394571.3, 3816491.6,     915.9,    1440.1,       0.0);         ( 394654.4,
3816531.0,     922.9,    1440.1,       0.0);
     ( 394678.4, 3816531.3,     923.4,    1440.1,       0.0);         ( 394702.3,
3816531.6,     924.0,    1440.1,       0.0);
     ( 394726.2, 3816532.0,     924.7,    1440.1,       0.0);         ( 394750.2,
3816532.3,     925.8,    1440.1,       0.0);
     ( 394774.1, 3816532.6,     926.5,    1440.1,       0.0);         ( 394798.0,
3816532.9,     927.7,    1440.1,       0.0);
     ( 394822.0, 3816533.3,     928.8,    1440.1,       0.0);         ( 394845.9,
3816533.6,     929.9,    1440.1,       0.0);
     ( 394869.8, 3816533.9,     930.6,    1440.1,       0.0);         ( 394893.8,
3816534.3,     931.4,    1440.1,       0.0);
     ( 394917.7, 3816534.6,     932.1,    1440.1,       0.0);         ( 394941.6,
3816534.9,     932.7,    1440.1,       0.0);
     ( 394965.5, 3816535.2,     932.8,    1440.1,       0.0);         ( 394989.5,
3816535.6,     932.5,    1440.1,       0.0);
     ( 395013.4, 3816535.9,     932.5,    1440.1,       0.0);         ( 395037.3,
3816536.2,     932.7,    1440.1,       0.0);
     ( 395061.3, 3816536.5,     932.9,    1440.1,       0.0);         ( 394612.9,
3816548.4,     924.9,    1440.1,       0.0);
     ( 394578.3, 3816533.8,     921.5,    1440.1,       0.0);         ( 394553.7,
3816509.3,     916.7,    1440.1,       0.0);
     ( 394538.9, 3816474.9,     914.6,    1440.1,       0.0);         ( 394654.1,
3816556.0,     926.9,    1440.1,       0.0);
     ( 394678.0, 3816556.3,     927.3,    1440.1,       0.0);         ( 394702.0,
3816556.6,     927.7,    1440.1,       0.0);
     ( 394725.9, 3816557.0,     928.3,    1440.1,       0.0);         ( 394749.8,
3816557.3,     929.3,    1440.1,       0.0);
     ( 394773.8, 3816557.6,     930.0,    1440.1,       0.0);         ( 394797.7,
3816557.9,     931.1,    1440.1,       0.0);
     ( 394821.6, 3816558.3,     932.1,    1440.1,       0.0);         ( 394845.5,
3816558.6,     933.2,    1440.1,       0.0);
     ( 394869.5, 3816558.9,     934.1,    1440.1,       0.0);         ( 394893.4,
3816559.3,     935.0,    1440.1,       0.0);
     ( 394917.3, 3816559.6,     935.9,    1440.1,       0.0);         ( 394941.3,
3816559.9,     936.7,    1440.1,       0.0);
```

(394965.2, 3816560.2, 936.9, 1440.1, 0.0); (394989.1, 3816560.6, 936.3, 1440.1, 0.0);
(395013.1, 3816560.9, 935.2, 1440.1, 0.0); (395037.0, 3816561.2, 934.4, 1440.1, 0.0);
(395060.9, 3816561.5, 934.5, 1440.1, 0.0); (394608.7, 3816596.9, 932.2, 1440.1, 0.0);
(394588.0, 3816588.2, 930.8, 1440.1, 0.0); (394567.3, 3816579.5, 928.9, 1440.1, 0.0);
(394516.9, 3816541.3, 922.7, 1440.1, 0.0); (394499.2, 3816500.0, 915.2, 1440.1, 0.0);
(394490.4, 3816479.3, 913.7, 1440.1, 0.0); (394653.4, 3816606.0, 932.8, 1440.1, 0.0);
(394677.3, 3816606.3, 932.5, 1440.1, 0.0); (394701.3, 3816606.6, 931.9, 1440.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394725.2, 3816607.0, 931.4, 1440.1, 0.0); (394749.1, 3816607.3, 931.2, 1440.1, 0.0);
(394773.1, 3816607.6, 933.2, 1440.1, 0.0); (394797.0, 3816607.9, 934.9, 1440.1, 0.0);
(394820.9, 3816608.3, 935.5, 1440.1, 0.0); (394844.9, 3816608.6, 936.1, 1440.1, 0.0);
(394868.8, 3816608.9, 936.5, 1440.1, 0.0); (394892.7, 3816609.2, 937.0, 1440.1, 0.0);
(394916.6, 3816609.6, 937.7, 1440.1, 0.0); (394940.6, 3816609.9, 938.2, 1440.1, 0.0);
(394964.5, 3816610.2, 938.9, 1440.1, 0.0); (394988.4, 3816610.6, 939.8, 1440.1, 0.0);
(395012.4, 3816610.9, 940.5, 1440.1, 0.0); (395036.3, 3816611.2, 941.2, 1440.1, 0.0);
(395060.2, 3816611.5, 941.6, 1440.1, 0.0); (394609.0, 3816647.3, 932.8, 1440.1, 0.0);
(394569.5, 3816630.7, 932.7, 1440.1, 0.0); (394530.0, 3816614.1, 933.4, 1440.1, 0.0);
(394482.1, 3816577.8, 925.3, 1440.1, 0.0); (394465.3, 3816538.4, 921.4, 1440.1, 0.0);
(394448.4, 3816499.0, 914.2, 1440.1, 0.0); (394652.7, 3816656.0, 934.0, 1440.1, 0.0);
(394676.6, 3816656.3, 934.5, 1440.1, 0.0); (394700.6, 3816656.6, 935.1, 1440.1, 0.0);

```
     ( 394724.5, 3816656.9,     935.0,    1440.1,       0.0);         ( 394748.5,
3816657.3,     935.3,    1440.1,       0.0);
     ( 394772.4, 3816657.6,     936.1,    1440.1,       0.0);         ( 394796.3,
3816657.9,     936.4,    1440.1,       0.0);
     ( 394820.2, 3816658.3,     936.5,    1440.1,       0.0);         ( 394844.2,
3816658.6,     937.0,    1440.1,       0.0);
     ( 394868.1, 3816658.9,     937.5,    1440.1,       0.0);         ( 394892.0,
3816659.2,     938.4,    1440.1,       0.0);
     ( 394916.0, 3816659.6,     939.6,    1440.1,       0.0);         ( 394939.9,
3816659.9,     940.4,    1440.1,       0.0);
     ( 394963.8, 3816660.2,     940.8,    1440.1,       0.0);         ( 394987.8,
3816660.6,     941.1,    1440.1,       0.0);
     ( 395011.7, 3816660.9,     941.1,    1440.1,       0.0);         ( 395035.6,
3816661.2,     941.5,    1440.1,       0.0);
     ( 395059.5, 3816661.5,     941.1,    1440.1,       0.0);         ( 394606.5,
3816696.5,     938.8,    1440.1,       0.0);
     ( 394584.9, 3816687.5,     938.6,    1440.1,       0.0);         ( 394563.3,
3816678.4,     938.1,    1440.1,       0.0);
     ( 394541.7, 3816669.3,     937.0,    1440.1,       0.0);         ( 394520.1,
3816660.2,     936.1,    1440.1,       0.0);
     ( 394498.5, 3816651.1,     935.8,    1440.1,       0.0);         ( 394476.9,
3816642.0,     934.9,    1440.1,       0.0);
     ( 394446.1, 3816611.4,     933.2,    1440.1,       0.0);         ( 394436.8,
3816589.9,     927.3,    1440.1,       0.0);
     ( 394427.6, 3816568.3,     924.3,    1440.1,       0.0);         ( 394418.4,
3816546.8,     923.6,    1440.1,       0.0);
     ( 394409.2, 3816525.2,     918.0,    1440.1,       0.0);         ( 394400.0,
3816503.7,     914.5,    1440.1,       0.0);
     ( 394390.8, 3816482.1,     912.2,    1440.1,       0.0);         ( 394628.1,
3816705.6,     939.1,    1440.1,       0.0);
     ( 394652.0, 3816706.0,     939.2,    1440.1,       0.0);         ( 394676.0,
3816706.3,     939.4,    1440.1,       0.0);
     ( 394699.9, 3816706.6,     939.6,    1440.1,       0.0);         ( 394723.8,
3816706.9,     939.9,    1440.1,       0.0);
     ( 394747.8, 3816707.3,     940.5,    1440.1,       0.0);         ( 394771.7,
3816707.6,     940.6,    1440.1,       0.0);
     ( 394795.6, 3816707.9,     942.4,    1440.1,       0.0);         ( 394819.6,
3816708.3,     940.6,    1440.1,       0.0);
     ( 394843.5, 3816708.6,     940.2,    1440.1,       0.0);         ( 394867.4,
3816708.9,     940.6,    1440.1,       0.0);
     ( 394891.3, 3816709.2,     940.7,    1440.1,       0.0);         ( 394915.3,
3816709.6,     941.6,    1440.1,       0.0);
     ( 394939.2, 3816709.9,     943.4,    1440.1,       0.0);         ( 394963.1,
3816710.2,     944.5,    1440.1,       0.0);
     ( 394987.1, 3816710.5,     944.3,    1440.1,       0.0);         ( 395011.0,
3816710.9,     944.1,    1440.1,       0.0);
     ( 395034.9, 3816711.2,     944.8,    1440.1,       0.0);         ( 395058.9,
3816711.5,     946.1,    1440.1,       0.0);
     ( 394606.7, 3816746.9,     947.1,    1440.1,       0.0);         ( 394585.9,
3816738.2,     947.2,    1440.1,       0.0);
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(394544.5, 3816720.8, 946.5, 1440.1, 0.0); (394523.7, 3816712.0, 945.8, 1440.1, 0.0);
(394482.2, 3816694.6, 943.5, 1440.1, 0.0); (394461.5, 3816685.9, 942.4, 1440.1, 0.0);
(394411.2, 3816647.7, 935.1, 1440.1, 0.0); (394402.3, 3816627.0, 933.7, 1440.1, 0.0);
(394393.5, 3816606.4, 931.5, 1440.1, 0.0); (394375.8, 3816565.0, 924.2, 1440.1, 0.0);
(394367.0, 3816544.3, 922.3, 1440.1, 0.0); (394358.1, 3816523.6, 916.6, 1440.1, 0.0);
(394340.4, 3816482.2, 911.0, 1440.1, 0.0); (394651.3, 3816756.0, 946.0, 1440.1, 0.0);
(394675.3, 3816756.3, 945.4, 1440.1, 0.0); (394699.2, 3816756.6, 945.1, 1440.1, 0.0);
(394723.1, 3816756.9, 945.8, 1440.1, 0.0); (394747.1, 3816757.3, 946.4, 1440.1, 0.0);

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

(394771.0, 3816757.6, 946.3, 1440.1, 0.0); (394794.9, 3816757.9, 945.5, 1440.1, 0.0);
(394818.9, 3816758.2, 945.4, 1440.1, 0.0); (394842.8, 3816758.6, 945.9, 1440.1, 0.0);
(394866.7, 3816758.9, 946.4, 1440.1, 0.0); (394890.7, 3816759.2, 947.0, 1440.1, 0.0);
(394914.6, 3816759.6, 947.6, 1440.1, 0.0); (394938.5, 3816759.9, 948.1, 1440.1, 0.0);
(394962.5, 3816760.2, 948.4, 1440.1, 0.0); (394986.4, 3816760.5, 947.6, 1440.1, 0.0);
(395010.3, 3816760.9, 947.1, 1440.1, 0.0); (395034.2, 3816761.2, 948.2, 1440.1, 0.0);
(395058.2, 3816761.5, 949.4, 1440.1, 0.0); (394604.7, 3816796.4, 955.9, 1440.1, 0.0);
(394582.7, 3816787.1, 956.0, 1440.1, 0.0); (394560.8, 3816777.9, 956.3, 1440.1, 0.0);
(394538.8, 3816768.6, 955.8, 1440.1, 0.0); (394516.8, 3816759.4, 954.6, 1440.1, 0.0);
(394494.8, 3816750.1, 954.3, 1440.1, 0.0); (394472.8, 3816740.9, 953.8, 1440.1, 0.0);
(394450.8, 3816731.6, 952.5, 1440.1, 0.0); (394428.8, 3816722.4, 950.8, 1440.1, 0.0);

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     ( 394406.8, 3816713.1,     949.8,    1440.1,       0.0);         ( 394375.4,
3816681.9,     944.4,    1440.1,       0.0);
     ( 394366.0, 3816660.0,     940.0,    1440.1,       0.0);         ( 394356.6,
3816638.1,     935.3,    1440.1,       0.0);
     ( 394347.3, 3816616.1,     933.0,    1440.1,       0.0);         ( 394337.9,
3816594.2,     927.9,    1440.1,       0.0);
     ( 394328.5, 3816572.2,     924.1,    1440.1,       0.0);         ( 394319.1,
3816550.3,     923.5,    1440.1,       0.0);
     ( 394309.7, 3816528.4,     917.6,    1440.1,       0.0);         ( 394300.4,
3816506.4,     914.0,    1440.1,       0.0);
     ( 394291.0, 3816484.5,     912.2,    1440.1,       0.0);         ( 394626.7,
3816805.6,     955.4,    1440.1,       0.0);
     ( 394650.7, 3816805.9,     953.9,    1440.1,       0.0);         ( 394674.6,
3816806.3,     952.3,    1440.1,       0.0);
     ( 394698.5, 3816806.6,     951.1,    1440.1,       0.0);         ( 394722.5,
3816806.9,     951.6,    1440.1,       0.0);
     ( 394746.4, 3816807.3,     951.8,    1440.1,       0.0);         ( 394770.3,
3816807.6,     951.6,    1440.1,       0.0);
     ( 394794.2, 3816807.9,     951.4,    1440.1,       0.0);         ( 394818.2,
3816808.2,     951.0,    1440.1,       0.0);
     ( 394842.1, 3816808.6,     950.4,    1440.1,       0.0);         ( 394866.0,
3816808.9,     950.5,    1440.1,       0.0);
     ( 394890.0, 3816809.2,     952.9,    1440.1,       0.0);         ( 394913.9,
3816809.6,     955.5,    1440.1,       0.0);
     ( 394937.8, 3816809.9,     954.1,    1440.1,       0.0);         ( 394961.8,
3816810.2,     951.2,    1440.1,       0.0);
     ( 394985.7, 3816810.5,     951.3,    1440.1,       0.0);         ( 395009.6,
3816810.9,     951.1,    1440.1,       0.0);
     ( 395033.6, 3816811.2,     951.7,    1440.1,       0.0);         ( 395057.5,
3816811.5,     952.0,    1440.1,       0.0);
     ( 394604.6, 3816896.9,     980.0,    1440.1,       0.0);         ( 394583.9,
3816888.2,     980.1,    1440.1,       0.0);
     ( 394542.4, 3816870.7,     979.4,    1440.1,       0.0);         ( 394521.7,
3816862.0,     979.4,    1440.1,       0.0);
     ( 394480.2, 3816844.6,     977.9,    1440.1,       0.0);         ( 394438.7,
3816827.1,     977.8,    1440.1,       0.0);
     ( 394418.0, 3816818.4,     978.5,    1440.1,       0.0);         ( 394376.5,
3816801.0,     983.2,    1440.1,       0.0);
     ( 394355.8, 3816792.2,     984.5,    1440.1,       0.0);         ( 394305.4,
3816754.1,     976.6,    1440.1,       0.0);
     ( 394287.8, 3816712.7,     959.1,    1440.1,       0.0);         ( 394278.9,
3816692.0,     950.9,    1440.1,       0.0);
     ( 394270.1, 3816671.4,     943.8,    1440.1,       0.0);         ( 394252.4,
3816630.0,     934.0,    1440.1,       0.0);
     ( 394243.5, 3816609.3,     931.4,    1440.1,       0.0);         ( 394234.7,
3816588.6,     927.0,    1440.1,       0.0);
     ( 394217.0, 3816547.2,     922.6,    1440.1,       0.0);         ( 394208.1,
3816526.6,     918.5,    1440.1,       0.0);
     ( 394199.3, 3816505.9,     915.5,    1440.1,       0.0);         ( 394649.3,
3816905.9,     974.5,    1440.1,       0.0);
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(394673.2, 3816906.3, 969.6, 1440.1, 0.0); (394697.2,
3816906.6, 966.3, 1440.1, 0.0);
(394721.1, 3816906.9, 964.6, 1440.1, 0.0); (394745.0,
3816907.3, 964.2, 1440.1, 0.0);
(394769.0, 3816907.6, 964.4, 1440.1, 0.0); (394792.9,
3816907.9, 965.2, 1440.1, 0.0);
(394816.8, 3816908.2, 965.3, 1440.1, 0.0); (394840.8,
3816908.6, 964.1, 1440.1, 0.0);
(394864.7, 3816908.9, 962.8, 1440.1, 0.0); (394888.6,
3816909.2, 961.8, 1440.1, 0.0);
(394912.5, 3816909.5, 961.2, 1440.1, 0.0); (394936.5,
3816909.9, 960.3, 1440.1, 0.0);
(394960.4, 3816910.2, 958.9, 1440.1, 0.0); (394984.3,
3816910.5, 957.9, 1440.1, 0.0);
(395008.3, 3816910.9, 958.2, 1440.1, 0.0); (395032.2,
3816911.2, 958.9, 1440.1, 0.0);
(395056.1, 3816911.5, 959.2, 1440.1, 0.0); (394602.9,
3816996.7, 1006.8, 1439.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394581.8, 3816987.8, 1014.6, 1188.9, 0.0); (394560.6,
3816979.0, 1022.4, 1188.9, 0.0);
(394539.5, 3816970.1, 1023.8, 1188.9, 0.0); (394518.4,
3816961.2, 1020.2, 1188.9, 0.0);
(394497.3, 3816952.3, 1013.4, 1188.9, 0.0); (394476.1,
3816943.4, 1014.1, 1188.9, 0.0);
(394455.0, 3816934.5, 1017.5, 1188.9, 0.0); (394433.9,
3816925.7, 1018.5, 1188.9, 0.0);
(394412.8, 3816916.8, 1016.6, 1188.9, 0.0); (394391.6,
3816907.9, 1015.5, 1188.9, 0.0);
(394370.5, 3816899.0, 1021.1, 1188.9, 0.0); (394349.4,
3816890.1, 1027.4, 1188.9, 0.0);
(394328.3, 3816881.2, 1029.5, 1188.9, 0.0); (394307.1,
3816872.4, 1025.4, 1188.9, 0.0);
(394286.0, 3816863.5, 1016.2, 1188.9, 0.0); (394264.9,
3816854.6, 1005.6, 1188.9, 0.0);
(394234.8, 3816824.6, 983.7, 1440.1, 0.0); (394225.8,
3816803.6, 973.5, 1440.1, 0.0);
(394216.8, 3816782.5, 966.5, 1440.1, 0.0); (394207.8,
3816761.4, 960.8, 1440.1, 0.0);

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     ( 394198.7, 3816740.4,     956.1,    1440.1,       0.0);         ( 394189.7,
3816719.3,     950.5,    1440.1,       0.0);
     ( 394180.7, 3816698.2,     946.2,    1440.1,       0.0);         ( 394171.7,
3816677.2,     942.2,    1440.1,       0.0);
     ( 394162.7, 3816656.1,     938.8,    1440.1,       0.0);         ( 394153.7,
3816635.0,     934.8,    1440.1,       0.0);
     ( 394144.7, 3816613.9,     931.2,    1440.1,       0.0);         ( 394135.7,
3816592.9,     928.3,    1440.1,       0.0);
     ( 394126.7, 3816571.8,     925.6,    1440.1,       0.0);         ( 394117.7,
3816550.7,     922.8,    1440.1,       0.0);
     ( 394108.7, 3816529.7,     918.5,    1440.1,       0.0);         ( 394099.6,
3816508.6,     915.4,    1440.1,       0.0);
     ( 394090.6, 3816487.5,     913.0,    1440.1,       0.0);         ( 394624.0,
3817005.6,    1001.5,    1440.1,       0.0);
     ( 394647.9, 3817005.9,     994.7,    1440.1,       0.0);         ( 394671.9,
3817006.3,     988.2,    1440.1,       0.0);
     ( 394695.8, 3817006.6,     982.7,    1440.1,       0.0);         ( 394719.7,
3817006.9,     978.1,    1440.1,       0.0);
     ( 394743.6, 3817007.2,     976.2,    1440.1,       0.0);         ( 394767.6,
3817007.6,     975.0,    1440.1,       0.0);
     ( 394791.5, 3817007.9,     973.6,    1440.1,       0.0);         ( 394815.5,
3817008.2,     973.0,    1440.1,       0.0);
     ( 394839.4, 3817008.6,     972.0,    1440.1,       0.0);         ( 394863.3,
3817008.9,     970.1,    1440.1,       0.0);
     ( 394887.2, 3817009.2,     968.7,    1440.1,       0.0);         ( 394911.2,
3817009.5,     967.5,    1440.1,       0.0);
     ( 394935.1, 3817009.9,     966.0,    1440.1,       0.0);         ( 394959.0,
3817010.2,     965.4,    1440.1,       0.0);
     ( 394983.0, 3817010.5,     965.6,    1440.1,       0.0);         ( 395006.9,
3817010.8,     966.0,    1440.1,       0.0);
     ( 395030.8, 3817011.2,     966.1,    1440.1,       0.0);         ( 395054.8,
3817011.5,     966.6,    1440.1,       0.0);
     ( 394601.2, 3817096.6,    1004.4,    1440.1,       0.0);         ( 394579.8,
3817087.6,    1007.6,    1440.1,       0.0);
     ( 394558.4, 3817078.6,    1012.4,    1440.1,       0.0);         ( 394537.0,
3817069.6,    1020.3,    1188.9,       0.0);
     ( 394515.6, 3817060.6,    1030.6,    1188.9,       0.0);         ( 394494.2,
3817051.6,    1039.3,    1188.9,       0.0);
     ( 394472.8, 3817042.6,    1048.3,    1188.9,       0.0);         ( 394451.5,
3817033.6,    1054.2,    1188.9,       0.0);
     ( 394430.0, 3817024.6,    1057.8,    1188.9,       0.0);         ( 394408.6,
3817015.6,    1058.8,    1188.9,       0.0);
     ( 394387.2, 3817006.6,    1056.1,    1188.9,       0.0);         ( 394365.9,
3816997.6,    1052.1,    1188.9,       0.0);
     ( 394344.5, 3816988.6,    1053.9,    1188.9,       0.0);         ( 394323.1,
3816979.6,    1051.3,    1188.9,       0.0);
     ( 394301.7, 3816970.6,    1042.2,    1188.9,       0.0);         ( 394280.3,
3816961.6,    1033.1,    1188.9,       0.0);
     ( 394258.9, 3816952.6,    1024.2,    1188.9,       0.0);         ( 394237.5,
3816943.6,    1014.5,    1188.9,       0.0);
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     ( 394216.1, 3816934.6,    1004.0,    1440.1,       0.0);         ( 394194.7,
3816925.6,     993.5,    1440.1,       0.0);
     ( 394164.1, 3816895.3,     977.9,    1440.1,       0.0);         ( 394155.0,
3816874.0,     972.1,    1440.1,       0.0);
     ( 394145.9, 3816852.6,     966.6,    1440.1,       0.0);         ( 394136.8,
3816831.3,     961.3,    1440.1,       0.0);
     ( 394127.6, 3816809.9,     956.6,    1440.1,       0.0);         ( 394118.5,
3816788.6,     952.3,    1440.1,       0.0);
     ( 394109.4, 3816767.2,     948.4,    1440.1,       0.0);         ( 394100.3,
3816745.9,     947.2,    1440.1,       0.0);
     ( 394091.1, 3816724.5,     943.6,    1440.1,       0.0);         ( 394082.0,
3816703.2,     938.1,    1440.1,       0.0);
     ( 394072.9, 3816681.9,     935.6,    1440.1,       0.0);         ( 394063.8,
3816660.5,     932.7,    1440.1,       0.0);
     ( 394054.6, 3816639.2,     930.7,    1440.1,       0.0);         ( 394045.5,
3816617.8,     930.4,    1440.1,       0.0);
     ( 394036.4, 3816596.5,     927.1,    1440.1,       0.0);         ( 394027.3,
3816575.1,     924.0,    1440.1,       0.0);
     ( 394018.2, 3816553.8,     922.9,    1440.1,       0.0);         ( 394009.0,
3816532.5,     918.7,    1440.1,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                              ***       09:14:47

                                    PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

     ( 393999.9, 3816511.1,     915.7,    1440.1,       0.0);         ( 393990.8,
3816489.8,     913.7,    1440.1,       0.0);
     ( 394622.6, 3817105.6,    1000.6,    1440.1,       0.0);         ( 394646.6,
3817105.9,     995.8,    1440.1,       0.0);
     ( 394670.5, 3817106.2,     992.2,    1440.1,       0.0);         ( 394694.4,
3817106.6,     989.1,    1440.1,       0.0);
     ( 394718.3, 3817106.9,     986.0,    1440.1,       0.0);         ( 394742.3,
3817107.2,     984.2,    1440.1,       0.0);
     ( 394766.2, 3817107.6,     982.9,    1440.1,       0.0);         ( 394790.1,
3817107.9,     981.1,    1440.1,       0.0);
     ( 394814.1, 3817108.2,     979.8,    1440.1,       0.0);         ( 394838.0,
3817108.5,     978.4,    1440.1,       0.0);
     ( 394861.9, 3817108.9,     976.2,    1440.1,       0.0);         ( 394885.9,
3817109.2,     975.0,    1440.1,       0.0);
     ( 394909.8, 3817109.5,     973.6,    1440.1,       0.0);         ( 394933.7,
3817109.9,     973.4,    1440.1,       0.0);
     ( 394957.7, 3817110.2,     974.1,    1440.1,       0.0);         ( 394981.6,
3817110.5,     974.5,    1440.1,       0.0);
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     ( 395005.5, 3817110.8,     974.8,    1440.1,       0.0);         ( 395029.5,
3817111.2,     975.0,    1440.1,       0.0);
     ( 395053.4, 3817111.5,     975.1,    1440.1,       0.0);         ( 394599.7,
3817196.5,    1005.8,    1440.1,       0.0);
     ( 394578.0, 3817187.4,    1009.4,    1440.1,       0.0);         ( 394556.5,
3817178.3,    1014.2,    1440.1,       0.0);
     ( 394534.8, 3817169.2,    1020.5,    1440.1,       0.0);         ( 394513.2,
3817160.2,    1028.3,    1188.9,       0.0);
     ( 394491.6, 3817151.1,    1037.6,    1188.9,       0.0);         ( 394470.0,
3817142.0,    1046.5,    1188.9,       0.0);
     ( 394448.4, 3817132.9,    1051.6,    1188.9,       0.0);         ( 394426.8,
3817123.8,    1048.9,    1188.9,       0.0);
     ( 394405.2, 3817114.8,    1043.0,    1188.9,       0.0);         ( 394383.6,
3817105.7,    1035.8,    1188.9,       0.0);
     ( 394362.0, 3817096.6,    1030.9,    1188.9,       0.0);         ( 394340.4,
3817087.5,    1029.2,    1188.9,       0.0);
     ( 394318.8, 3817078.4,    1027.3,    1188.9,       0.0);         ( 394297.2,
3817069.3,    1024.2,    1430.2,       0.0);
     ( 394275.6, 3817060.2,    1018.9,    1440.1,       0.0);         ( 394254.0,
3817051.1,    1012.2,    1440.1,       0.0);
     ( 394232.4, 3817042.1,    1004.9,    1440.1,       0.0);         ( 394210.8,
3817033.0,     997.9,    1440.1,       0.0);
     ( 394189.2, 3817023.9,     991.0,    1440.1,       0.0);         ( 394167.6,
3817014.8,     984.4,    1440.1,       0.0);
     ( 394146.0, 3817005.7,     978.6,    1440.1,       0.0);         ( 394124.4,
3816996.6,     973.6,    1440.1,       0.0);
     ( 394093.6, 3816966.0,     967.7,    1440.1,       0.0);         ( 394084.3,
3816944.5,     965.6,    1440.1,       0.0);
     ( 394075.1, 3816922.9,     963.5,    1440.1,       0.0);         ( 394065.9,
3816901.4,     960.8,    1440.1,       0.0);
     ( 394056.7, 3816879.8,     957.9,    1440.1,       0.0);         ( 394047.5,
3816858.3,     954.9,    1440.1,       0.0);
     ( 394038.3, 3816836.7,     951.8,    1440.1,       0.0);         ( 394029.1,
3816815.2,     948.9,    1440.1,       0.0);
     ( 394019.9, 3816793.6,     946.1,    1440.1,       0.0);         ( 394010.6,
3816772.1,     943.4,    1440.1,       0.0);
     ( 394001.4, 3816750.5,     940.7,    1440.1,       0.0);         ( 393992.2,
3816729.0,     938.2,    1440.1,       0.0);
     ( 393983.0, 3816707.4,     935.7,    1440.1,       0.0);         ( 393973.8,
3816685.9,     932.7,    1440.1,       0.0);
     ( 393964.6, 3816664.3,     930.5,    1440.1,       0.0);         ( 393955.4,
3816642.8,     929.0,    1440.1,       0.0);
     ( 393946.2, 3816621.2,     929.0,    1440.1,       0.0);         ( 393937.0,
3816599.7,     924.7,    1440.1,       0.0);
     ( 393927.7, 3816578.1,     920.8,    1440.1,       0.0);         ( 393918.5,
3816556.6,     919.4,    1440.1,       0.0);
     ( 393909.3, 3816535.0,     915.4,    1440.1,       0.0);         ( 393900.1,
3816513.5,     912.5,    1440.1,       0.0);
     ( 393890.9, 3816491.9,     910.2,    1440.1,       0.0);         ( 394621.3,
3817205.6,    1002.5,    1440.1,       0.0);
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(394645.2, 3817205.9, 999.5, 1440.1, 0.0); (394669.1, 3817206.2, 996.5, 1440.1, 0.0);
(394693.0, 3817206.6, 994.3, 1440.1, 0.0); (394717.0, 3817206.9, 992.5, 1440.1, 0.0);
(394740.9, 3817207.2, 990.9, 1440.1, 0.0); (394764.8, 3817207.6, 989.7, 1440.1, 0.0);
(394788.8, 3817207.9, 987.7, 1440.1, 0.0); (394812.7, 3817208.2, 986.3, 1440.1, 0.0);
(394836.6, 3817208.5, 985.2, 1440.1, 0.0); (394860.6, 3817208.9, 984.0, 1440.1, 0.0);
(394884.5, 3817209.2, 982.9, 1440.1, 0.0); (394908.4, 3817209.5, 982.3, 1440.1, 0.0);
(394932.4, 3817209.8, 982.0, 1440.1, 0.0); (394956.3, 3817210.2, 982.3, 1440.1, 0.0);
(394980.2, 3817210.5, 983.1, 1440.1, 0.0); (395004.2, 3817210.8, 983.7, 1440.1, 0.0);
(395028.1, 3817211.2, 984.0, 1440.1, 0.0); (395052.0, 3817211.5, 984.1, 1440.1, 0.0);
(394598.1, 3817296.4, 1006.7, 1440.1, 0.0); (394576.4, 3817287.3, 1008.6, 1440.1, 0.0);
(394554.6, 3817278.1, 1011.3, 1440.1, 0.0); (394532.8, 3817269.0, 1014.3, 1440.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394511.1, 3817259.8, 1018.1, 1440.1, 0.0); (394489.3, 3817250.7, 1022.7, 1440.1, 0.0);
(394467.5, 3817241.5, 1027.4, 1440.1, 0.0); (394445.8, 3817232.4, 1032.4, 1440.1, 0.0);
(394424.0, 3817223.2, 1038.7, 1188.9, 0.0); (394402.3, 3817214.1, 1044.4, 1188.9, 0.0);
(394380.5, 3817204.9, 1044.7, 1188.9, 0.0); (394358.7, 3817195.8, 1039.7, 1188.9, 0.0);
(394337.0, 3817186.6, 1031.0, 1440.1, 0.0); (394315.2, 3817177.5, 1023.0, 1440.1, 0.0);
(394293.4, 3817168.3, 1015.7, 1440.1, 0.0); (394271.7, 3817159.1, 1007.6, 1440.1, 0.0);
(394249.9, 3817150.0, 1001.8, 1440.1, 0.0); (394228.1, 3817140.8, 997.4, 1440.1, 0.0);
(394206.4, 3817131.7, 995.1, 1440.1, 0.0); (394184.6, 3817122.5, 992.6, 1440.1, 0.0);

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     ( 394162.9, 3817113.4,     991.1,    1440.1,       0.0);         ( 394141.1,
3817104.2,     991.9,    1440.1,       0.0);
     ( 394119.3, 3817095.1,     986.2,    1440.1,       0.0);         ( 394097.6,
3817085.9,     983.6,    1440.1,       0.0);
     ( 394075.8, 3817076.8,     979.1,    1440.1,       0.0);         ( 394054.0,
3817067.6,     975.8,    1440.1,       0.0);
     ( 394023.0, 3817036.8,     967.6,    1440.1,       0.0);         ( 394013.7,
3817015.1,     965.8,    1440.1,       0.0);
     ( 394004.4, 3816993.4,     963.8,    1440.1,       0.0);         ( 393995.1,
3816971.6,     962.3,    1440.1,       0.0);
     ( 393985.9, 3816949.9,     961.0,    1440.1,       0.0);         ( 393976.6,
3816928.2,     959.7,    1440.1,       0.0);
     ( 393967.3, 3816906.5,     954.4,    1440.1,       0.0);         ( 393958.0,
3816884.8,     949.8,    1440.1,       0.0);
     ( 393948.8, 3816863.1,     946.7,    1440.1,       0.0);         ( 393939.5,
3816841.4,     944.1,    1440.1,       0.0);
     ( 393930.2, 3816819.7,     942.4,    1440.1,       0.0);         ( 393920.9,
3816798.0,     940.2,    1440.1,       0.0);
     ( 393911.6, 3816776.3,     937.9,    1440.1,       0.0);         ( 393902.3,
3816754.6,     936.0,    1440.1,       0.0);
     ( 393893.1, 3816732.9,     933.8,    1440.1,       0.0);         ( 393883.8,
3816711.1,     931.4,    1440.1,       0.0);
     ( 393874.5, 3816689.4,     928.7,    1440.1,       0.0);         ( 393865.2,
3816667.7,     926.6,    1440.1,       0.0);
     ( 393855.9, 3816646.0,     925.5,    1440.1,       0.0);         ( 393846.7,
3816624.3,     921.9,    1440.1,       0.0);
     ( 393837.4, 3816602.6,     920.3,    1440.1,       0.0);         ( 393828.1,
3816580.9,     918.9,    1440.1,       0.0);
     ( 393818.8, 3816559.2,     914.3,    1440.1,       0.0);         ( 393809.5,
3816537.5,     911.6,    1440.1,       0.0);
     ( 393800.3, 3816515.8,     909.3,    1440.1,       0.0);         ( 393791.0,
3816494.1,     907.2,    1440.1,       0.0);
     ( 394619.9, 3817305.6,    1006.0,    1440.1,       0.0);         ( 394643.8,
3817305.9,    1004.7,    1440.1,       0.0);
     ( 394667.8, 3817306.2,    1003.1,    1440.1,       0.0);         ( 394691.7,
3817306.6,    1001.6,    1440.1,       0.0);
     ( 394715.6, 3817306.9,    1000.3,    1440.1,       0.0);         ( 394739.5,
3817307.2,     998.9,    1440.1,       0.0);
     ( 394763.5, 3817307.5,     997.8,    1440.1,       0.0);         ( 394787.4,
3817307.9,     997.1,    1440.1,       0.0);
     ( 394811.3, 3817308.2,     997.0,    1440.1,       0.0);         ( 394835.3,
3817308.5,     996.3,    1440.1,       0.0);
     ( 394859.2, 3817308.9,     995.6,    1440.1,       0.0);         ( 394883.1,
3817309.2,     994.4,    1440.1,       0.0);
     ( 394907.1, 3817309.5,     993.4,    1440.1,       0.0);         ( 394931.0,
3817309.8,     992.5,    1440.1,       0.0);
     ( 394954.9, 3817310.2,     991.4,    1440.1,       0.0);         ( 394978.9,
3817310.5,     991.3,    1440.1,       0.0);
     ( 395002.8, 3817310.8,     992.0,    1440.1,       0.0);         ( 395026.7,
3817311.1,     992.7,    1440.1,       0.0);
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(395050.6, 3817311.5, 993.2, 1440.1, 0.0); (394594.7,
3817546.4, 1035.4, 1440.1, 0.0);
(394573.0, 3817537.3, 1034.7, 1440.1, 0.0); (394551.3,
3817528.1, 1034.2, 1440.1, 0.0);
(394529.6, 3817519.0, 1033.6, 1440.1, 0.0); (394507.8,
3817509.9, 1032.8, 1440.1, 0.0);
(394486.1, 3817500.7, 1030.6, 1440.1, 0.0); (394464.4,
3817491.6, 1031.8, 1440.1, 0.0);
(394442.6, 3817482.5, 1034.6, 1440.1, 0.0); (394420.9,
3817473.3, 1037.6, 1440.1, 0.0);
(394399.2, 3817464.2, 1041.8, 1440.1, 0.0); (394377.5,
3817455.1, 1045.9, 1440.1, 0.0);
(394355.7, 3817445.9, 1050.6, 1440.1, 0.0); (394334.0,
3817436.8, 1056.3, 1439.0, 0.0);
(394312.3, 3817427.6, 1064.0, 1188.9, 0.0); (394290.6,
3817418.5, 1071.5, 1188.9, 0.0);
(394268.8, 3817409.4, 1075.0, 1188.9, 0.0); (394247.1,
3817400.2, 1074.4, 1188.9, 0.0);
(394225.4, 3817391.1, 1071.0, 1188.9, 0.0); (394203.7,
3817382.0, 1064.3, 1188.9, 0.0);
(394181.9, 3817372.8, 1063.6, 1188.9, 0.0); (394160.2,
3817363.7, 1066.6, 1188.9, 0.0);
(394138.5, 3817354.6, 1069.3, 1188.9, 0.0); (394116.8,
3817345.4, 1070.2, 1188.9, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394095.0, 3817336.3, 1072.5, 1188.9, 0.0); (394073.3,
3817327.1, 1072.4, 1188.9, 0.0);
(394051.6, 3817318.0, 1064.0, 1188.9, 0.0); (394029.8,
3817308.9, 1052.0, 1439.0, 0.0);
(394008.1, 3817299.7, 1038.1, 1440.1, 0.0); (393986.4,
3817290.6, 1024.3, 1440.1, 0.0);
(393964.7, 3817281.5, 1011.6, 1440.1, 0.0); (393942.9,
3817272.3, 1001.1, 1440.1, 0.0);
(393921.2, 3817263.2, 992.6, 1440.1, 0.0); (393899.5,
3817254.1, 984.8, 1440.1, 0.0);
(393877.8, 3817244.9, 977.5, 1440.1, 0.0); (393846.8,
3817214.1, 970.2, 1440.1, 0.0);
(393837.5, 3817192.4, 966.7, 1440.1, 0.0); (393828.2,
3817170.8, 963.8, 1440.1, 0.0);

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     ( 393819.0, 3817149.1,     960.6,    1440.1,       0.0);         ( 393809.7,
3817127.4,     956.5,    1440.1,       0.0);
     ( 393800.4, 3817105.8,     954.1,    1440.1,       0.0);         ( 393791.2,
3817084.1,     952.7,    1440.1,       0.0);
     ( 393781.9, 3817062.4,     948.2,    1440.1,       0.0);         ( 393772.6,
3817040.7,     944.6,    1440.1,       0.0);
     ( 393763.4, 3817019.1,     941.3,    1440.1,       0.0);         ( 393754.1,
3816997.4,     938.5,    1440.1,       0.0);
     ( 393744.8, 3816975.7,     936.2,    1440.1,       0.0);         ( 393735.6,
3816954.0,     934.1,    1440.1,       0.0);
     ( 393726.3, 3816932.4,     931.0,    1440.1,       0.0);         ( 393717.0,
3816910.7,     929.1,    1440.1,       0.0);
     ( 393707.8, 3816889.0,     926.7,    1440.1,       0.0);         ( 393698.5,
3816867.4,     924.8,    1440.1,       0.0);
     ( 393689.2, 3816845.7,     922.1,    1440.1,       0.0);         ( 393680.0,
3816824.0,     919.9,    1440.1,       0.0);
     ( 393670.7, 3816802.3,     918.1,    1440.1,       0.0);         ( 393661.5,
3816780.7,     916.2,    1440.1,       0.0);
     ( 393652.2, 3816759.0,     915.8,    1440.1,       0.0);         ( 393642.9,
3816737.3,     915.6,    1440.1,       0.0);
     ( 393633.7, 3816715.7,     912.3,    1440.1,       0.0);         ( 393624.4,
3816694.0,     912.6,    1440.1,       0.0);
     ( 393615.1, 3816672.3,     910.8,    1440.1,       0.0);         ( 393605.9,
3816650.6,     907.5,    1440.1,       0.0);
     ( 393596.6, 3816629.0,     906.5,    1440.1,       0.0);         ( 393587.3,
3816607.3,     905.0,    1440.1,       0.0);
     ( 393578.1, 3816585.6,     903.3,    1440.1,       0.0);         ( 393568.8,
3816563.9,     901.7,    1440.1,       0.0);
     ( 393559.5, 3816542.3,     900.3,    1440.1,       0.0);         ( 393550.3,
3816520.6,     898.8,    1440.1,       0.0);
     ( 393541.0, 3816498.9,     897.4,    1440.1,       0.0);         ( 394616.5,
3817555.6,    1036.8,    1440.1,       0.0);
     ( 394640.4, 3817555.9,    1037.1,    1440.1,       0.0);         ( 394664.3,
3817556.2,    1036.4,    1440.1,       0.0);
     ( 394688.3, 3817556.5,    1035.3,    1440.1,       0.0);         ( 394712.2,
3817556.9,    1033.8,    1440.1,       0.0);
     ( 394736.1, 3817557.2,    1033.6,    1440.1,       0.0);         ( 394760.0,
3817557.5,    1035.1,    1440.1,       0.0);
     ( 394784.0, 3817557.8,    1035.6,    1440.1,       0.0);         ( 394807.9,
3817558.2,    1033.0,    1440.1,       0.0);
     ( 394831.8, 3817558.5,    1032.6,    1440.1,       0.0);         ( 394855.8,
3817558.8,    1032.0,    1440.1,       0.0);
     ( 394879.7, 3817559.2,    1031.9,    1440.1,       0.0);         ( 394903.6,
3817559.5,    1032.5,    1440.1,       0.0);
     ( 394927.6, 3817559.8,    1033.8,    1440.1,       0.0);         ( 394951.5,
3817560.1,    1032.4,    1440.1,       0.0);
     ( 394975.4, 3817560.5,    1027.0,    1440.1,       0.0);         ( 394999.4,
3817560.8,    1021.8,    1440.1,       0.0);
     ( 395023.3, 3817561.1,    1018.8,    1440.1,       0.0);         ( 395047.2,
3817561.5,    1016.6,    1440.1,       0.0);
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     ( 394591.3, 3817796.4,    1085.8,    1188.9,       0.0);         ( 394569.6,
3817787.3,    1078.8,    1440.1,       0.0);
     ( 394547.9, 3817778.1,    1072.4,    1440.1,       0.0);         ( 394526.2,
3817769.0,    1068.4,    1440.1,       0.0);
     ( 394504.5, 3817759.9,    1066.5,    1440.1,       0.0);         ( 394482.8,
3817750.8,    1066.8,    1440.1,       0.0);
     ( 394461.1, 3817741.6,    1065.0,    1440.1,       0.0);         ( 394439.4,
3817732.5,    1063.0,    1440.1,       0.0);
     ( 394417.7, 3817723.4,    1060.8,    1440.1,       0.0);         ( 394396.0,
3817714.3,    1059.2,    1440.1,       0.0);
     ( 394374.3, 3817705.1,    1057.8,    1440.1,       0.0);         ( 394352.6,
3817696.0,    1054.1,    1440.1,       0.0);
     ( 394330.9, 3817686.9,    1051.5,    1440.1,       0.0);         ( 394309.2,
3817677.8,    1045.9,    1440.1,       0.0);
     ( 394287.5, 3817668.6,    1038.6,    1440.1,       0.0);         ( 394265.8,
3817659.5,    1032.5,    1440.1,       0.0);
     ( 394244.1, 3817650.4,    1029.9,    1440.1,       0.0);         ( 394222.4,
3817641.2,    1027.8,    1440.1,       0.0);
     ( 394200.7, 3817632.1,    1024.6,    1440.1,       0.0);         ( 394179.0,
3817623.0,    1024.4,    1440.1,       0.0);
     ( 394157.3, 3817613.9,    1022.7,    1440.1,       0.0);         ( 394135.6,
3817604.8,    1019.5,    1440.1,       0.0);
     ( 394113.8, 3817595.6,    1016.4,    1440.1,       0.0);         ( 394092.1,
3817586.5,    1012.7,    1440.1,       0.0);
     ( 394070.5, 3817577.4,    1008.8,    1440.1,       0.0);         ( 394048.7,
3817568.2,    1003.0,    1440.1,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                        ***        09:14:47

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

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

     ( 394027.0, 3817559.1,    1000.8,    1440.1,       0.0);         ( 394005.3,
3817550.0,     998.6,    1440.1,       0.0);
     ( 393983.6, 3817540.9,     996.0,    1440.1,       0.0);         ( 393961.9,
3817531.7,     993.1,    1440.1,       0.0);
     ( 393940.2, 3817522.6,     990.1,    1440.1,       0.0);         ( 393918.5,
3817513.5,     986.1,    1440.1,       0.0);
     ( 393896.8, 3817504.3,     982.0,    1440.1,       0.0);         ( 393875.1,
3817495.2,     979.3,    1440.1,       0.0);
     ( 393853.4, 3817486.1,     975.7,    1440.1,       0.0);         ( 393831.7,
3817477.0,     972.1,    1440.1,       0.0);
     ( 393810.0, 3817467.8,     969.3,    1440.1,       0.0);         ( 393788.3,
3817458.7,     966.8,    1440.1,       0.0);
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     ( 393766.6, 3817449.6,     962.5,    1440.1,       0.0);         ( 393744.9,
3817440.5,     960.4,    1440.1,       0.0);
     ( 393723.2, 3817431.3,     958.1,    1440.1,       0.0);         ( 393701.5,
3817422.2,     955.1,    1440.1,       0.0);
     ( 393670.5, 3817391.4,     949.8,    1440.1,       0.0);         ( 393661.3,
3817369.8,     947.4,    1440.1,       0.0);
     ( 393652.0, 3817348.1,     945.6,    1440.1,       0.0);         ( 393642.8,
3817326.5,     944.2,    1440.1,       0.0);
     ( 393633.5, 3817304.8,     942.4,    1440.1,       0.0);         ( 393624.2,
3817283.2,     940.4,    1440.1,       0.0);
     ( 393615.0, 3817261.5,     937.7,    1440.1,       0.0);         ( 393605.7,
3817239.9,     935.2,    1440.1,       0.0);
     ( 393596.5, 3817218.2,     933.7,    1440.1,       0.0);         ( 393587.2,
3817196.6,     932.1,    1440.1,       0.0);
     ( 393578.0, 3817174.9,     931.0,    1440.1,       0.0);         ( 393568.7,
3817153.3,     930.1,    1440.1,       0.0);
     ( 393559.5, 3817131.6,     928.6,    1440.1,       0.0);         ( 393550.2,
3817110.0,     927.4,    1440.1,       0.0);
     ( 393540.9, 3817088.3,     926.4,    1440.1,       0.0);         ( 393531.7,
3817066.7,     924.9,    1440.1,       0.0);
     ( 393522.4, 3817045.0,     923.4,    1440.1,       0.0);         ( 393513.2,
3817023.4,     921.8,    1440.1,       0.0);
     ( 393503.9, 3817001.8,     920.2,    1440.1,       0.0);         ( 393494.7,
3816980.1,     918.9,    1440.1,       0.0);
     ( 393485.4, 3816958.4,     917.8,    1440.1,       0.0);         ( 393476.2,
3816936.8,     916.6,    1440.1,       0.0);
     ( 393466.9, 3816915.2,     915.2,    1440.1,       0.0);         ( 393457.6,
3816893.5,     914.0,    1440.1,       0.0);
     ( 393448.4, 3816871.9,     913.5,    1440.1,       0.0);         ( 393439.1,
3816850.2,     912.0,    1440.1,       0.0);
     ( 393429.9, 3816828.6,     911.0,    1440.1,       0.0);         ( 393420.6,
3816806.9,     910.9,    1440.1,       0.0);
     ( 393411.4, 3816785.3,     908.5,    1440.1,       0.0);         ( 393402.1,
3816763.6,     906.9,    1440.1,       0.0);
     ( 393392.9, 3816742.0,     905.8,    1440.1,       0.0);         ( 393383.6,
3816720.3,     904.7,    1440.1,       0.0);
     ( 393374.3, 3816698.7,     903.6,    1440.1,       0.0);         ( 393365.1,
3816677.0,     902.5,    1440.1,       0.0);
     ( 393355.8, 3816655.4,     901.5,    1440.1,       0.0);         ( 393346.6,
3816633.7,     900.6,    1440.1,       0.0);
     ( 393337.3, 3816612.1,     899.7,    1440.1,       0.0);         ( 393328.1,
3816590.4,     898.8,    1440.1,       0.0);
     ( 393318.8, 3816568.8,     898.3,    1440.1,       0.0);         ( 393309.6,
3816547.1,     897.8,    1440.1,       0.0);
     ( 393300.3, 3816525.5,     897.2,    1440.1,       0.0);         ( 393291.0,
3816503.8,     896.0,    1440.1,       0.0);
     ( 394613.0, 3817805.5,    1092.3,    1188.9,       0.0);         ( 394637.0,
3817805.9,    1099.8,    1188.9,       0.0);
     ( 394660.9, 3817806.2,    1106.1,    1188.9,       0.0);         ( 394684.8,
3817806.5,    1111.4,    1188.9,       0.0);
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(394708.8, 3817806.8, 1109.3, 1188.9, 0.0); (394732.7, 3817807.2, 1101.5, 1188.9, 0.0);
(394756.6, 3817807.5, 1092.1, 1188.9, 0.0); (394780.6, 3817807.8, 1082.8, 1188.9, 0.0);
(394804.5, 3817808.2, 1075.0, 1430.2, 0.0); (394828.4, 3817808.5, 1069.5, 1440.1, 0.0);
(394852.3, 3817808.8, 1064.7, 1440.1, 0.0); (394876.3, 3817809.1, 1060.7, 1440.1, 0.0);
(394900.2, 3817809.5, 1058.1, 1440.1, 0.0); (394924.1, 3817809.8, 1055.0, 1440.1, 0.0);
(394948.1, 3817810.1, 1051.1, 1440.1, 0.0); (394972.0, 3817810.4, 1046.6, 1440.1, 0.0);
(394995.9, 3817810.8, 1044.2, 1440.1, 0.0); (395019.9, 3817811.1, 1044.5, 1440.1, 0.0);
(395043.8, 3817811.4, 1042.8, 1440.1, 0.0); (394587.9, 3818046.4, 1129.0, 1188.9, 0.0);
(394566.2, 3818037.3, 1130.3, 1188.9, 0.0); (394544.5, 3818028.1, 1133.0, 1188.9, 0.0);
(394522.9, 3818019.0, 1135.5, 1188.9, 0.0); (394501.2, 3818009.9, 1135.7, 1188.9, 0.0);
(394479.5, 3818000.8, 1132.7, 1188.9, 0.0); (394457.8, 3817991.7, 1128.1, 1188.9, 0.0);
(394436.1, 3817982.5, 1123.4, 1188.9, 0.0); (394414.4, 3817973.4, 1120.4, 1188.9, 0.0);
(394392.7, 3817964.3, 1118.1, 1188.9, 0.0); (394371.0, 3817955.2, 1113.4, 1188.9, 0.0);
(394349.4, 3817946.1, 1107.9, 1188.9, 0.0); (394327.7, 3817936.9, 1098.4, 1440.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394306.0, 3817927.8, 1086.2, 1440.1, 0.0); (394284.3, 3817918.7, 1073.4, 1440.1, 0.0);
(394262.6, 3817909.6, 1061.4, 1440.1, 0.0); (394240.9, 3817900.5, 1049.9, 1440.1, 0.0);
(394219.2, 3817891.3, 1039.5, 1440.1, 0.0); (394197.5, 3817882.2, 1030.5, 1440.1, 0.0);
(394175.9, 3817873.1, 1021.9, 1440.1, 0.0); (394154.2, 3817864.0, 1016.5, 1440.1, 0.0);
(394132.5, 3817854.9, 1012.2, 1440.1, 0.0); (394110.8, 3817845.8, 1007.7, 1440.1, 0.0);

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     ( 394089.1, 3817836.6,    1003.4,    1440.1,       0.0);         ( 394067.4,
3817827.5,     999.8,    1440.1,       0.0);
     ( 394045.7, 3817818.4,     996.5,    1440.1,       0.0);         ( 394024.0,
3817809.3,     993.9,    1440.1,       0.0);
     ( 394002.3, 3817800.1,     990.4,    1440.1,       0.0);         ( 393980.7,
3817791.0,     988.4,    1440.1,       0.0);
     ( 393959.0, 3817781.9,     985.4,    1440.1,       0.0);         ( 393937.3,
3817772.8,     982.2,    1440.1,       0.0);
     ( 393915.6, 3817763.7,     980.6,    1440.1,       0.0);         ( 393893.9,
3817754.5,     977.5,    1440.1,       0.0);
     ( 393872.2, 3817745.4,     974.9,    1440.1,       0.0);         ( 393850.5,
3817736.3,     972.4,    1440.1,       0.0);
     ( 393828.8, 3817727.2,     969.9,    1440.1,       0.0);         ( 393807.2,
3817718.1,     967.4,    1440.1,       0.0);
     ( 393785.5, 3817708.9,     964.7,    1440.1,       0.0);         ( 393763.8,
3817699.8,     962.1,    1440.1,       0.0);
     ( 393742.1, 3817690.7,     960.2,    1440.1,       0.0);         ( 393720.4,
3817681.6,     957.6,    1440.1,       0.0);
     ( 393698.7, 3817672.5,     954.6,    1440.1,       0.0);         ( 393677.0,
3817663.3,     951.9,    1440.1,       0.0);
     ( 393655.3, 3817654.2,     949.8,    1440.1,       0.0);         ( 393633.6,
3817645.1,     947.9,    1440.1,       0.0);
     ( 393612.0, 3817636.0,     946.9,    1440.1,       0.0);         ( 393590.3,
3817626.9,     946.4,    1440.1,       0.0);
     ( 393568.6, 3817617.8,     946.4,    1440.1,       0.0);         ( 393546.9,
3817608.6,     947.6,    1440.1,       0.0);
     ( 393525.2, 3817599.5,     948.1,    1440.1,       0.0);         ( 393494.3,
3817568.8,     945.9,    1440.1,       0.0);
     ( 393485.0, 3817547.1,     945.3,    1440.1,       0.0);         ( 393475.8,
3817525.5,     944.4,    1440.1,       0.0);
     ( 393466.5, 3817503.8,     943.4,    1440.1,       0.0);         ( 393457.3,
3817482.2,     942.3,    1440.1,       0.0);
     ( 393448.0, 3817460.6,     940.8,    1440.1,       0.0);         ( 393438.8,
3817438.9,     938.8,    1440.1,       0.0);
     ( 393429.5, 3817417.3,     936.9,    1440.1,       0.0);         ( 393420.3,
3817395.7,     935.9,    1440.1,       0.0);
     ( 393411.0, 3817374.0,     935.4,    1440.1,       0.0);         ( 393401.8,
3817352.4,     933.9,    1440.1,       0.0);
     ( 393392.5, 3817330.8,     932.3,    1440.1,       0.0);         ( 393383.3,
3817309.1,     929.7,    1440.1,       0.0);
     ( 393374.0, 3817287.5,     928.1,    1440.1,       0.0);         ( 393364.8,
3817265.9,     927.4,    1440.1,       0.0);
     ( 393355.5, 3817244.2,     925.7,    1440.1,       0.0);         ( 393346.3,
3817222.6,     924.6,    1440.1,       0.0);
     ( 393337.0, 3817201.0,     923.7,    1440.1,       0.0);         ( 393327.8,
3817179.3,     921.4,    1440.1,       0.0);
     ( 393318.5, 3817157.7,     920.3,    1440.1,       0.0);         ( 393309.3,
3817136.1,     919.6,    1440.1,       0.0);
     ( 393300.0, 3817114.4,     919.0,    1440.1,       0.0);         ( 393290.8,
3817092.8,     917.0,    1440.1,       0.0);
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(393281.6, 3817071.2, 914.6, 1440.1, 0.0); (393272.3,
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(393263.1, 3817027.9, 912.4, 1440.1, 0.0); (393253.8,
3817006.3, 910.9, 1440.1, 0.0);
(393244.6, 3816984.6, 910.3, 1440.1, 0.0); (393235.3,
3816963.0, 908.4, 1440.1, 0.0);
(393226.1, 3816941.4, 907.9, 1440.1, 0.0); (393216.8,
3816919.8, 906.4, 1440.1, 0.0);
(393207.6, 3816898.1, 905.3, 1440.1, 0.0); (393198.3,
3816876.5, 904.1, 1440.1, 0.0);
(393189.1, 3816854.8, 902.8, 1440.1, 0.0); (393179.8,
3816833.2, 901.5, 1440.1, 0.0);
(393170.6, 3816811.6, 899.6, 1440.1, 0.0); (393161.3,
3816789.9, 900.2, 1440.1, 0.0);
(393152.1, 3816768.3, 900.3, 1440.1, 0.0); (393142.8,
3816746.7, 900.4, 1440.1, 0.0);
(393133.6, 3816725.0, 901.1, 1440.1, 0.0); (393124.3,
3816703.4, 902.0, 1440.1, 0.0);
(393115.1, 3816681.8, 903.2, 1440.1, 0.0); (393105.8,
3816660.1, 903.8, 1440.1, 0.0);
(393096.6, 3816638.5, 904.2, 1440.1, 0.0); (393087.3,
3816616.9, 904.0, 1440.1, 0.0);
(393078.1, 3816595.2, 903.1, 1440.1, 0.0); (393068.8,
3816573.6, 902.3, 1440.1, 0.0);
(393059.6, 3816552.0, 900.8, 1440.1, 0.0); (393050.3,
3816530.3, 899.3, 1440.1, 0.0);
(393041.1, 3816508.7, 897.5, 1440.1, 0.0); (394609.6,
3818055.5, 1131.9, 1188.9, 0.0);
(394633.5, 3818055.8, 1137.5, 1188.9, 0.0); (394657.5,
3818056.2, 1145.1, 1188.9, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394681.4, 3818056.5, 1152.0, 1188.9, 0.0); (394705.3,
3818056.8, 1156.2, 1188.9, 0.0);
(394729.3, 3818057.1, 1157.9, 1188.9, 0.0); (394753.2,
3818057.5, 1156.6, 1188.9, 0.0);
(394777.1, 3818057.8, 1151.0, 1188.9, 0.0); (394801.1,
3818058.1, 1142.2, 1188.9, 0.0);
(394825.0, 3818058.5, 1132.6, 1188.9, 0.0); (394848.9,
3818058.8, 1123.2, 1188.9, 0.0);

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     ( 394872.9, 3818059.1,    1114.3,    1188.9,       0.0);         ( 394896.8,
3818059.4,    1105.6,    1188.9,       0.0);
     ( 394920.7, 3818059.8,    1097.5,    1188.9,       0.0);         ( 394944.6,
3818060.1,    1088.3,    1439.0,       0.0);
     ( 394968.6, 3818060.4,    1081.9,    1440.1,       0.0);         ( 394992.5,
3818060.8,    1079.2,    1440.1,       0.0);
     ( 395016.5, 3818061.1,    1080.9,    1440.1,       0.0);         ( 395040.4,
3818061.4,    1088.5,    1188.9,       0.0);
     ( 394584.1, 3818296.2,    1096.4,    1440.1,       0.0);         ( 394562.1,
3818286.9,    1101.3,    1440.1,       0.0);
     ( 394540.0, 3818277.7,    1100.4,    1440.1,       0.0);         ( 394518.0,
3818268.4,    1091.5,    1440.1,       0.0);
     ( 394495.9, 3818259.1,    1081.5,    1440.1,       0.0);         ( 394473.9,
3818249.8,    1073.7,    1440.1,       0.0);
     ( 394451.8, 3818240.6,    1070.8,    1440.1,       0.0);         ( 394429.8,
3818231.3,    1070.0,    1440.1,       0.0);
     ( 394407.7, 3818222.0,    1067.5,    1440.1,       0.0);         ( 394385.7,
3818212.8,    1064.7,    1440.1,       0.0);
     ( 394363.6, 3818203.5,    1059.4,    1440.1,       0.0);         ( 394341.6,
3818194.2,    1053.1,    1440.1,       0.0);
     ( 394319.5, 3818184.9,    1045.8,    1440.1,       0.0);         ( 394297.5,
3818175.7,    1039.5,    1440.1,       0.0);
     ( 394275.4, 3818166.4,    1034.0,    1440.1,       0.0);         ( 394253.4,
3818157.1,    1029.7,    1440.1,       0.0);
     ( 394231.3, 3818147.9,    1026.8,    1440.1,       0.0);         ( 394209.3,
3818138.6,    1024.4,    1440.1,       0.0);
     ( 394187.2, 3818129.3,    1020.7,    1440.1,       0.0);         ( 394165.2,
3818120.0,    1016.1,    1440.1,       0.0);
     ( 394143.1, 3818110.8,    1011.7,    1440.1,       0.0);         ( 394121.1,
3818101.5,    1007.5,    1440.1,       0.0);
     ( 394099.0, 3818092.2,    1003.5,    1440.1,       0.0);         ( 394077.0,
3818082.9,    1001.6,    1440.1,       0.0);
     ( 394054.9, 3818073.7,     997.0,    1440.1,       0.0);         ( 394032.9,
3818064.4,     993.3,    1440.1,       0.0);
     ( 394010.8, 3818055.1,     990.0,    1440.1,       0.0);         ( 393988.8,
3818045.9,     987.0,    1440.1,       0.0);
     ( 393966.7, 3818036.6,     984.2,    1440.1,       0.0);         ( 393944.7,
3818027.3,     981.6,    1440.1,       0.0);
     ( 393922.6, 3818018.0,     979.4,    1440.1,       0.0);         ( 393900.6,
3818008.8,     977.9,    1440.1,       0.0);
     ( 393878.5, 3817999.5,     976.4,    1440.1,       0.0);         ( 393856.5,
3817990.2,     974.5,    1440.1,       0.0);
     ( 393834.4, 3817980.9,     972.3,    1440.1,       0.0);         ( 393812.4,
3817971.7,     969.8,    1440.1,       0.0);
     ( 393790.3, 3817962.4,     967.1,    1440.1,       0.0);         ( 393768.3,
3817953.1,     965.2,    1440.1,       0.0);
     ( 393746.2, 3817943.9,     963.9,    1440.1,       0.0);         ( 393724.2,
3817934.6,     963.2,    1440.1,       0.0);
     ( 393702.1, 3817925.3,     961.9,    1440.1,       0.0);         ( 393680.1,
3817916.0,     962.0,    1440.1,       0.0);
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     ( 393658.0, 3817906.8,     963.3,    1440.1,       0.0);         ( 393636.0,
3817897.5,     965.6,    1440.1,       0.0);
     ( 393613.9, 3817888.2,     971.6,    1440.1,       0.0);         ( 393591.9,
3817879.0,     978.1,    1440.1,       0.0);
     ( 393569.8, 3817869.7,     980.7,    1440.1,       0.0);         ( 393547.8,
3817860.4,     980.4,    1440.1,       0.0);
     ( 393525.7, 3817851.1,     976.5,    1440.1,       0.0);         ( 393503.7,
3817841.9,     972.3,    1440.1,       0.0);
     ( 393481.6, 3817832.6,     970.3,    1440.1,       0.0);         ( 393459.6,
3817823.3,     970.4,    1440.1,       0.0);
     ( 393437.5, 3817814.0,     969.8,    1440.1,       0.0);         ( 393415.5,
3817804.8,     972.5,    1440.1,       0.0);
     ( 393393.4, 3817795.5,     973.7,    1440.1,       0.0);         ( 393371.4,
3817786.2,     972.7,    1440.1,       0.0);
     ( 393349.3, 3817777.0,     970.4,    1440.1,       0.0);         ( 393317.9,
3817745.7,     965.6,    1440.1,       0.0);
     ( 393308.5, 3817723.7,     963.0,    1440.1,       0.0);         ( 393299.1,
3817701.7,     960.8,    1440.1,       0.0);
     ( 393289.7, 3817679.7,     957.4,    1440.1,       0.0);         ( 393280.3,
3817657.7,     954.9,    1440.1,       0.0);
     ( 393270.9, 3817635.7,     952.7,    1440.1,       0.0);         ( 393261.5,
3817613.7,     950.1,    1440.1,       0.0);
     ( 393252.0, 3817591.7,     946.5,    1440.1,       0.0);         ( 393242.6,
3817569.7,     944.1,    1440.1,       0.0);
     ( 393233.2, 3817547.7,     942.1,    1440.1,       0.0);         ( 393223.8,
3817525.8,     939.2,    1440.1,       0.0);
     ( 393214.4, 3817503.8,     937.2,    1440.1,       0.0);         ( 393205.0,
3817481.8,     935.1,    1440.1,       0.0);
     ( 393195.6, 3817459.8,     933.8,    1440.1,       0.0);         ( 393186.2,
3817437.8,     932.7,    1440.1,       0.0);
     ( 393176.8, 3817415.8,     932.3,    1440.1,       0.0);         ( 393167.4,
3817393.8,     931.9,    1440.1,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                        ***        09:14:47

                                    PAGE  14
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

     ( 393158.0, 3817371.8,     930.1,    1440.1,       0.0);         ( 393148.6,
3817349.8,     927.8,    1440.1,       0.0);
     ( 393139.2, 3817327.8,     926.0,    1440.1,       0.0);         ( 393129.8,
3817305.8,     925.2,    1440.1,       0.0);
     ( 393120.4, 3817283.8,     923.4,    1440.1,       0.0);         ( 393111.0,
3817261.8,     921.7,    1440.1,       0.0);
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     ( 393101.6, 3817239.8,     921.5,    1440.1,       0.0);         ( 393092.2,
3817217.8,     920.5,    1440.1,       0.0);
     ( 393082.8, 3817195.8,     920.3,    1440.1,       0.0);         ( 393073.4,
3817173.8,     920.3,    1440.1,       0.0);
     ( 393064.0, 3817151.8,     919.5,    1440.1,       0.0);         ( 393054.6,
3817129.8,     919.6,    1440.1,       0.0);
     ( 393045.2, 3817107.8,     918.4,    1440.1,       0.0);         ( 393035.8,
3817085.8,     915.6,    1440.1,       0.0);
     ( 393026.4, 3817063.9,     916.2,    1440.1,       0.0);         ( 393017.0,
3817041.9,     915.6,    1440.1,       0.0);
     ( 393007.6, 3817019.9,     916.9,    1440.1,       0.0);         ( 392998.2,
3816997.9,     919.5,    1440.1,       0.0);
     ( 392988.8, 3816975.9,     922.2,    1440.1,       0.0);         ( 392979.4,
3816953.9,     924.9,    1440.1,       0.0);
     ( 392970.0, 3816931.9,     927.5,    1440.1,       0.0);         ( 392960.5,
3816909.9,     929.5,    1440.1,       0.0);
     ( 392951.1, 3816887.9,     931.8,    1440.1,       0.0);         ( 392941.7,
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     ( 392932.3, 3816843.9,     936.3,    1440.1,       0.0);         ( 392922.9,
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     ( 392894.7, 3816755.9,     949.8,    1440.1,       0.0);         ( 392885.3,
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     ( 392838.3, 3816624.0,     922.2,    1440.1,       0.0);         ( 392828.9,
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     ( 392819.5, 3816580.0,     917.7,    1440.1,       0.0);         ( 392810.1,
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     ( 394606.2, 3818305.5,    1096.5,    1440.1,       0.0);         ( 394630.1,
3818305.8,    1102.8,    1440.1,       0.0);
     ( 394654.1, 3818306.1,    1110.6,    1440.1,       0.0);         ( 394678.0,
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     ( 394701.9, 3818306.8,    1127.2,    1188.9,       0.0);         ( 394725.8,
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     ( 394749.8, 3818307.4,    1145.1,    1188.9,       0.0);         ( 394773.7,
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     ( 394845.5, 3818308.8,    1157.6,    1188.9,       0.0);         ( 394869.4,
3818309.1,    1148.5,    1188.9,       0.0);
     ( 394893.4, 3818309.4,    1145.0,    1188.9,       0.0);         ( 394917.3,
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     ( 394423.7, 3818731.6,    1026.5,    1440.1,       0.0);         ( 394401.8,
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     ( 394204.2, 3818639.3,    1014.2,    1440.1,       0.0);         ( 394182.2,
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     ( 394160.3, 3818620.8,    1013.0,    1440.1,       0.0);         ( 394138.3,
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     ( 394116.4, 3818602.3,    1012.3,    1440.1,       0.0);         ( 394094.4,
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     ( 394072.5, 3818583.9,    1011.4,    1440.1,       0.0);         ( 394050.5,
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     ( 394028.5, 3818565.4,    1011.6,    1440.1,       0.0);         ( 394006.6,
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     ( 393984.6, 3818546.9,    1010.3,    1440.1,       0.0);         ( 393962.7,
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     ( 393940.7, 3818528.5,    1008.5,    1440.1,       0.0);         ( 393918.8,
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 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

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     ( 393765.1, 3818454.6,    1036.2,    1440.1,       0.0);         ( 393743.1,
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     ( 393721.2, 3818436.2,    1035.8,    1440.1,       0.0);         ( 393699.2,
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     ( 393677.3, 3818417.7,    1025.0,    1440.1,       0.0);         ( 393655.3,
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     ( 393545.6, 3818362.3,     995.4,    1440.1,       0.0);         ( 393523.6,
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     ( 393457.8, 3818325.4,     986.8,    1440.1,       0.0);         ( 393435.8,
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     ( 393282.1, 3818251.5,     977.5,    1440.1,       0.0);         ( 393260.2,
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     ( 393238.2, 3818233.1,     975.1,    1440.1,       0.0);         ( 393216.3,
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     ( 392928.0, 3818012.8,     955.3,    1440.1,       0.0);         ( 392918.6,
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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     ( 394671.1, 3818806.4,    1049.8,    1440.1,       0.0);         ( 394695.1,
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     ( 394307.9, 3819185.7,    1101.6,    1440.1,       0.0);         ( 394286.0,
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     ( 393651.2, 3818909.5,    1048.0,    1440.1,       0.0);         ( 393629.3,
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 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                      *** DISCRETE CARTESIAN RECEPTORS ***
                                    (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)
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```
     ( 393563.6, 3818872.7,    1033.6,    1440.1,       0.0);         ( 393541.7,
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     ( 393519.8, 3818854.3,    1032.6,    1440.1,       0.0);         ( 393497.9,
3818845.1,    1034.3,    1440.1,       0.0);
     ( 393476.0, 3818835.9,    1035.9,    1440.1,       0.0);         ( 393454.1,
3818826.7,    1046.1,    1440.1,       0.0);
     ( 393432.2, 3818817.5,    1053.9,    1440.1,       0.0);         ( 393410.4,
3818808.3,    1059.6,    1440.1,       0.0);
     ( 393388.5, 3818799.1,    1062.0,    1440.1,       0.0);         ( 393366.6,
3818789.9,    1061.5,    1440.1,       0.0);
     ( 393344.7, 3818780.7,    1056.3,    1440.1,       0.0);         ( 393322.8,
3818771.5,    1050.0,    1440.1,       0.0);
     ( 393300.9, 3818762.3,    1048.0,    1440.1,       0.0);         ( 393279.0,
3818753.1,    1048.8,    1440.1,       0.0);
     ( 393257.1, 3818743.9,    1054.0,    1440.1,       0.0);         ( 393235.2,
3818734.6,    1058.3,    1440.1,       0.0);
     ( 393213.3, 3818725.4,    1059.2,    1440.1,       0.0);         ( 393191.5,
3818716.2,    1059.4,    1440.1,       0.0);
     ( 393169.6, 3818707.0,    1054.8,    1440.1,       0.0);         ( 393147.7,
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     ( 393082.0, 3818670.2,    1026.2,    1440.1,       0.0);         ( 393060.1,
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     ( 392566.3, 3818345.9,     983.1,    1440.1,       0.0);         ( 392556.9,
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     ( 392342.2, 3817821.8,     954.0,    1440.1,       0.0);         ( 392332.9,
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     ( 392248.8, 3817603.4,     944.2,    1440.1,       0.0);         ( 392239.5,
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     ( 392211.5, 3817516.1,     945.7,    1440.1,       0.0);         ( 392202.2,
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     ( 392192.8, 3817472.4,     943.6,    1440.1,       0.0);         ( 392183.5,
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 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                       ***       09:14:47

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

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(392136.8, 3817341.4, 983.3, 1440.1, 0.0); (392127.5, 3817319.6, 988.9, 1440.1, 0.0);
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     ( 394144.5, 3819619.8,    1140.1,    1440.1,       0.0);         ( 394122.5,
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 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                         ***       09:14:47

                                   PAGE  19
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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     ( 392777.1, 3819044.8,    1063.8,    1440.1,       0.0);         ( 392755.0,
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     ( 392380.0, 3818877.9,    1012.9,    1440.1,       0.0);         ( 392358.0,
3818868.6,    1013.6,    1440.1,       0.0);
     ( 392335.9, 3818859.3,    1014.6,    1440.1,       0.0);         ( 392313.9,
3818850.0,    1015.0,    1440.1,       0.0);
     ( 392291.8, 3818840.8,    1014.2,    1440.1,       0.0);         ( 392260.4,
3818809.5,    1011.3,    1440.1,       0.0);
     ( 392251.0, 3818787.5,    1009.6,    1440.1,       0.0);         ( 392241.6,
3818765.5,    1008.0,    1440.1,       0.0);
     ( 392232.1, 3818743.5,    1006.5,    1440.1,       0.0);         ( 392222.7,
3818721.5,    1004.8,    1440.1,       0.0);
     ( 392213.3, 3818699.5,    1003.3,    1440.1,       0.0);         ( 392203.9,
3818677.5,    1001.7,    1440.1,       0.0);
     ( 392194.5, 3818655.5,    1000.2,    1440.1,       0.0);         ( 392185.1,
3818633.5,     999.0,    1440.1,       0.0);
     ( 392175.7, 3818611.5,     997.4,    1440.1,       0.0);         ( 392166.3,
3818589.5,     996.1,    1440.1,       0.0);
     ( 392156.9, 3818567.5,     994.7,    1440.1,       0.0);         ( 392147.5,
3818545.5,     993.2,    1440.1,       0.0);
     ( 392138.1, 3818523.5,     991.7,    1440.1,       0.0);         ( 392128.7,
3818501.5,     990.1,    1440.1,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                        ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(392119.3, 3818479.5, 988.6, 1440.1, 0.0); (392109.9, 3818457.5, 987.1, 1440.1, 0.0);
(392100.5, 3818435.5, 985.6, 1440.1, 0.0); (392091.1, 3818413.5, 983.8, 1440.1, 0.0);
(392081.7, 3818391.5, 984.0, 1440.1, 0.0); (392072.2, 3818369.5, 985.4, 1440.1, 0.0);
(392062.8, 3818347.5, 986.0, 1440.1, 0.0); (392053.4, 3818325.5, 986.5, 1440.1, 0.0);
(392044.0, 3818303.5, 988.0, 1440.1, 0.0); (392034.6, 3818281.5, 986.6, 1440.1, 0.0);
(392025.2, 3818259.5, 983.4, 1440.1, 0.0); (392015.8, 3818237.5, 981.0, 1440.1, 0.0);
(392006.4, 3818215.5, 978.2, 1440.1, 0.0); (391997.0, 3818193.5, 976.8, 1440.1, 0.0);
(391987.6, 3818171.5, 977.1, 1440.1, 0.0); (391978.2, 3818149.5, 976.6, 1440.1, 0.0);
(391968.8, 3818127.5, 973.5, 1440.1, 0.0); (391959.4, 3818105.5, 971.6, 1440.1, 0.0);
(391950.0, 3818083.5, 970.8, 1440.1, 0.0); (391940.6, 3818061.5, 969.7, 1440.1, 0.0);
(391931.2, 3818039.5, 968.0, 1440.1, 0.0); (391921.8, 3818017.5, 965.9, 1440.1, 0.0);
(391912.4, 3817995.5, 964.2, 1440.1, 0.0); (391903.0, 3817973.5, 964.4, 1440.1, 0.0);
(391893.5, 3817951.5, 964.2, 1440.1, 0.0); (391884.1, 3817929.5, 963.4, 1440.1, 0.0);
(391874.7, 3817907.5, 962.5, 1440.1, 0.0); (391865.3, 3817885.5, 962.8, 1440.1, 0.0);
(391855.9, 3817863.5, 962.7, 1440.1, 0.0); (391846.5, 3817841.5, 961.3, 1440.1, 0.0);
(391837.1, 3817819.5, 959.6, 1440.1, 0.0); (391827.7, 3817797.5, 958.4, 1440.1, 0.0);
(391818.3, 3817775.5, 957.9, 1440.1, 0.0); (391808.9, 3817753.5, 959.0, 1440.1, 0.0);
(391799.5, 3817731.5, 960.7, 1440.1, 0.0); (391790.1, 3817709.5, 962.5, 1440.1, 0.0);
(391780.7, 3817687.5, 964.3, 1440.1, 0.0); (391771.3, 3817665.5, 963.9, 1440.1, 0.0);
(391761.9, 3817643.5, 962.4, 1440.1, 0.0); (391752.5, 3817621.5, 960.5, 1440.1, 0.0);
(391743.0, 3817599.5, 958.5, 1440.1, 0.0); (391733.6, 3817577.5, 954.8, 1440.1, 0.0);
(391724.2, 3817555.5, 950.9, 1440.1, 0.0); (391714.8, 3817533.5, 947.1, 1440.1, 0.0);

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     ( 391705.4, 3817511.5,     944.4,    1440.1,       0.0);         ( 391696.0,
3817489.5,     941.2,    1440.1,       0.0);
     ( 391686.6, 3817467.5,     939.1,    1440.1,       0.0);         ( 391677.2,
3817445.5,     933.9,    1440.1,       0.0);
     ( 391667.8, 3817423.5,     930.3,    1440.1,       0.0);         ( 391658.4,
3817401.5,     927.7,    1440.1,       0.0);
     ( 391649.0, 3817379.5,     926.7,    1440.1,       0.0);         ( 391639.6,
3817357.5,     927.7,    1440.1,       0.0);
     ( 391630.2, 3817335.5,     923.7,    1440.1,       0.0);         ( 391620.8,
3817313.5,     918.6,    1440.1,       0.0);
     ( 391611.4, 3817291.5,     915.6,    1440.1,       0.0);         ( 391602.0,
3817269.5,     914.9,    1440.1,       0.0);
     ( 391592.6, 3817247.5,     913.8,    1440.1,       0.0);         ( 391583.2,
3817225.5,     913.4,    1440.1,       0.0);
     ( 391573.8, 3817203.5,     912.9,    1440.1,       0.0);         ( 391564.3,
3817181.5,     912.7,    1440.1,       0.0);
     ( 391554.9, 3817159.5,     913.0,    1440.1,       0.0);         ( 391545.5,
3817137.5,     913.2,    1440.1,       0.0);
     ( 391536.1, 3817115.5,     913.1,    1440.1,       0.0);         ( 391526.7,
3817093.5,     913.7,    1440.1,       0.0);
     ( 391517.3, 3817071.5,     915.9,    1440.1,       0.0);         ( 391507.9,
3817049.5,     920.6,    1440.1,       0.0);
     ( 391498.5, 3817027.5,     926.6,    1440.1,       0.0);         ( 391489.1,
3817005.5,     932.9,    1440.1,       0.0);
     ( 391479.7, 3816983.5,     938.9,    1440.1,       0.0);         ( 391470.3,
3816961.5,     940.6,    1440.1,       0.0);
     ( 391460.9, 3816939.5,     940.0,    1440.1,       0.0);         ( 391451.5,
3816917.5,     936.9,    1440.1,       0.0);
     ( 391442.1, 3816895.5,     931.7,    1440.1,       0.0);         ( 391432.7,
3816873.5,     926.1,    1440.1,       0.0);
     ( 391423.3, 3816851.5,     922.3,    1440.1,       0.0);         ( 391413.9,
3816829.5,     919.1,    1440.1,       0.0);
     ( 391404.5, 3816807.5,     919.8,    1440.1,       0.0);         ( 391395.0,
3816785.5,     920.4,    1440.1,       0.0);
     ( 391385.6, 3816763.4,     919.6,    1440.1,       0.0);         ( 391376.2,
3816741.4,     918.9,    1440.1,       0.0);
     ( 391366.8, 3816719.4,     918.4,    1440.1,       0.0);         ( 391357.4,
3816697.4,     920.4,    1440.1,       0.0);
     ( 391348.0, 3816675.4,     923.5,    1440.1,       0.0);         ( 391338.6,
3816653.4,     921.1,    1440.1,       0.0);
     ( 391329.2, 3816631.4,     917.3,    1440.1,       0.0);         ( 391319.8,
3816609.4,     913.5,    1440.1,       0.0);
     ( 391310.4, 3816587.4,     910.8,    1440.1,       0.0);         ( 391301.0,
3816565.4,     909.0,    1440.1,       0.0);
     ( 391291.6, 3816543.4,     906.7,    1440.1,       0.0);         ( 394585.6,
3819805.3,    1110.9,    1440.1,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                        ***       09:14:47
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394609.6, 3819805.7, 1108.6, 1440.1, 0.0); (394633.5, 3819806.0, 1107.1, 1440.1, 0.0);
(394657.4, 3819806.3, 1105.9, 1440.1, 0.0); (394681.4, 3819806.7, 1104.5, 1440.1, 0.0);
(394705.3, 3819807.0, 1103.4, 1440.1, 0.0); (394729.2, 3819807.3, 1102.8, 1440.1, 0.0);
(394753.2, 3819807.6, 1102.3, 1440.1, 0.0); (394777.1, 3819808.0, 1101.7, 1440.1, 0.0);
(394801.0, 3819808.3, 1101.4, 1440.1, 0.0); (394825.0, 3819808.6, 1101.8, 1440.1, 0.0);
(394848.9, 3819808.9, 1104.1, 1440.1, 0.0); (394872.8, 3819809.3, 1108.8, 1440.1, 0.0);
(394896.8, 3819809.6, 1115.0, 1440.1, 0.0); (394920.7, 3819809.9, 1121.5, 1440.1, 0.0);
(394944.6, 3819810.3, 1127.1, 1440.1, 0.0); (394968.5, 3819810.6, 1130.4, 1440.1, 0.0);
(394992.5, 3819810.9, 1133.7, 1440.1, 0.0); (395016.4, 3819811.2, 1136.8, 1440.1, 0.0);
(394556.8, 3820296.0, 1137.3, 1440.1, 0.0); (394534.8, 3820286.8, 1139.3, 1440.1, 0.0);
(394512.8, 3820277.5, 1140.5, 1440.1, 0.0); (394490.8, 3820268.3, 1141.3, 1440.1, 0.0);
(394468.8, 3820259.0, 1141.8, 1440.1, 0.0); (394446.8, 3820249.8, 1142.8, 1440.1, 0.0);
(394424.8, 3820240.5, 1143.2, 1440.1, 0.0); (394402.8, 3820231.3, 1142.9, 1440.1, 0.0);
(394380.8, 3820222.0, 1142.7, 1440.1, 0.0); (394358.8, 3820212.8, 1142.9, 1440.1, 0.0);
(394336.8, 3820203.5, 1142.8, 1440.1, 0.0); (394314.8, 3820194.3, 1142.9, 1440.1, 0.0);
(394292.8, 3820185.0, 1142.8, 1440.1, 0.0); (394270.9, 3820175.8, 1142.6, 1440.1, 0.0);
(394248.9, 3820166.6, 1142.5, 1440.1, 0.0); (394226.9, 3820157.3, 1142.9, 1440.1, 0.0);
(394204.9, 3820148.1, 1143.5, 1440.1, 0.0); (394182.9, 3820138.8, 1143.1, 1440.1, 0.0);
(394160.9, 3820129.6, 1143.1, 1440.1, 0.0); (394138.9, 3820120.3, 1143.2, 1440.1, 0.0);
(394116.9, 3820111.1, 1143.4, 1440.1, 0.0); (394094.9, 3820101.8, 1144.9, 1440.1, 0.0);
(394072.9, 3820092.6, 1147.8, 1440.1, 0.0); (394050.9, 3820083.3, 1150.7, 1440.1, 0.0);

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     ( 394028.9, 3820074.1,    1153.2,    1440.1,       0.0);         ( 394006.9,
3820064.8,    1155.8,    1440.1,       0.0);
     ( 393984.9, 3820055.6,    1157.6,    1440.1,       0.0);         ( 393962.9,
3820046.3,    1159.3,    1440.1,       0.0);
     ( 393940.9, 3820037.1,    1162.2,    1440.1,       0.0);         ( 393918.9,
3820027.8,    1166.1,    1440.1,       0.0);
     ( 393896.9, 3820018.6,    1170.7,    1440.1,       0.0);         ( 393874.9,
3820009.3,    1175.7,    1440.1,       0.0);
     ( 393852.9, 3820000.1,    1181.2,    1440.1,       0.0);         ( 393830.9,
3819990.8,    1187.3,    1440.1,       0.0);
     ( 393808.9, 3819981.6,    1194.2,    1440.1,       0.0);         ( 393786.9,
3819972.3,    1202.1,    1440.1,       0.0);
     ( 393765.0, 3819963.1,    1211.4,    1440.1,       0.0);         ( 393743.0,
3819953.8,    1221.1,    1440.1,       0.0);
     ( 393721.0, 3819944.6,    1235.0,    1440.1,       0.0);         ( 393699.0,
3819935.3,    1246.2,    1440.1,       0.0);
     ( 393677.0, 3819926.1,    1256.3,    1440.1,       0.0);         ( 393655.0,
3819916.8,    1268.8,    1440.1,       0.0);
     ( 393633.0, 3819907.6,    1275.2,    1440.1,       0.0);         ( 393611.0,
3819898.3,    1270.8,    1440.1,       0.0);
     ( 393589.0, 3819889.1,    1255.5,    1440.1,       0.0);         ( 393567.0,
3819879.8,    1239.1,    1440.1,       0.0);
     ( 393545.0, 3819870.6,    1224.4,    1440.1,       0.0);         ( 393523.0,
3819861.3,    1210.4,    1440.1,       0.0);
     ( 393501.0, 3819852.1,    1197.5,    1440.1,       0.0);         ( 393479.0,
3819842.8,    1185.9,    1440.1,       0.0);
     ( 393457.0, 3819833.6,    1175.4,    1440.1,       0.0);         ( 393435.0,
3819824.3,    1165.3,    1440.1,       0.0);
     ( 393413.0, 3819815.1,    1156.5,    1440.1,       0.0);         ( 393391.0,
3819805.8,    1147.7,    1440.1,       0.0);
     ( 393369.0, 3819796.6,    1140.9,    1440.1,       0.0);         ( 393347.0,
3819787.3,    1133.9,    1440.1,       0.0);
     ( 393325.0, 3819778.1,    1127.7,    1440.1,       0.0);         ( 393303.0,
3819768.8,    1124.2,    1440.1,       0.0);
     ( 393281.0, 3819759.6,    1125.3,    1440.1,       0.0);         ( 393259.0,
3819750.3,    1127.7,    1440.1,       0.0);
     ( 393237.0, 3819741.1,    1131.3,    1440.1,       0.0);         ( 393215.0,
3819731.8,    1134.9,    1440.1,       0.0);
     ( 393193.0, 3819722.6,    1139.0,    1440.1,       0.0);         ( 393171.0,
3819713.3,    1143.0,    1440.1,       0.0);
     ( 393149.0, 3819704.1,    1146.1,    1440.1,       0.0);         ( 393127.1,
3819694.8,    1150.4,    1440.1,       0.0);
     ( 393105.1, 3819685.6,    1146.4,    1440.1,       0.0);         ( 393083.1,
3819676.3,    1138.0,    1440.1,       0.0);
     ( 393061.1, 3819667.1,    1129.7,    1440.1,       0.0);         ( 393039.1,
3819657.8,    1122.0,    1440.1,       0.0);
     ( 393017.1, 3819648.6,    1114.7,    1440.1,       0.0);         ( 392995.1,
3819639.3,    1108.6,    1440.1,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(392973.1, 3819630.1, 1102.8, 1440.1, 0.0); (392951.1, 3819620.8, 1098.1, 1440.1, 0.0);
(392929.1, 3819611.6, 1095.0, 1440.1, 0.0); (392907.1, 3819602.3, 1092.1, 1440.1, 0.0);
(392885.1, 3819593.1, 1089.7, 1440.1, 0.0); (392863.1, 3819583.8, 1087.6, 1440.1, 0.0);
(392841.1, 3819574.6, 1085.7, 1440.1, 0.0); (392819.1, 3819565.3, 1083.9, 1440.1, 0.0);
(392797.1, 3819556.1, 1082.1, 1440.1, 0.0); (392775.1, 3819546.8, 1080.2, 1440.1, 0.0);
(392753.1, 3819537.6, 1078.3, 1440.1, 0.0); (392731.1, 3819528.3, 1076.5, 1440.1, 0.0);
(392709.1, 3819519.1, 1074.2, 1440.1, 0.0); (392687.1, 3819509.8, 1071.7, 1440.1, 0.0);
(392665.1, 3819500.6, 1069.5, 1440.1, 0.0); (392643.1, 3819491.3, 1066.1, 1440.1, 0.0);
(392621.1, 3819482.1, 1060.2, 1440.1, 0.0); (392599.1, 3819472.8, 1057.4, 1440.1, 0.0);
(392577.2, 3819463.6, 1056.5, 1440.1, 0.0); (392555.2, 3819454.3, 1058.5, 1440.1, 0.0);
(392533.2, 3819445.1, 1062.8, 1440.1, 0.0); (392511.2, 3819435.8, 1065.5, 1440.1, 0.0);
(392489.2, 3819426.6, 1062.5, 1440.1, 0.0); (392467.2, 3819417.3, 1059.7, 1440.1, 0.0);
(392445.2, 3819408.1, 1054.2, 1440.1, 0.0); (392423.2, 3819398.8, 1049.1, 1440.1, 0.0);
(392401.2, 3819389.6, 1044.4, 1440.1, 0.0); (392379.2, 3819380.3, 1039.7, 1440.1, 0.0);
(392357.2, 3819371.1, 1036.4, 1440.1, 0.0); (392335.2, 3819361.8, 1034.6, 1440.1, 0.0);
(392313.2, 3819352.6, 1033.4, 1440.1, 0.0); (392291.2, 3819343.3, 1032.3, 1440.1, 0.0);
(392269.2, 3819334.1, 1031.5, 1525.3, 0.0); (392247.2, 3819324.8, 1029.4, 1525.3, 0.0);
(392225.2, 3819315.6, 1027.1, 1526.2, 0.0); (392203.2, 3819306.3, 1026.5, 1530.3, 0.0);
(392181.2, 3819297.1, 1025.2, 1530.3, 0.0); (392159.2, 3819287.8, 1023.7, 1530.3, 0.0);
(392137.2, 3819278.6, 1023.0, 1530.3, 0.0); (392115.2, 3819269.3, 1021.6, 1587.1, 0.0);

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     ( 392093.2, 3819260.1,    1021.0,    1587.1,       0.0);         ( 392071.2,
3819250.8,    1020.9,    1587.1,       0.0);
     ( 392049.2, 3819241.6,    1020.5,    1587.1,       0.0);         ( 392027.2,
3819232.3,    1017.6,    1587.1,       0.0);
     ( 392005.3, 3819223.1,    1022.3,    1587.1,       0.0);         ( 391983.3,
3819213.8,    1029.0,    1530.3,       0.0);
     ( 391961.3, 3819204.6,    1034.2,    1526.2,       0.0);         ( 391939.3,
3819195.3,    1039.7,    1525.3,       0.0);
     ( 391907.9, 3819164.2,    1039.5,    1525.3,       0.0);         ( 391898.5,
3819142.2,    1030.9,    1530.3,       0.0);
     ( 391889.1, 3819120.3,    1023.9,    1587.1,       0.0);         ( 391879.8,
3819098.3,    1017.5,    1587.1,       0.0);
     ( 391870.4, 3819076.4,    1010.8,    1587.1,       0.0);         ( 391861.0,
3819054.5,    1009.0,    1587.1,       0.0);
     ( 391851.6, 3819032.5,    1007.5,    1587.1,       0.0);         ( 391842.2,
3819010.6,    1003.5,    1587.1,       0.0);
     ( 391832.8, 3818988.6,    1000.9,    1587.1,       0.0);         ( 391823.5,
3818966.7,     998.4,    1587.1,       0.0);
     ( 391814.1, 3818944.8,     996.2,    1587.1,       0.0);         ( 391804.7,
3818922.8,     995.7,    1587.1,       0.0);
     ( 391795.3, 3818900.9,     994.0,    1587.1,       0.0);         ( 391786.0,
3818878.9,     992.5,    1587.1,       0.0);
     ( 391776.6, 3818857.0,     991.1,    1587.1,       0.0);         ( 391767.2,
3818835.0,     989.9,    1587.1,       0.0);
     ( 391757.8, 3818813.1,     989.0,    1587.1,       0.0);         ( 391748.4,
3818791.2,     987.5,    1587.1,       0.0);
     ( 391739.0, 3818769.2,     986.4,    1587.1,       0.0);         ( 391729.7,
3818747.3,     985.3,    1587.1,       0.0);
     ( 391720.3, 3818725.3,     983.8,    1587.1,       0.0);         ( 391710.9,
3818703.4,     982.6,    1587.1,       0.0);
     ( 391701.5, 3818681.5,     981.4,    1587.1,       0.0);         ( 391692.1,
3818659.5,     979.9,    1587.1,       0.0);
     ( 391682.8, 3818637.6,     978.2,    1587.1,       0.0);         ( 391673.4,
3818615.6,     977.0,    1587.1,       0.0);
     ( 391664.0, 3818593.7,     976.0,    1587.1,       0.0);         ( 391654.6,
3818571.8,     975.5,    1587.1,       0.0);
     ( 391645.2, 3818549.8,     975.1,    1587.1,       0.0);         ( 391635.9,
3818527.9,     972.6,    1587.1,       0.0);
     ( 391626.5, 3818505.9,     971.4,    1587.1,       0.0);         ( 391617.1,
3818484.0,     969.5,    1587.1,       0.0);
     ( 391607.7, 3818462.1,     967.6,    1587.1,       0.0);         ( 391598.3,
3818440.1,     967.3,    1587.1,       0.0);
     ( 391589.0, 3818418.2,     966.6,    1587.1,       0.0);         ( 391579.6,
3818396.2,     964.0,    1587.1,       0.0);
     ( 391570.2, 3818374.3,     962.4,    1587.1,       0.0);         ( 391560.8,
3818352.3,     961.6,    1587.1,       0.0);
     ( 391551.5, 3818330.4,     961.5,    1587.1,       0.0);         ( 391542.1,
3818308.5,     962.2,    1587.1,       0.0);
     ( 391532.7, 3818286.5,     964.4,    1587.1,       0.0);         ( 391523.3,
3818264.6,     964.7,    1587.1,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(391513.9, 3818242.6, 962.6, 1587.1, 0.0); (391504.5, 3818220.7, 958.8, 1587.1, 0.0);
(391495.2, 3818198.8, 954.8, 1587.1, 0.0); (391485.8, 3818176.8, 951.6, 1587.1, 0.0);
(391476.4, 3818154.9, 949.5, 1587.1, 0.0); (391467.0, 3818132.9, 951.2, 1587.1, 0.0);
(391457.6, 3818111.0, 949.8, 1587.1, 0.0); (391448.3, 3818089.1, 949.3, 1587.1, 0.0);
(391438.9, 3818067.1, 952.3, 1587.1, 0.0); (391429.5, 3818045.2, 952.0, 1587.1, 0.0);
(391420.1, 3818023.2, 949.2, 1587.1, 0.0); (391410.7, 3818001.3, 945.4, 1587.1, 0.0);
(391401.4, 3817979.4, 946.5, 1587.1, 0.0); (391392.0, 3817957.4, 947.1, 1587.1, 0.0);
(391382.6, 3817935.5, 947.5, 1587.1, 0.0); (391373.2, 3817913.5, 946.8, 1587.1, 0.0);
(391363.8, 3817891.6, 945.5, 1587.1, 0.0); (391354.5, 3817869.6, 946.3, 1587.1, 0.0);
(391345.1, 3817847.7, 949.4, 1587.1, 0.0); (391335.7, 3817825.8, 948.9, 1440.1, 0.0);
(391326.3, 3817803.8, 945.8, 1587.1, 0.0); (391316.9, 3817781.9, 942.8, 1587.1, 0.0);
(391307.6, 3817759.9, 944.1, 1440.1, 0.0); (391298.2, 3817738.0, 943.7, 1440.1, 0.0);
(391288.8, 3817716.1, 942.9, 1440.1, 0.0); (391279.4, 3817694.1, 941.5, 1440.1, 0.0);
(391270.0, 3817672.2, 939.1, 1440.1, 0.0); (391260.7, 3817650.2, 937.4, 1440.1, 0.0);
(391251.3, 3817628.3, 935.3, 1440.1, 0.0); (391241.9, 3817606.4, 933.5, 1440.1, 0.0);
(391232.5, 3817584.4, 930.3, 1587.1, 0.0); (391223.1, 3817562.5, 927.7, 1587.1, 0.0);
(391213.8, 3817540.5, 924.7, 1587.1, 0.0); (391204.4, 3817518.6, 923.0, 1587.1, 0.0);
(391195.0, 3817496.7, 921.5, 1587.1, 0.0); (391185.6, 3817474.7, 920.0, 1587.1, 0.0);
(391176.2, 3817452.8, 919.6, 1587.1, 0.0); (391166.9, 3817430.8, 916.0, 1587.1, 0.0);

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     ( 391157.5, 3817408.9,     911.6,    1587.1,       0.0);         ( 391148.1,
3817387.0,     907.6,    1587.1,       0.0);
     ( 391138.7, 3817365.0,     905.0,    1587.1,       0.0);         ( 391129.3,
3817343.1,     903.2,    1587.1,       0.0);
     ( 391120.0, 3817321.1,     901.8,    1587.1,       0.0);         ( 391110.6,
3817299.2,     900.2,    1587.1,       0.0);
     ( 391101.2, 3817277.2,     899.5,    1587.1,       0.0);         ( 391091.8,
3817255.3,     898.2,    1587.1,       0.0);
     ( 391082.4, 3817233.4,     896.8,    1587.1,       0.0);         ( 391073.1,
3817211.4,     896.2,    1587.1,       0.0);
     ( 391063.7, 3817189.5,     895.3,    1587.1,       0.0);         ( 391054.3,
3817167.5,     894.3,    1587.1,       0.0);
     ( 391044.9, 3817145.6,     893.1,    1587.1,       0.0);         ( 391035.5,
3817123.7,     892.1,    1587.1,       0.0);
     ( 391026.2, 3817101.7,     891.0,    1587.1,       0.0);         ( 391016.8,
3817079.8,     890.2,    1587.1,       0.0);
     ( 391007.4, 3817057.8,     890.1,    1587.1,       0.0);         ( 390998.0,
3817035.9,     889.3,    1587.1,       0.0);
     ( 390988.6, 3817014.0,     888.1,    1587.1,       0.0);         ( 390979.3,
3816992.0,     886.3,    1587.1,       0.0);
     ( 390969.9, 3816970.1,     885.6,    1587.1,       0.0);         ( 390960.5,
3816948.1,     884.8,    1440.1,       0.0);
     ( 390951.1, 3816926.2,     884.0,    1440.1,       0.0);         ( 390941.7,
3816904.3,     883.3,    1440.1,       0.0);
     ( 390932.4, 3816882.3,     883.2,    1440.1,       0.0);         ( 390923.0,
3816860.4,     882.8,    1440.1,       0.0);
     ( 390913.6, 3816838.4,     880.6,    1440.1,       0.0);         ( 390904.2,
3816816.5,     879.6,    1440.1,       0.0);
     ( 390894.8, 3816794.6,     879.2,    1440.1,       0.0);         ( 390885.5,
3816772.6,     878.7,    1440.1,       0.0);
     ( 390876.1, 3816750.7,     877.3,    1440.1,       0.0);         ( 390866.7,
3816728.7,     876.9,    1440.1,       0.0);
     ( 390857.3, 3816706.8,     877.1,    1440.1,       0.0);         ( 390847.9,
3816684.8,     878.3,    1440.1,       0.0);
     ( 390838.5, 3816662.9,     878.0,    1440.1,       0.0);         ( 390829.2,
3816641.0,     877.5,    1440.1,       0.0);
     ( 390819.8, 3816619.0,     876.8,    1440.1,       0.0);         ( 390810.4,
3816597.1,     875.8,    1440.1,       0.0);
     ( 390801.0, 3816575.1,     874.8,    1440.1,       0.0);         ( 390791.6,
3816553.2,     873.8,    1440.1,       0.0);
     ( 394578.8, 3820305.3,    1135.6,    1440.1,       0.0);         ( 394602.7,
3820305.6,    1133.6,    1440.1,       0.0);
     ( 394626.7, 3820305.9,    1131.9,    1440.1,       0.0);         ( 394650.6,
3820306.3,    1130.7,    1440.1,       0.0);
     ( 394674.5, 3820306.6,    1129.9,    1440.1,       0.0);         ( 394698.5,
3820306.9,    1129.4,    1440.1,       0.0);
     ( 394722.4, 3820307.3,    1129.6,    1440.1,       0.0);         ( 394746.3,
3820307.6,    1131.1,    1440.1,       0.0);
     ( 394770.2, 3820307.9,    1134.7,    1440.1,       0.0);         ( 394794.2,
3820308.2,    1138.5,    1440.1,       0.0);
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(394818.1, 3820308.6, 1137.8, 1440.1, 0.0); (394842.0, 3820308.9, 1133.5, 1440.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394866.0, 3820309.2, 1129.3, 1440.1, 0.0); (394889.9, 3820309.6, 1127.3, 1440.1, 0.0);
(394913.8, 3820309.9, 1124.8, 1440.1, 0.0); (394937.8, 3820310.2, 1123.2, 1440.1, 0.0);
(394961.7, 3820310.5, 1123.6, 1440.1, 0.0); (394985.6, 3820310.9, 1124.0, 1440.1, 0.0);
(395009.6, 3820311.2, 1123.6, 1440.1, 0.0); (394538.6, 3821629.3, 1374.7, 1380.0, 0.0);
(394516.6, 3821620.0, 1373.6, 1380.0, 0.0); (394494.6, 3821610.8, 1372.8, 1379.7, 0.0);
(394472.6, 3821601.5, 1372.5, 1375.6, 0.0); (394450.6, 3821592.3, 1370.7, 1370.7, 0.0);
(394428.6, 3821583.0, 1369.0, 1369.0, 0.0); (394406.7, 3821573.8, 1366.8, 1369.1, 0.0);
(394384.7, 3821564.5, 1362.8, 1379.6, 0.0); (394362.7, 3821555.3, 1357.0, 1380.0, 0.0);
(394340.7, 3821546.1, 1349.2, 1380.0, 0.0); (394318.7, 3821536.8, 1339.3, 1380.0, 0.0);
(394296.7, 3821527.6, 1327.6, 1380.0, 0.0); (394274.8, 3821518.3, 1316.5, 1440.1, 0.0);
(394252.8, 3821509.1, 1309.6, 1440.1, 0.0); (394230.8, 3821499.8, 1308.8, 1440.1, 0.0);
(394208.8, 3821490.6, 1310.9, 1440.1, 0.0); (394186.8, 3821481.4, 1314.1, 1440.1, 0.0);
(394164.8, 3821472.1, 1323.8, 1440.1, 0.0); (394142.9, 3821462.9, 1332.3, 1440.1, 0.0);
(394120.9, 3821453.6, 1334.0, 1440.1, 0.0); (394098.9, 3821444.4, 1327.3, 1440.1, 0.0);
(394076.9, 3821435.1, 1318.2, 1440.1, 0.0); (394054.9, 3821425.9, 1309.1, 1440.1, 0.0);
(394032.9, 3821416.6, 1301.9, 1440.1, 0.0); (394011.0, 3821407.4, 1295.1, 1440.1, 0.0);
(393989.0, 3821398.2, 1287.8, 1440.1, 0.0); (393967.0, 3821388.9, 1283.2, 1440.1, 0.0);
(393945.0, 3821379.7, 1277.9, 1440.1, 0.0); (393923.0, 3821370.4, 1271.1, 1440.1, 0.0);

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     ( 393901.0, 3821361.2,    1268.0,    1440.1,       0.0);         ( 393879.1,
3821351.9,    1270.8,    1440.1,       0.0);
     ( 393857.1, 3821342.7,    1273.6,    1440.1,       0.0);         ( 393835.1,
3821333.4,    1279.0,    1440.1,       0.0);
     ( 393813.1, 3821324.2,    1285.8,    1440.1,       0.0);         ( 393791.1,
3821315.0,    1290.5,    1440.1,       0.0);
     ( 393769.1, 3821305.7,    1297.4,    1440.1,       0.0);         ( 393747.2,
3821296.5,    1307.5,    1440.1,       0.0);
     ( 393725.2, 3821287.2,    1318.2,    1440.1,       0.0);         ( 393703.2,
3821278.0,    1328.0,    1440.1,       0.0);
     ( 393681.2, 3821268.7,    1332.1,    1440.1,       0.0);         ( 393659.2,
3821259.5,    1328.1,    1440.1,       0.0);
     ( 393637.2, 3821250.2,    1321.3,    1440.1,       0.0);         ( 393615.3,
3821241.0,    1312.2,    1440.1,       0.0);
     ( 393593.3, 3821231.8,    1307.4,    1440.1,       0.0);         ( 393571.3,
3821222.5,    1309.0,    1440.1,       0.0);
     ( 393549.3, 3821213.3,    1311.7,    1440.1,       0.0);         ( 393527.3,
3821204.0,    1315.7,    1440.1,       0.0);
     ( 393505.3, 3821194.8,    1323.7,    1440.1,       0.0);         ( 393483.4,
3821185.5,    1334.1,    1440.1,       0.0);
     ( 393461.4, 3821176.3,    1344.9,    1440.1,       0.0);         ( 393439.4,
3821167.0,    1352.9,    1440.1,       0.0);
     ( 393417.4, 3821157.8,    1354.6,    1440.1,       0.0);         ( 393395.4,
3821148.6,    1349.5,    1440.1,       0.0);
     ( 393373.5, 3821139.3,    1343.2,    1440.1,       0.0);         ( 393351.5,
3821130.1,    1345.6,    1440.1,       0.0);
     ( 393329.5, 3821120.8,    1353.6,    1440.1,       0.0);         ( 393307.5,
3821111.6,    1368.2,    1440.1,       0.0);
     ( 393285.5, 3821102.3,    1382.0,    1440.1,       0.0);         ( 393263.5,
3821093.1,    1395.0,    1440.1,       0.0);
     ( 393241.5, 3821083.9,    1406.6,    1440.1,       0.0);         ( 393219.6,
3821074.6,    1418.7,    1440.1,       0.0);
     ( 393197.6, 3821065.4,    1429.2,    1440.1,       0.0);         ( 393175.6,
3821056.1,    1436.5,    1439.0,       0.0);
     ( 393153.6, 3821046.9,    1436.9,    1439.0,       0.0);         ( 393131.6,
3821037.6,    1431.7,    1440.1,       0.0);
     ( 393109.6, 3821028.4,    1423.7,    1440.1,       0.0);         ( 393087.7,
3821019.1,    1414.9,    1440.1,       0.0);
     ( 393065.7, 3821009.9,    1405.4,    1440.1,       0.0);         ( 393043.7,
3821000.7,    1395.2,    1440.1,       0.0);
     ( 393021.7, 3820991.4,    1383.5,    1440.1,       0.0);         ( 392999.7,
3820982.2,    1372.3,    1440.1,       0.0);
     ( 392977.8, 3820972.9,    1362.3,    1440.1,       0.0);         ( 392955.8,
3820963.7,    1351.8,    1440.1,       0.0);
     ( 392933.8, 3820954.4,    1341.3,    1440.1,       0.0);         ( 392911.8,
3820945.2,    1335.6,    1440.1,       0.0);
     ( 392889.8, 3820935.9,    1328.1,    1440.1,       0.0);         ( 392867.8,
3820926.7,    1317.8,    1440.1,       0.0);
     ( 392845.8, 3820917.5,    1309.7,    1440.1,       0.0);         ( 392823.9,
3820908.2,    1309.8,    1440.1,       0.0);
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(392801.9, 3820899.0, 1314.8, 1440.1, 0.0); (392779.9,
3820889.7, 1317.3, 1440.1, 0.0);
(392757.9, 3820880.5, 1318.5, 1440.1, 0.0); (392735.9,
3820871.2, 1320.7, 1440.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(392714.0, 3820862.0, 1320.4, 1440.1, 0.0); (392692.0,
3820852.8, 1313.9, 1440.1, 0.0);
(392670.0, 3820843.5, 1303.9, 1440.1, 0.0); (392648.0,
3820834.3, 1294.1, 1440.1, 0.0);
(392626.0, 3820825.0, 1285.1, 1440.1, 0.0); (392604.0,
3820815.8, 1276.3, 1440.1, 0.0);
(392582.0, 3820806.5, 1269.9, 1440.1, 0.0); (392560.1,
3820797.3, 1268.8, 1440.1, 0.0);
(392538.1, 3820788.0, 1276.6, 1440.1, 0.0); (392516.1,
3820778.8, 1286.3, 1440.1, 0.0);
(392494.1, 3820769.5, 1295.2, 1440.1, 0.0); (392472.1,
3820760.3, 1302.7, 1440.1, 0.0);
(392450.1, 3820751.1, 1308.6, 1440.1, 0.0); (392428.2,
3820741.8, 1316.2, 1440.1, 0.0);
(392406.2, 3820732.6, 1325.1, 1440.1, 0.0); (392384.2,
3820723.3, 1334.0, 1440.1, 0.0);
(392362.2, 3820714.1, 1341.7, 1440.1, 0.0); (392340.2,
3820704.8, 1348.4, 1440.1, 0.0);
(392318.2, 3820695.6, 1353.7, 1424.6, 0.0); (392296.3,
3820686.4, 1356.0, 1424.6, 0.0);
(392274.3, 3820677.1, 1356.0, 1424.6, 0.0); (392252.3,
3820667.9, 1352.3, 1424.6, 0.0);
(392230.3, 3820658.6, 1344.8, 1424.6, 0.0); (392208.3,
3820649.4, 1336.1, 1440.1, 0.0);
(392186.3, 3820640.1, 1327.7, 1440.1, 0.0); (392164.4,
3820630.9, 1319.8, 1440.1, 0.0);
(392142.4, 3820621.6, 1317.5, 1440.1, 0.0); (392120.4,
3820612.4, 1312.1, 1440.1, 0.0);
(392098.4, 3820603.2, 1299.2, 1440.1, 0.0); (392076.4,
3820593.9, 1288.8, 1440.1, 0.0);
(392054.5, 3820584.7, 1279.9, 1440.1, 0.0); (392032.5,
3820575.4, 1273.2, 1440.1, 0.0);
(392010.5, 3820566.2, 1270.9, 1440.1, 0.0); (391988.5,
3820556.9, 1270.9, 1440.1, 0.0);

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     ( 391966.5, 3820547.7,    1267.1,    1440.1,       0.0);         ( 391944.5,
3820538.4,    1261.0,    1440.1,       0.0);
     ( 391922.5, 3820529.2,    1255.1,    1440.1,       0.0);         ( 391900.6,
3820520.0,    1248.5,    1440.1,       0.0);
     ( 391878.6, 3820510.7,    1241.0,    1440.1,       0.0);         ( 391856.6,
3820501.5,    1231.7,    1440.1,       0.0);
     ( 391834.6, 3820492.2,    1221.2,    1440.1,       0.0);         ( 391812.6,
3820483.0,    1211.5,    1440.1,       0.0);
     ( 391790.6, 3820473.7,    1204.2,    1440.1,       0.0);         ( 391768.7,
3820464.5,    1198.8,    1440.1,       0.0);
     ( 391746.7, 3820455.2,    1194.0,    1440.1,       0.0);         ( 391724.7,
3820446.0,    1187.8,    1440.1,       0.0);
     ( 391702.7, 3820436.8,    1179.5,    1440.1,       0.0);         ( 391680.7,
3820427.5,    1169.6,    1440.1,       0.0);
     ( 391658.8, 3820418.3,    1160.1,    1440.1,       0.0);         ( 391636.8,
3820409.0,    1152.8,    1525.3,       0.0);
     ( 391614.8, 3820399.8,    1145.5,    1530.3,       0.0);         ( 391592.8,
3820390.5,    1138.8,    1587.1,       0.0);
     ( 391570.8, 3820381.3,    1134.1,    1587.1,       0.0);         ( 391548.8,
3820372.1,    1128.7,    1587.1,       0.0);
     ( 391526.8, 3820362.8,    1123.4,    1587.1,       0.0);         ( 391504.9,
3820353.6,    1115.8,    1587.1,       0.0);
     ( 391482.9, 3820344.3,    1109.4,    1587.1,       0.0);         ( 391460.9,
3820335.1,    1106.0,    1587.1,       0.0);
     ( 391438.9, 3820325.8,    1104.5,    1587.1,       0.0);         ( 391416.9,
3820316.6,    1103.4,    1587.1,       0.0);
     ( 391395.0, 3820307.3,    1101.7,    1587.1,       0.0);         ( 391373.0,
3820298.1,    1099.0,    1587.1,       0.0);
     ( 391351.0, 3820288.9,    1095.2,    1587.1,       0.0);         ( 391329.0,
3820279.6,    1091.1,    1587.8,       0.0);
     ( 391307.0, 3820270.4,    1085.3,    1587.9,       0.0);         ( 391285.0,
3820261.1,    1079.0,    1587.9,       0.0);
     ( 391263.0, 3820251.9,    1072.9,    1588.5,       0.0);         ( 391241.1,
3820242.6,    1067.9,    1590.4,       0.0);
     ( 391219.1, 3820233.4,    1063.7,    1590.6,       0.0);         ( 391197.1,
3820224.1,    1061.2,    1590.6,       0.0);
     ( 391175.1, 3820214.9,    1060.2,    1590.6,       0.0);         ( 391153.1,
3820205.7,    1057.9,    1591.3,       0.0);
     ( 391131.1, 3820196.4,    1055.2,    1591.3,       0.0);         ( 391109.2,
3820187.2,    1052.9,    1591.3,       0.0);
     ( 391087.2, 3820177.9,    1050.3,    1591.3,       0.0);         ( 391065.2,
3820168.7,    1047.4,    1591.3,       0.0);
     ( 391043.2, 3820159.4,    1044.6,    1591.3,       0.0);         ( 391021.2,
3820150.2,    1042.4,    1591.3,       0.0);
     ( 390999.2, 3820140.9,    1040.6,    1591.3,       0.0);         ( 390967.9,
3820109.8,    1036.0,    1591.3,       0.0);
     ( 390958.5, 3820087.8,    1034.7,    1591.3,       0.0);         ( 390949.1,
3820065.9,    1033.7,    1591.3,       0.0);
     ( 390939.8, 3820044.0,    1033.6,    1591.3,       0.0);         ( 390930.4,
3820022.1,    1032.0,    1591.3,       0.0);
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(390921.0, 3820000.1, 1030.8, 1591.3, 0.0); (390911.6, 3819978.2, 1029.7, 1591.3, 0.0);
(390902.3, 3819956.3, 1027.6, 1591.3, 0.0); (390892.9, 3819934.4, 1025.5, 1591.3, 0.0);
(390883.5, 3819912.4, 1022.9, 1591.3, 0.0); (390874.1, 3819890.5, 1021.1, 1591.3, 0.0);

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

(390864.8, 3819868.6, 1019.5, 1591.3, 0.0); (390855.4, 3819846.6, 1017.8, 1591.3, 0.0);
(390846.0, 3819824.7, 1015.9, 1591.3, 0.0); (390836.6, 3819802.8, 1014.0, 1591.3, 0.0);
(390827.3, 3819780.9, 1012.1, 1591.3, 0.0); (390817.9, 3819758.9, 1010.5, 1591.3, 0.0);
(390808.5, 3819737.0, 1009.3, 1591.3, 0.0); (390799.1, 3819715.1, 1006.4, 1591.3, 0.0);
(390789.8, 3819693.1, 1002.8, 1591.3, 0.0); (390780.4, 3819671.2, 999.5, 1591.3, 0.0);
(390771.0, 3819649.3, 998.6, 1591.3, 0.0); (390761.6, 3819627.4, 997.4, 1591.3, 0.0);
(390752.3, 3819605.4, 996.6, 1591.3, 0.0); (390742.9, 3819583.5, 996.8, 1591.3, 0.0);
(390733.5, 3819561.6, 997.3, 1591.3, 0.0); (390724.1, 3819539.6, 997.5, 1591.3, 0.0);
(390714.8, 3819517.7, 996.8, 1591.3, 0.0); (390705.4, 3819495.8, 995.8, 1591.3, 0.0);
(390696.0, 3819473.9, 994.5, 1591.3, 0.0); (390686.6, 3819451.9, 993.3, 1591.3, 0.0);
(390677.3, 3819430.0, 992.3, 1591.3, 0.0); (390667.9, 3819408.1, 991.0, 1591.3, 0.0);
(390658.5, 3819386.2, 989.8, 1591.3, 0.0); (390649.2, 3819364.2, 988.5, 1591.3, 0.0);
(390639.8, 3819342.3, 987.4, 1591.3, 0.0); (390630.4, 3819320.4, 986.2, 1591.3, 0.0);
(390621.0, 3819298.4, 985.0, 1591.3, 0.0); (390611.7, 3819276.5, 983.6, 1591.3, 0.0);
(390602.3, 3819254.6, 982.2, 1591.3, 0.0); (390592.9, 3819232.7, 980.8, 1591.3, 0.0);
(390583.5, 3819210.7, 979.5, 1591.3, 0.0); (390574.2, 3819188.8, 978.8, 1591.3, 0.0);

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    ( 390564.8, 3819166.9,     977.9,    1591.3,       0.0);         ( 390555.4,
3819144.9,     976.6,    1591.3,       0.0);
    ( 390546.0, 3819123.0,     975.4,    1591.3,       0.0);         ( 390536.7,
3819101.1,     973.9,    1591.3,       0.0);
    ( 390527.3, 3819079.2,     972.3,    1591.3,       0.0);         ( 390517.9,
3819057.2,     970.8,    1591.3,       0.0);
    ( 390508.5, 3819035.3,     969.7,    1591.3,       0.0);         ( 390499.2,
3819013.4,     969.1,    1591.3,       0.0);
    ( 390489.8, 3818991.4,     968.0,    1591.3,       0.0);         ( 390480.4,
3818969.5,     966.4,    1591.3,       0.0);
    ( 390471.0, 3818947.6,     965.4,    1591.3,       0.0);         ( 390461.7,
3818925.7,     964.3,    1591.3,       0.0);
    ( 390452.3, 3818903.7,     963.1,    1591.3,       0.0);         ( 390442.9,
3818881.8,     963.0,    1591.3,       0.0);
    ( 390433.5, 3818859.9,     962.2,    1591.3,       0.0);         ( 390424.2,
3818838.0,     960.8,    1591.3,       0.0);
    ( 390414.8, 3818816.0,     959.6,    1591.3,       0.0);         ( 390405.4,
3818794.1,     959.2,    1591.3,       0.0);
    ( 390396.0, 3818772.2,     958.5,    1591.3,       0.0);         ( 390386.7,
3818750.2,     957.9,    1591.3,       0.0);
    ( 390377.3, 3818728.3,     957.3,    1591.3,       0.0);         ( 390367.9,
3818706.4,     956.2,    1591.3,       0.0);
    ( 390358.5, 3818684.5,     954.7,    1591.3,       0.0);         ( 390349.2,
3818662.5,     954.1,    1591.3,       0.0);
    ( 390339.8, 3818640.6,     952.9,    1591.3,       0.0);         ( 390330.4,
3818618.7,     952.1,    1591.3,       0.0);
    ( 390321.0, 3818596.8,     951.0,    1591.3,       0.0);         ( 390311.7,
3818574.8,     950.4,    1591.3,       0.0);
    ( 390302.3, 3818552.9,     950.3,    1591.3,       0.0);         ( 390292.9,
3818531.0,     949.7,    1591.3,       0.0);
    ( 390283.5, 3818509.0,     949.6,    1591.3,       0.0);         ( 390274.2,
3818487.1,     948.2,    1591.3,       0.0);
    ( 390264.8, 3818465.2,     946.6,    1591.3,       0.0);         ( 390255.4,
3818443.3,     945.1,    1591.3,       0.0);
    ( 390246.0, 3818421.3,     945.0,    1591.3,       0.0);         ( 390236.7,
3818399.4,     943.9,    1591.3,       0.0);
    ( 390227.3, 3818377.5,     942.8,    1591.3,       0.0);         ( 390217.9,
3818355.5,     942.2,    1591.3,       0.0);
    ( 390208.5, 3818333.6,     940.8,    1591.3,       0.0);         ( 390199.2,
3818311.7,     939.8,    1591.3,       0.0);
    ( 390189.8, 3818289.8,     939.2,    1591.3,       0.0);         ( 390180.4,
3818267.8,     938.0,    1591.3,       0.0);
    ( 390171.0, 3818245.9,     936.6,    1591.3,       0.0);         ( 390161.7,
3818224.0,     935.3,    1591.3,       0.0);
    ( 390152.3, 3818202.0,     934.1,    1591.3,       0.0);         ( 390142.9,
3818180.1,     934.0,    1591.3,       0.0);
    ( 390133.5, 3818158.2,     933.3,    1591.3,       0.0);         ( 390124.2,
3818136.3,     932.0,    1591.3,       0.0);
    ( 390114.8, 3818114.3,     931.2,    1591.3,       0.0);         ( 390105.4,
3818092.4,     930.1,    1591.3,       0.0);
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(390096.0, 3818070.5, 929.1, 1591.3, 0.0); (390086.7, 3818048.5, 927.9, 1591.3, 0.0);
(390077.3, 3818026.6, 926.9, 1591.3, 0.0); (390067.9, 3818004.7, 926.2, 1591.3, 0.0);
(390058.5, 3817982.8, 925.4, 1591.3, 0.0); (390049.2, 3817960.8, 924.5, 1591.3, 0.0);
(390039.8, 3817938.9, 923.4, 1591.3, 0.0); (390030.4, 3817917.0, 922.3, 1591.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(390021.0, 3817895.1, 921.2, 1591.3, 0.0); (390011.7, 3817873.1, 920.4, 1591.3, 0.0);
(390002.3, 3817851.2, 919.8, 1591.3, 0.0); (389992.9, 3817829.3, 919.1, 1591.3, 0.0);
(389983.5, 3817807.3, 918.1, 1591.3, 0.0); (389974.2, 3817785.4, 917.2, 1591.3, 0.0);
(389964.8, 3817763.5, 916.4, 1591.3, 0.0); (389955.4, 3817741.6, 915.5, 1591.3, 0.0);
(389946.0, 3817719.6, 914.6, 1591.3, 0.0); (389936.7, 3817697.7, 913.6, 1591.3, 0.0);
(389927.3, 3817675.8, 912.5, 1591.3, 0.0); (389917.9, 3817653.8, 911.7, 1591.3, 0.0);
(389908.6, 3817631.9, 910.9, 1591.3, 0.0); (389899.2, 3817610.0, 910.0, 1591.3, 0.0);
(389889.8, 3817588.1, 908.9, 1591.3, 0.0); (389880.4, 3817566.1, 908.1, 1591.3, 0.0);
(389871.1, 3817544.2, 907.2, 1591.3, 0.0); (389861.7, 3817522.3, 906.4, 1591.3, 0.0);
(389852.3, 3817500.4, 905.3, 1591.3, 0.0); (389842.9, 3817478.4, 903.9, 1591.3, 0.0);
(389833.6, 3817456.5, 902.9, 1591.3, 0.0); (389824.2, 3817434.6, 902.8, 1591.3, 0.0);
(389814.8, 3817412.6, 901.5, 1591.3, 0.0); (389805.4, 3817390.7, 900.6, 1591.3, 0.0);
(389796.1, 3817368.8, 899.6, 1591.3, 0.0); (389786.7, 3817346.9, 898.4, 1591.3, 0.0);
(389777.3, 3817324.9, 898.3, 1591.3, 0.0); (389767.9, 3817303.0, 897.3, 1591.3, 0.0);
(389758.6, 3817281.1, 895.4, 1591.3, 0.0); (389749.2, 3817259.1, 896.0, 1591.3, 0.0);

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    ( 389739.8, 3817237.2,     894.6,    1591.3,       0.0);         ( 389730.4,
3817215.3,     892.5,    1591.3,       0.0);
    ( 389721.1, 3817193.4,     891.4,    1591.3,       0.0);         ( 389711.7,
3817171.4,     890.1,    1591.3,       0.0);
    ( 389702.3, 3817149.5,     888.9,    1591.3,       0.0);         ( 389692.9,
3817127.6,     887.8,    1591.3,       0.0);
    ( 389683.6, 3817105.6,     886.7,    1591.3,       0.0);         ( 389674.2,
3817083.7,     885.6,    1591.3,       0.0);
    ( 389664.8, 3817061.8,     884.4,    1591.3,       0.0);         ( 389655.4,
3817039.9,     883.3,    1591.3,       0.0);
    ( 389646.1, 3817017.9,     882.2,    1591.3,       0.0);         ( 389636.7,
3816996.0,     881.1,    1591.3,       0.0);
    ( 389627.3, 3816974.1,     880.1,    1591.3,       0.0);         ( 389617.9,
3816952.2,     878.9,    1591.3,       0.0);
    ( 389608.6, 3816930.2,     877.7,    1591.3,       0.0);         ( 389599.2,
3816908.3,     876.7,    1591.3,       0.0);
    ( 389589.8, 3816886.4,     875.8,    1591.3,       0.0);         ( 389580.4,
3816864.4,     874.7,    1591.3,       0.0);
    ( 389571.1, 3816842.5,     873.7,    1591.3,       0.0);         ( 389561.7,
3816820.6,     872.3,    1591.3,       0.0);
    ( 389552.3, 3816798.7,     871.7,    1591.3,       0.0);         ( 389542.9,
3816776.7,     870.9,    1591.3,       0.0);
    ( 389533.6, 3816754.8,     869.9,    1591.3,       0.0);         ( 389524.2,
3816732.9,     869.2,    1591.3,       0.0);
    ( 389514.8, 3816710.9,     868.2,    1591.3,       0.0);         ( 389505.4,
3816689.0,     867.1,    1591.3,       0.0);
    ( 389496.1, 3816667.1,     865.5,    1591.3,       0.0);         ( 389486.7,
3816645.2,     864.6,    1591.3,       0.0);
    ( 389477.3, 3816623.2,     863.2,    1591.3,       0.0);         ( 389468.0,
3816601.3,     861.9,    1591.3,       0.0);
    ( 389458.6, 3816579.4,     861.1,    1591.3,       0.0);         ( 394560.5,
3821638.5,    1374.8,    1380.0,       0.0);
    ( 394584.5, 3821638.8,    1375.7,    1380.0,       0.0);         ( 394608.4,
3821639.2,    1375.1,    1377.7,       0.0);
    ( 394632.3, 3821639.5,    1370.8,    1380.0,       0.0);         ( 394656.3,
3821639.8,    1363.7,    1380.0,       0.0);
    ( 394680.2, 3821640.1,    1354.9,    1380.0,       0.0);         ( 394704.1,
3821640.5,    1346.3,    1380.0,       0.0);
    ( 394728.1, 3821640.8,    1341.0,    1380.0,       0.0);         ( 394752.0,
3821641.1,    1337.9,    1380.0,       0.0);
    ( 394775.9, 3821641.5,    1335.8,    1380.0,       0.0);         ( 394799.8,
3821641.8,    1335.5,    1380.0,       0.0);
    ( 394823.8, 3821642.1,    1336.9,    1380.0,       0.0);         ( 394847.7,
3821642.4,    1337.7,    1380.0,       0.0);
    ( 394871.6, 3821642.8,    1336.5,    1380.0,       0.0);         ( 394895.6,
3821643.1,    1333.9,    1380.0,       0.0);
    ( 394919.5, 3821643.4,    1330.0,    1380.0,       0.0);         ( 394943.4,
3821643.8,    1324.1,    1380.0,       0.0);
    ( 394967.4, 3821644.1,    1316.5,    1380.0,       0.0);         ( 394991.3,
3821644.4,    1310.3,    1380.0,       0.0);
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(394520.3, 3822962.5, 1018.9, 1440.1, 0.0); (394498.3, 3822953.2, 1021.1, 1440.1, 0.0);
(394476.3, 3822944.0, 1025.4, 1440.1, 0.0); (394454.4, 3822934.8, 1029.9, 1440.1, 0.0);
(394432.4, 3822925.5, 1032.9, 1440.1, 0.0); (394410.4, 3822916.3, 1033.3, 1440.1, 0.0);
(394388.5, 3822907.0, 1038.0, 1440.1, 0.0); (394366.5, 3822897.8, 1041.8, 1440.1, 0.0);
(394344.5, 3822888.5, 1044.3, 1440.1, 0.0); (394322.5, 3822879.3, 1044.9, 1440.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394300.5, 3822870.1, 1044.8, 1440.1, 0.0); (394278.6, 3822860.8, 1046.0, 1440.1, 0.0);
(394256.6, 3822851.6, 1050.8, 1440.1, 0.0); (394234.6, 3822842.3, 1055.3, 1440.1, 0.0);
(394212.6, 3822833.1, 1057.4, 1440.1, 0.0); (394190.7, 3822823.9, 1060.2, 1440.1, 0.0);
(394168.7, 3822814.6, 1060.1, 1440.1, 0.0); (394146.7, 3822805.4, 1058.2, 1440.1, 0.0);
(394124.7, 3822796.1, 1055.2, 1440.1, 0.0); (394102.8, 3822786.9, 1053.3, 1440.1, 0.0);
(394080.8, 3822777.6, 1049.3, 1440.1, 0.0); (394058.8, 3822768.4, 1041.5, 1440.1, 0.0);
(394036.8, 3822759.2, 1039.3, 1440.1, 0.0); (394014.9, 3822749.9, 1041.2, 1440.1, 0.0);
(393992.9, 3822740.7, 1045.7, 1440.1, 0.0); (393970.9, 3822731.4, 1048.9, 1440.1, 0.0);
(393948.9, 3822722.2, 1048.5, 1440.1, 0.0); (393927.0, 3822713.0, 1049.2, 1440.1, 0.0);
(393905.0, 3822703.7, 1049.5, 1440.1, 0.0); (393883.0, 3822694.5, 1049.9, 1525.3, 0.0);
(393861.0, 3822685.2, 1050.1, 1526.2, 0.0); (393839.1, 3822676.0, 1049.2, 1530.3, 0.0);
(393817.1, 3822666.8, 1047.0, 1530.3, 0.0); (393795.1, 3822657.5, 1042.8, 1530.3, 0.0);
(393773.1, 3822648.3, 1039.8, 1584.3, 0.0); (393751.2, 3822639.0, 1039.0, 1586.4, 0.0);
(393729.2, 3822629.8, 1040.2, 1587.1, 0.0); (393707.2, 3822620.6, 1046.1, 1584.3, 0.0);

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     ( 393685.2, 3822611.3,    1052.9,    1530.3,       0.0);         ( 393663.2,
3822602.1,    1055.8,    1530.3,       0.0);
     ( 393641.3, 3822592.8,    1051.7,    1584.3,       0.0);         ( 393619.3,
3822583.6,    1046.9,    1587.1,       0.0);
     ( 393597.3, 3822574.3,    1050.0,    1587.1,       0.0);         ( 393575.3,
3822565.1,    1050.4,    1587.1,       0.0);
     ( 393553.4, 3822555.9,    1049.3,    1587.1,       0.0);         ( 393531.4,
3822546.6,    1046.3,    1587.1,       0.0);
     ( 393509.4, 3822537.4,    1042.2,    1587.1,       0.0);         ( 393487.5,
3822528.1,    1039.0,    1587.1,       0.0);
     ( 393465.5, 3822518.9,    1036.8,    1587.1,       0.0);         ( 393443.5,
3822509.7,    1036.8,    1587.1,       0.0);
     ( 393421.5, 3822500.4,    1036.4,    1587.1,       0.0);         ( 393399.5,
3822491.2,    1036.7,    1587.1,       0.0);
     ( 393377.6, 3822481.9,    1037.9,    1587.1,       0.0);         ( 393355.6,
3822472.7,    1038.9,    1587.1,       0.0);
     ( 393333.6, 3822463.5,    1039.8,    1587.1,       0.0);         ( 393311.6,
3822454.2,    1042.8,    1587.1,       0.0);
     ( 393289.7, 3822445.0,    1044.5,    1587.1,       0.0);         ( 393267.7,
3822435.7,    1046.2,    1587.1,       0.0);
     ( 393245.7, 3822426.5,    1048.3,    1587.1,       0.0);         ( 393223.7,
3822417.3,    1050.2,    1587.1,       0.0);
     ( 393201.8, 3822408.0,    1053.6,    1587.1,       0.0);         ( 393179.8,
3822398.8,    1056.6,    1587.1,       0.0);
     ( 393157.8, 3822389.5,    1059.1,    1587.1,       0.0);         ( 393135.8,
3822380.3,    1061.4,    1587.1,       0.0);
     ( 393113.9, 3822371.0,    1064.0,    1587.1,       0.0);         ( 393091.9,
3822361.8,    1066.3,    1587.1,       0.0);
     ( 393069.9, 3822352.6,    1068.0,    1587.1,       0.0);         ( 393047.9,
3822343.3,    1071.4,    1587.1,       0.0);
     ( 393026.0, 3822334.1,    1073.2,    1587.1,       0.0);         ( 393004.0,
3822324.8,    1074.2,    1587.1,       0.0);
     ( 392982.0, 3822315.6,    1077.7,    1587.1,       0.0);         ( 392960.0,
3822306.4,    1081.8,    1587.1,       0.0);
     ( 392938.1, 3822297.1,    1085.1,    1587.1,       0.0);         ( 392916.1,
3822287.9,    1088.4,    1587.1,       0.0);
     ( 392894.1, 3822278.6,    1092.0,    1587.1,       0.0);         ( 392872.1,
3822269.4,    1095.0,    1587.1,       0.0);
     ( 392850.1, 3822260.2,    1097.3,    1587.1,       0.0);         ( 392828.2,
3822250.9,    1104.0,    1587.1,       0.0);
     ( 392806.2, 3822241.7,    1108.7,    1587.1,       0.0);         ( 392784.2,
3822232.4,    1114.3,    1587.1,       0.0);
     ( 392762.2, 3822223.2,    1119.6,    1587.1,       0.0);         ( 392740.3,
3822213.9,    1125.5,    1587.1,       0.0);
     ( 392718.3, 3822204.7,    1132.8,    1584.3,       0.0);         ( 392696.3,
3822195.5,    1138.1,    1530.3,       0.0);
     ( 392674.3, 3822186.2,    1142.3,    1530.3,       0.0);         ( 392652.4,
3822177.0,    1146.5,    1530.3,       0.0);
     ( 392630.4, 3822167.8,    1149.0,    1530.3,       0.0);         ( 392608.4,
3822158.5,    1154.6,    1530.3,       0.0);
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(392586.5, 3822149.3, 1162.3, 1526.2, 0.0); (392564.5, 3822140.0, 1169.3, 1525.3, 0.0);
(392542.5, 3822130.8, 1175.3, 1440.1, 0.0); (392520.5, 3822121.5, 1180.3, 1440.1, 0.0);
(392498.5, 3822112.3, 1186.1, 1440.1, 0.0); (392476.6, 3822103.1, 1191.4, 1440.1, 0.0);
(392454.6, 3822093.8, 1197.4, 1440.1, 0.0); (392432.6, 3822084.6, 1206.0, 1440.1, 0.0);
(392410.6, 3822075.3, 1217.6, 1440.1, 0.0); (392388.7, 3822066.1, 1229.1, 1440.1, 0.0);
(392366.7, 3822056.9, 1238.3, 1440.1, 0.0); (392344.7, 3822047.6, 1237.8, 1440.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(392322.7, 3822038.4, 1238.4, 1440.1, 0.0); (392300.8, 3822029.1, 1244.2, 1440.1, 0.0);
(392278.8, 3822019.9, 1251.7, 1440.1, 0.0); (392256.8, 3822010.6, 1253.0, 1440.1, 0.0);
(392234.8, 3822001.4, 1246.5, 1440.1, 0.0); (392212.9, 3821992.2, 1243.2, 1440.1, 0.0);
(392190.9, 3821982.9, 1244.1, 1440.1, 0.0); (392168.9, 3821973.7, 1248.4, 1440.1, 0.0);
(392146.9, 3821964.4, 1256.7, 1440.1, 0.0); (392125.0, 3821955.2, 1265.8, 1440.1, 0.0);
(392103.0, 3821946.0, 1271.1, 1440.1, 0.0); (392081.0, 3821936.7, 1273.7, 1440.1, 0.0);
(392059.0, 3821927.5, 1280.7, 1440.1, 0.0); (392037.0, 3821918.2, 1288.9, 1440.1, 0.0);
(392015.1, 3821909.0, 1294.9, 1440.1, 0.0); (391993.1, 3821899.8, 1302.8, 1424.6, 0.0);
(391971.1, 3821890.5, 1310.3, 1424.6, 0.0); (391949.1, 3821881.3, 1314.4, 1424.6, 0.0);
(391927.2, 3821872.0, 1318.8, 1424.6, 0.0); (391905.2, 3821862.8, 1326.1, 1424.6, 0.0);
(391883.2, 3821853.6, 1330.8, 1424.6, 0.0); (391861.2, 3821844.3, 1335.1, 1424.6, 0.0);
(391839.3, 3821835.1, 1337.3, 1424.6, 0.0); (391817.3, 3821825.8, 1333.7, 1424.6, 0.0);
(391795.3, 3821816.6, 1324.9, 1424.6, 0.0); (391773.3, 3821807.3, 1315.3, 1424.6, 0.0);

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    ( 391751.4, 3821798.1,    1306.8,    1424.6,       0.0);         ( 391729.4,
3821788.9,    1299.5,    1424.6,       0.0);
    ( 391707.4, 3821779.6,    1289.8,    1424.6,       0.0);         ( 391685.4,
3821770.4,    1281.2,    1424.6,       0.0);
    ( 391663.5, 3821761.1,    1275.3,    1440.1,       0.0);         ( 391641.5,
3821751.9,    1275.4,    1440.1,       0.0);
    ( 391619.5, 3821742.7,    1279.6,    1424.6,       0.0);         ( 391597.5,
3821733.4,    1281.3,    1424.6,       0.0);
    ( 391575.6, 3821724.2,    1278.8,    1424.6,       0.0);         ( 391553.6,
3821714.9,    1273.8,    1424.6,       0.0);
    ( 391531.6, 3821705.7,    1267.6,    1440.1,       0.0);         ( 391509.6,
3821696.5,    1260.5,    1440.1,       0.0);
    ( 391487.7, 3821687.2,    1253.0,    1440.1,       0.0);         ( 391465.7,
3821678.0,    1246.1,    1526.2,       0.0);
    ( 391443.7, 3821668.7,    1237.8,    1530.3,       0.0);         ( 391421.7,
3821659.5,    1228.5,    1587.1,       0.0);
    ( 391399.8, 3821650.2,    1224.5,    1587.1,       0.0);         ( 391377.8,
3821641.0,    1223.1,    1587.1,       0.0);
    ( 391355.8, 3821631.8,    1223.1,    1587.1,       0.0);         ( 391333.8,
3821622.5,    1221.8,    1587.1,       0.0);
    ( 391311.9, 3821613.3,    1216.6,    1587.1,       0.0);         ( 391289.9,
3821604.0,    1206.9,    1587.1,       0.0);
    ( 391267.9, 3821594.8,    1195.8,    1587.1,       0.0);         ( 391245.9,
3821585.6,    1184.8,    1587.1,       0.0);
    ( 391224.0, 3821576.3,    1176.7,    1587.1,       0.0);         ( 391202.0,
3821567.1,    1172.4,    1587.1,       0.0);
    ( 391180.0, 3821557.8,    1171.9,    1587.1,       0.0);         ( 391158.0,
3821548.6,    1169.2,    1587.8,       0.0);
    ( 391136.0, 3821539.4,    1161.1,    1587.9,       0.0);         ( 391114.1,
3821530.1,    1154.3,    1587.9,       0.0);
    ( 391092.1, 3821520.9,    1149.5,    1588.5,       0.0);         ( 391070.1,
3821511.6,    1143.3,    1588.5,       0.0);
    ( 391048.1, 3821502.4,    1136.1,    1590.6,       0.0);         ( 391026.2,
3821493.2,    1129.9,    1590.6,       0.0);
    ( 391004.2, 3821483.9,    1124.6,    1591.3,       0.0);         ( 390982.2,
3821474.7,    1120.0,    1591.3,       0.0);
    ( 390960.2, 3821465.4,    1118.0,    1591.3,       0.0);         ( 390938.3,
3821456.2,    1119.8,    1591.3,       0.0);
    ( 390916.3, 3821446.9,    1120.8,    1591.3,       0.0);         ( 390894.3,
3821437.7,    1119.9,    1591.3,       0.0);
    ( 390872.3, 3821428.5,    1118.3,    1591.3,       0.0);         ( 390850.4,
3821419.2,    1116.7,    1591.3,       0.0);
    ( 390828.4, 3821410.0,    1115.0,    1591.3,       0.0);         ( 390806.4,
3821400.8,    1113.2,    1591.3,       0.0);
    ( 390784.4, 3821391.5,    1111.6,    1591.3,       0.0);         ( 390762.5,
3821382.3,    1109.9,    1591.3,       0.0);
    ( 390740.5, 3821373.0,    1108.0,    1591.3,       0.0);         ( 390718.5,
3821363.8,    1105.4,    1591.3,       0.0);
    ( 390696.5, 3821354.5,    1099.5,    1591.3,       0.0);         ( 390674.6,
3821345.3,    1094.2,    1591.3,       0.0);
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(390652.6, 3821336.1, 1093.7, 1591.3, 0.0); (390630.6, 3821326.8, 1097.5, 1591.3, 0.0);
(390608.6, 3821317.6, 1100.2, 1591.3, 0.0); (390586.7, 3821308.3, 1100.5, 1591.3, 0.0);
(390564.7, 3821299.1, 1100.0, 1591.3, 0.0); (390542.7, 3821289.9, 1099.7, 1591.3, 0.0);
(390520.7, 3821280.6, 1099.8, 1591.3, 0.0); (390498.8, 3821271.4, 1099.8, 1591.3, 0.0);
(390476.8, 3821262.1, 1099.7, 1591.3, 0.0); (390454.8, 3821252.9, 1098.8, 1591.3, 0.0);
(390432.8, 3821243.6, 1098.6, 1591.3, 0.0); (390410.8, 3821234.4, 1099.4, 1591.3, 0.0);
(390388.9, 3821225.2, 1099.0, 1591.3, 0.0); (390366.9, 3821215.9, 1095.8, 1591.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(390344.9, 3821206.7, 1095.7, 1591.3, 0.0); (390323.0, 3821197.4, 1098.5, 1591.3, 0.0);
(390301.0, 3821188.2, 1104.5, 1591.3, 0.0); (390279.0, 3821179.0, 1111.7, 1591.3, 0.0);
(390257.0, 3821169.7, 1117.8, 1591.3, 0.0); (390235.0, 3821160.5, 1124.1, 1591.3, 0.0);
(390213.1, 3821151.2, 1131.1, 1591.3, 0.0); (390191.1, 3821142.0, 1135.5, 1591.3, 0.0);
(390169.1, 3821132.8, 1139.1, 1591.3, 0.0); (390147.1, 3821123.5, 1142.1, 1591.3, 0.0);
(390125.2, 3821114.3, 1144.1, 1591.3, 0.0); (390103.2, 3821105.0, 1147.6, 1591.3, 0.0);
(390081.2, 3821095.8, 1153.2, 1591.3, 0.0); (390059.2, 3821086.5, 1158.8, 1591.3, 0.0);
(390027.9, 3821055.4, 1164.1, 1591.3, 0.0); (390018.5, 3821033.5, 1157.7, 1591.3, 0.0);
(390009.1, 3821011.5, 1152.1, 1591.3, 0.0); (389999.8, 3820989.6, 1146.5, 1591.3, 0.0);
(389990.4, 3820967.7, 1139.7, 1591.3, 0.0); (389981.0, 3820945.8, 1135.7, 1591.3, 0.0);
(389971.7, 3820923.9, 1132.1, 1591.3, 0.0); (389962.3, 3820901.9, 1129.8, 1591.3, 0.0);
(389952.9, 3820880.0, 1131.1, 1591.3, 0.0); (389943.5, 3820858.1, 1134.4, 1591.3, 0.0);

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     ( 389934.2, 3820836.2,    1140.9,    1591.3,       0.0);         ( 389924.8,
3820814.3,    1148.9,    1591.3,       0.0);
     ( 389915.4, 3820792.3,    1159.7,    1591.3,       0.0);         ( 389906.1,
3820770.4,    1164.6,    1591.3,       0.0);
     ( 389896.7, 3820748.5,    1164.3,    1591.3,       0.0);         ( 389887.3,
3820726.6,    1160.5,    1591.3,       0.0);
     ( 389878.0, 3820704.7,    1156.8,    1591.3,       0.0);         ( 389868.6,
3820682.8,    1162.2,    1591.3,       0.0);
     ( 389859.2, 3820660.8,    1169.0,    1591.3,       0.0);         ( 389849.8,
3820638.9,    1173.1,    1591.3,       0.0);
     ( 389840.5, 3820617.0,    1171.4,    1591.3,       0.0);         ( 389831.1,
3820595.1,    1168.7,    1591.3,       0.0);
     ( 389821.7, 3820573.1,    1166.1,    1591.3,       0.0);         ( 389812.3,
3820551.2,    1161.2,    1591.3,       0.0);
     ( 389803.0, 3820529.3,    1154.1,    1591.3,       0.0);         ( 389793.6,
3820507.4,    1147.7,    1591.3,       0.0);
     ( 389784.2, 3820485.5,    1142.5,    1591.3,       0.0);         ( 389774.9,
3820463.5,    1138.1,    1591.3,       0.0);
     ( 389765.5, 3820441.6,    1135.8,    1591.3,       0.0);         ( 389756.1,
3820419.7,    1133.8,    1591.3,       0.0);
     ( 389746.8, 3820397.8,    1132.1,    1591.3,       0.0);         ( 389737.4,
3820375.9,    1127.5,    1591.3,       0.0);
     ( 389728.0, 3820353.9,    1121.9,    1591.3,       0.0);         ( 389718.6,
3820332.0,    1114.2,    1591.3,       0.0);
     ( 389709.3, 3820310.1,    1108.5,    1591.3,       0.0);         ( 389699.9,
3820288.2,    1106.8,    1591.3,       0.0);
     ( 389690.5, 3820266.3,    1106.7,    1591.3,       0.0);         ( 389681.1,
3820244.3,    1109.6,    1591.3,       0.0);
     ( 389671.8, 3820222.4,    1115.5,    1591.3,       0.0);         ( 389662.4,
3820200.5,    1120.1,    1591.3,       0.0);
     ( 389653.0, 3820178.6,    1124.2,    1591.3,       0.0);         ( 389643.7,
3820156.7,    1129.7,    1591.3,       0.0);
     ( 389634.3, 3820134.7,    1133.0,    1591.3,       0.0);         ( 389624.9,
3820112.8,    1133.4,    1591.3,       0.0);
     ( 389615.5, 3820090.9,    1137.3,    1591.3,       0.0);         ( 389606.2,
3820069.0,    1134.9,    1591.3,       0.0);
     ( 389596.8, 3820047.1,    1129.0,    1591.3,       0.0);         ( 389587.4,
3820025.1,    1124.1,    1591.3,       0.0);
     ( 389578.1, 3820003.2,    1113.7,    1591.3,       0.0);         ( 389568.7,
3819981.3,    1104.1,    1591.3,       0.0);
     ( 389559.3, 3819959.4,    1096.5,    1591.3,       0.0);         ( 389550.0,
3819937.4,    1097.3,    1591.3,       0.0);
     ( 389540.6, 3819915.5,    1099.5,    1591.3,       0.0);         ( 389531.2,
3819893.6,    1101.8,    1591.3,       0.0);
     ( 389521.8, 3819871.7,    1102.6,    1591.3,       0.0);         ( 389512.5,
3819849.8,    1101.6,    1591.3,       0.0);
     ( 389503.1, 3819827.8,    1100.8,    1591.3,       0.0);         ( 389493.7,
3819805.9,    1099.7,    1591.3,       0.0);
     ( 389484.3, 3819784.0,    1097.6,    1591.3,       0.0);         ( 389475.0,
3819762.1,    1094.0,    1591.3,       0.0);
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(389465.6, 3819740.2, 1089.3, 1591.3, 0.0); (389456.2,
3819718.2, 1083.9, 1591.3, 0.0);
(389446.9, 3819696.3, 1079.6, 1591.3, 0.0); (389437.5,
3819674.4, 1076.1, 1591.3, 0.0);
(389428.1, 3819652.5, 1073.5, 1591.3, 0.0); (389418.8,
3819630.6, 1071.0, 1591.3, 0.0);
(389409.4, 3819608.6, 1067.3, 1591.3, 0.0); (389400.0,
3819586.7, 1063.8, 1591.3, 0.0);
(389390.6, 3819564.8, 1062.4, 1591.3, 0.0); (389381.3,
3819542.9, 1060.3, 1591.3, 0.0);
(389371.9, 3819521.0, 1058.3, 1591.3, 0.0); (389362.5,
3819499.0, 1057.1, 1591.3, 0.0);
(389353.1, 3819477.1, 1056.9, 1591.3, 0.0); (389343.8,
3819455.2, 1056.8, 1591.3, 0.0);
(389334.4, 3819433.3, 1058.0, 1591.3, 0.0); (389325.0,
3819411.4, 1059.7, 1591.3, 0.0);

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

(389315.7, 3819389.4, 1061.8, 1591.3, 0.0); (389306.3,
3819367.5, 1063.7, 1591.3, 0.0);
(389296.9, 3819345.6, 1066.1, 1591.3, 0.0); (389287.5,
3819323.7, 1069.8, 1591.3, 0.0);
(389278.2, 3819301.8, 1075.5, 1591.3, 0.0); (389268.8,
3819279.8, 1083.0, 1591.3, 0.0);
(389259.4, 3819257.9, 1091.2, 1591.3, 0.0); (389250.1,
3819236.0, 1098.2, 1591.3, 0.0);
(389240.7, 3819214.1, 1100.7, 1591.3, 0.0); (389231.3,
3819192.2, 1099.9, 1591.3, 0.0);
(389222.0, 3819170.2, 1100.8, 1591.3, 0.0); (389212.6,
3819148.3, 1099.1, 1591.3, 0.0);
(389203.2, 3819126.4, 1099.5, 1591.3, 0.0); (389193.8,
3819104.5, 1101.6, 1591.3, 0.0);
(389184.5, 3819082.6, 1096.9, 1591.3, 0.0); (389175.1,
3819060.6, 1097.1, 1591.3, 0.0);
(389165.7, 3819038.7, 1101.0, 1591.3, 0.0); (389156.3,
3819016.8, 1104.4, 1591.3, 0.0);
(389147.0, 3818994.9, 1108.7, 1591.3, 0.0); (389137.6,
3818973.0, 1114.0, 1590.6, 0.0);
(389128.2, 3818951.0, 1116.8, 1588.5, 0.0); (389118.9,
3818929.1, 1114.4, 1588.5, 0.0);

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    ( 389109.5, 3818907.2,    1115.5,    1588.4,       0.0);         ( 389100.1,
3818885.3,    1118.5,    1587.9,       0.0);
    ( 389090.8, 3818863.4,    1121.6,    1587.8,       0.0);         ( 389081.4,
3818841.4,    1120.8,    1120.8,       0.0);
    ( 389072.0, 3818819.5,    1117.9,    1587.8,       0.0);         ( 389062.6,
3818797.6,    1115.9,    1587.9,       0.0);
    ( 389053.3, 3818775.7,    1112.6,    1587.9,       0.0);         ( 389043.9,
3818753.8,    1110.3,    1587.9,       0.0);
    ( 389034.5, 3818731.8,    1107.6,    1587.9,       0.0);         ( 389025.1,
3818709.9,    1103.8,    1587.9,       0.0);
    ( 389015.8, 3818688.0,    1099.0,    1588.5,       0.0);         ( 389006.4,
3818666.1,    1092.7,    1590.6,       0.0);
    ( 388997.0, 3818644.1,    1083.6,    1591.3,       0.0);         ( 388987.7,
3818622.2,    1072.8,    1591.3,       0.0);
    ( 388978.3, 3818600.3,    1061.0,    1591.3,       0.0);         ( 388968.9,
3818578.4,    1049.9,    1591.3,       0.0);
    ( 388959.5, 3818556.5,    1040.4,    1591.3,       0.0);         ( 388950.2,
3818534.5,    1031.6,    1591.3,       0.0);
    ( 388940.8, 3818512.6,    1023.5,    1591.3,       0.0);         ( 388931.4,
3818490.7,    1015.6,    1591.3,       0.0);
    ( 388922.1, 3818468.8,    1010.4,    1591.3,       0.0);         ( 388912.7,
3818446.9,    1006.5,    1591.3,       0.0);
    ( 388903.3, 3818424.9,    1001.3,    1591.3,       0.0);         ( 388894.0,
3818403.0,     996.3,    1591.3,       0.0);
    ( 388884.6, 3818381.1,     992.7,    1591.3,       0.0);         ( 388875.2,
3818359.2,     990.5,    1591.3,       0.0);
    ( 388865.8, 3818337.3,     989.6,    1591.3,       0.0);         ( 388856.5,
3818315.3,     990.1,    1591.3,       0.0);
    ( 388847.1, 3818293.4,     988.2,    1591.3,       0.0);         ( 388837.7,
3818271.5,     986.2,    1591.3,       0.0);
    ( 388828.3, 3818249.6,     984.6,    1591.3,       0.0);         ( 388819.0,
3818227.7,     982.3,    1591.3,       0.0);
    ( 388809.6, 3818205.8,     980.0,    1591.3,       0.0);         ( 388800.2,
3818183.8,     977.9,    1591.3,       0.0);
    ( 388790.9, 3818161.9,     976.3,    1591.3,       0.0);         ( 388781.5,
3818140.0,     974.2,    1591.3,       0.0);
    ( 388772.1, 3818118.1,     971.5,    1591.3,       0.0);         ( 388762.8,
3818096.1,     968.6,    1591.3,       0.0);
    ( 388753.4, 3818074.2,     967.2,    1591.3,       0.0);         ( 388744.0,
3818052.3,     965.9,    1591.3,       0.0);
    ( 388734.6, 3818030.4,     964.8,    1591.3,       0.0);         ( 388725.3,
3818008.5,     962.3,    1591.3,       0.0);
    ( 388715.9, 3817986.5,     958.4,    1591.3,       0.0);         ( 388706.5,
3817964.6,     954.5,    1591.3,       0.0);
    ( 388697.1, 3817942.7,     949.6,    1591.3,       0.0);         ( 388687.8,
3817920.8,     944.7,    1591.3,       0.0);
    ( 388678.4, 3817898.9,     939.6,    1591.3,       0.0);         ( 388669.0,
3817876.9,     935.3,    1591.3,       0.0);
    ( 388659.7, 3817855.0,     932.4,    1591.3,       0.0);         ( 388650.3,
3817833.1,     929.1,    1591.3,       0.0);
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(388640.9, 3817811.2, 926.3, 1591.3, 0.0); (388631.5, 3817789.3, 924.1, 1591.3, 0.0);
(388622.2, 3817767.3, 923.1, 1591.3, 0.0); (388612.8, 3817745.4, 920.7, 1591.3, 0.0);
(388603.4, 3817723.5, 917.7, 1591.3, 0.0); (388594.1, 3817701.6, 915.5, 1591.3, 0.0);
(388584.7, 3817679.7, 912.6, 1591.3, 0.0); (388575.3, 3817657.7, 910.8, 1591.3, 0.0);
(388566.0, 3817635.8, 909.0, 1591.3, 0.0); (388556.6, 3817613.9, 907.0, 1591.3, 0.0);
(388547.2, 3817592.0, 904.8, 1591.3, 0.0); (388537.8, 3817570.1, 902.8, 1591.3, 0.0);
(388528.5, 3817548.1, 900.9, 1591.3, 0.0); (388519.1, 3817526.2, 899.1, 1591.3, 0.0);
(388509.7, 3817504.3, 897.5, 1591.3, 0.0); (388500.3, 3817482.4, 896.8, 1591.3, 0.0);
(388491.0, 3817460.4, 895.6, 1591.3, 0.0); (388481.6, 3817438.5, 895.1, 1591.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(388472.2, 3817416.6, 895.1, 1591.3, 0.0); (388462.9, 3817394.7, 895.0, 1591.3, 0.0);
(388453.5, 3817372.8, 894.9, 1591.3, 0.0); (388444.1, 3817350.8, 894.5, 1591.3, 0.0);
(388434.8, 3817328.9, 894.5, 1591.3, 0.0); (388425.4, 3817307.0, 894.1, 1591.3, 0.0);
(388416.0, 3817285.1, 893.4, 1591.3, 0.0); (388406.6, 3817263.2, 892.7, 1591.3, 0.0);
(388397.3, 3817241.2, 891.7, 1591.3, 0.0); (388387.9, 3817219.3, 889.3, 1591.3, 0.0);
(388378.5, 3817197.4, 884.8, 1591.3, 0.0); (388369.1, 3817175.5, 881.6, 1591.3, 0.0);
(388359.8, 3817153.6, 881.2, 1591.3, 0.0); (388350.4, 3817131.6, 881.1, 1591.3, 0.0);
(388341.0, 3817109.7, 880.9, 1591.3, 0.0); (388331.7, 3817087.8, 881.0, 1591.3, 0.0);
(388322.3, 3817065.9, 881.1, 1591.3, 0.0); (388312.9, 3817044.0, 882.5, 1591.3, 0.0);
(388303.5, 3817022.0, 887.6, 1591.3, 0.0); (388294.2, 3817000.1, 885.5, 1591.3, 0.0);

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    ( 388284.8, 3816978.2,     885.8,    1591.3,       0.0);         ( 388275.4,
3816956.3,     890.2,    1591.3,       0.0);
    ( 388266.1, 3816934.4,     895.7,    1591.3,       0.0);         ( 388256.7,
3816912.4,     898.7,    1591.3,       0.0);
    ( 388247.3, 3816890.5,     898.1,    1591.3,       0.0);         ( 388238.0,
3816868.6,     893.9,    1591.3,       0.0);
    ( 388228.6, 3816846.7,     895.0,    1591.3,       0.0);         ( 388219.2,
3816824.8,     897.8,    1591.3,       0.0);
    ( 388209.8, 3816802.8,     899.4,    1591.3,       0.0);         ( 388200.5,
3816780.9,     896.9,    1591.3,       0.0);
    ( 388191.1, 3816759.0,     900.9,    1591.3,       0.0);         ( 388181.7,
3816737.1,     905.5,    1591.3,       0.0);
    ( 388172.3, 3816715.2,     906.9,    1591.3,       0.0);         ( 388163.0,
3816693.2,     902.8,    1591.3,       0.0);
    ( 388153.6, 3816671.3,     899.1,    1591.3,       0.0);         ( 388144.2,
3816649.4,     896.0,    1591.3,       0.0);
    ( 388134.9, 3816627.5,     894.0,    1591.3,       0.0);         ( 388125.5,
3816605.6,     892.4,    1591.3,       0.0);
    ( 394542.3, 3822971.7,    1014.7,    1440.1,       0.0);         ( 394566.2,
3822972.0,    1013.6,    1440.1,       0.0);
    ( 394590.1, 3822972.4,    1011.5,    1440.1,       0.0);         ( 394614.1,
3822972.7,    1010.7,    1440.1,       0.0);
    ( 394638.0, 3822973.0,    1010.4,    1440.1,       0.0);         ( 394661.9,
3822973.3,    1011.0,    1440.1,       0.0);
    ( 394685.9, 3822973.7,    1012.7,    1440.1,       0.0);         ( 394709.8,
3822974.0,    1011.1,    1440.1,       0.0);
    ( 394733.7, 3822974.3,    1008.1,    1440.1,       0.0);         ( 394757.7,
3822974.7,    1005.5,    1440.1,       0.0);
    ( 394781.6, 3822975.0,    1003.9,    1440.1,       0.0);         ( 394805.5,
3822975.3,    1005.2,    1440.1,       0.0);
    ( 394829.5, 3822975.6,    1008.9,    1440.1,       0.0);         ( 394853.4,
3822976.0,    1010.6,    1440.1,       0.0);
    ( 394877.3, 3822976.3,    1007.5,    1440.1,       0.0);         ( 394901.2,
3822976.6,    1002.4,    1440.1,       0.0);
    ( 394925.2, 3822977.0,     999.2,    1440.1,       0.0);         ( 394949.1,
3822977.3,     997.9,    1440.1,       0.0);
    ( 394973.0, 3822977.6,     997.4,    1440.1,       0.0);         ( 394502.0,
3824295.6,     917.4,    1587.1,       0.0);
    ( 394479.9, 3824286.4,     918.4,    1587.1,       0.0);         ( 394457.8,
3824277.1,     919.9,    1587.1,       0.0);
    ( 394435.8, 3824267.8,     920.9,    1587.1,       0.0);         ( 394413.7,
3824258.5,     922.0,    1587.1,       0.0);
    ( 394391.7, 3824249.3,     923.3,    1587.1,       0.0);         ( 394369.6,
3824240.0,     924.5,    1587.1,       0.0);
    ( 394347.5, 3824230.7,     925.8,    1587.1,       0.0);         ( 394325.5,
3824221.4,     927.0,    1587.1,       0.0);
    ( 394303.4, 3824212.2,     927.7,    1587.1,       0.0);         ( 394281.4,
3824202.9,     928.2,    1587.1,       0.0);
    ( 394259.3, 3824193.6,     928.7,    1587.1,       0.0);         ( 394237.2,
3824184.3,     929.6,    1587.1,       0.0);
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(394215.2, 3824175.0, 930.6, 1587.1, 0.0); (394193.1, 3824165.8, 931.6, 1587.1, 0.0);
(394171.1, 3824156.5, 932.6, 1587.1, 0.0); (394149.0, 3824147.2, 933.7, 1587.1, 0.0);
(394126.9, 3824137.9, 934.5, 1587.1, 0.0); (394104.9, 3824128.7, 935.4, 1587.1, 0.0);
(394082.8, 3824119.4, 936.5, 1587.1, 0.0); (394060.8, 3824110.1, 937.8, 1587.1, 0.0);
(394038.7, 3824100.8, 939.3, 1587.1, 0.0); (394016.6, 3824091.6, 940.4, 1587.1, 0.0);
(393994.6, 3824082.3, 941.6, 1587.1, 0.0); (393972.5, 3824073.0, 943.1, 1587.1, 0.0);
(393950.5, 3824063.7, 944.3, 1587.1, 0.0); (393928.4, 3824054.5, 945.8, 1587.1, 0.0);
(393906.3, 3824045.2, 947.3, 1587.1, 0.0); (393884.3, 3824035.9, 948.6, 1587.1, 0.0);
(393862.2, 3824026.6, 950.0, 1587.1, 0.0); (393840.2, 3824017.3, 951.5, 1587.1, 0.0);
(393818.1, 3824008.1, 952.9, 1587.1, 0.0); (393796.0, 3823998.8, 952.0, 1587.1, 0.0);

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

(393774.0, 3823989.5, 950.9, 1587.1, 0.0); (393751.9, 3823980.2, 950.6, 1587.1, 0.0);
(393729.9, 3823971.0, 951.8, 1587.1, 0.0); (393707.8, 3823961.7, 953.6, 1587.1, 0.0);
(393685.7, 3823952.4, 954.5, 1587.1, 0.0); (393663.7, 3823943.1, 956.5, 1587.1, 0.0);
(393641.6, 3823933.9, 958.6, 1587.1, 0.0); (393619.6, 3823924.6, 959.8, 1587.1, 0.0);
(393597.5, 3823915.3, 961.8, 1587.1, 0.0); (393575.4, 3823906.0, 964.8, 1587.1, 0.0);
(393553.4, 3823896.8, 968.6, 1587.1, 0.0); (393531.3, 3823887.5, 972.1, 1587.1, 0.0);
(393509.3, 3823878.2, 972.7, 1587.1, 0.0); (393487.2, 3823868.9, 978.6, 1587.1, 0.0);
(393465.1, 3823859.6, 986.7, 1587.1, 0.0); (393443.1, 3823850.4, 994.0, 1587.1, 0.0);
(393421.0, 3823841.1, 994.6, 1587.1, 0.0); (393399.0, 3823831.8, 989.5, 1587.1, 0.0);

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    ( 393376.9, 3823822.5,     986.4,    1587.1,       0.0);         ( 393354.8,
3823813.3,     986.6,    1587.1,       0.0);
    ( 393332.8, 3823804.0,     987.4,    1587.1,       0.0);         ( 393310.7,
3823794.7,     989.3,    1587.1,       0.0);
    ( 393288.7, 3823785.4,     991.9,    1587.1,       0.0);         ( 393266.6,
3823776.2,     994.3,    1587.1,       0.0);
    ( 393244.5, 3823766.9,     996.6,    1587.1,       0.0);         ( 393222.5,
3823757.6,     999.5,    1587.1,       0.0);
    ( 393200.4, 3823748.3,    1003.3,    1587.1,       0.0);         ( 393178.4,
3823739.1,    1009.0,    1587.1,       0.0);
    ( 393156.3, 3823729.8,    1017.0,    1587.1,       0.0);         ( 393134.2,
3823720.5,    1024.5,    1587.1,       0.0);
    ( 393112.2, 3823711.2,    1031.9,    1587.1,       0.0);         ( 393090.1,
3823702.0,    1035.9,    1587.1,       0.0);
    ( 393068.1, 3823692.7,    1035.5,    1587.1,       0.0);         ( 393046.0,
3823683.4,    1030.4,    1587.1,       0.0);
    ( 393023.9, 3823674.1,    1036.7,    1587.1,       0.0);         ( 393001.9,
3823664.8,    1038.4,    1587.1,       0.0);
    ( 392979.8, 3823655.6,    1035.1,    1587.1,       0.0);         ( 392957.8,
3823646.3,    1032.3,    1587.1,       0.0);
    ( 392935.7, 3823637.0,    1032.9,    1587.1,       0.0);         ( 392913.6,
3823627.7,    1036.4,    1587.1,       0.0);
    ( 392891.6, 3823618.5,    1039.9,    1587.1,       0.0);         ( 392869.5,
3823609.2,    1045.2,    1587.1,       0.0);
    ( 392847.5, 3823599.9,    1051.8,    1587.1,       0.0);         ( 392825.4,
3823590.6,    1057.7,    1587.1,       0.0);
    ( 392803.3, 3823581.4,    1065.2,    1587.1,       0.0);         ( 392781.3,
3823572.1,    1072.8,    1587.1,       0.0);
    ( 392759.2, 3823562.8,    1080.6,    1587.1,       0.0);         ( 392737.2,
3823553.5,    1086.7,    1587.1,       0.0);
    ( 392715.1, 3823544.3,    1086.4,    1587.1,       0.0);         ( 392693.0,
3823535.0,    1090.5,    1587.1,       0.0);
    ( 392671.0, 3823525.7,    1093.3,    1587.1,       0.0);         ( 392648.9,
3823516.4,    1094.4,    1587.1,       0.0);
    ( 392626.9, 3823507.1,    1097.7,    1587.1,       0.0);         ( 392604.8,
3823497.9,    1104.6,    1587.1,       0.0);
    ( 392582.7, 3823488.6,    1114.9,    1587.1,       0.0);         ( 392560.7,
3823479.3,    1125.5,    1587.1,       0.0);
    ( 392538.6, 3823470.0,    1129.2,    1587.1,       0.0);         ( 392516.6,
3823460.8,    1125.0,    1587.1,       0.0);
    ( 392494.5, 3823451.5,    1120.8,    1587.1,       0.0);         ( 392472.4,
3823442.2,    1121.7,    1587.1,       0.0);
    ( 392450.4, 3823432.9,    1123.0,    1587.1,       0.0);         ( 392428.3,
3823423.7,    1119.9,    1587.1,       0.0);
    ( 392406.3, 3823414.4,    1117.1,    1587.1,       0.0);         ( 392384.2,
3823405.1,    1125.0,    1587.1,       0.0);
    ( 392362.1, 3823395.8,    1134.9,    1587.1,       0.0);         ( 392340.1,
3823386.6,    1145.3,    1587.1,       0.0);
    ( 392318.0, 3823377.3,    1154.7,    1587.1,       0.0);         ( 392296.0,
3823368.0,    1159.9,    1587.1,       0.0);
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(392273.9, 3823358.7, 1158.5, 1587.1, 0.0); (392251.8,
3823349.4, 1151.8, 1587.1, 0.0);
(392229.8, 3823340.2, 1146.7, 1587.1, 0.0); (392207.7,
3823330.9, 1140.7, 1587.1, 0.0);
(392185.7, 3823321.6, 1133.8, 1587.1, 0.0); (392163.6,
3823312.3, 1126.5, 1587.1, 0.0);
(392141.5, 3823303.1, 1120.5, 1587.1, 0.0); (392119.5,
3823293.8, 1115.3, 1587.1, 0.0);
(392097.4, 3823284.5, 1104.3, 1587.9, 0.0); (392075.4,
3823275.2, 1092.0, 1587.9, 0.0);
(392053.3, 3823266.0, 1081.3, 1588.5, 0.0); (392031.2,
3823256.7, 1074.1, 1590.6, 0.0);
(392009.2, 3823247.4, 1070.6, 1590.6, 0.0); (391987.1,
3823238.1, 1070.8, 1590.6, 0.0);
(391965.1, 3823228.9, 1077.5, 1590.6, 0.0); (391943.0,
3823219.6, 1087.0, 1588.5, 0.0);
(391920.9, 3823210.3, 1096.0, 1588.5, 0.0); (391898.9,
3823201.0, 1105.5, 1588.5, 0.0);
(391876.8, 3823191.8, 1116.7, 1587.9, 0.0); (391854.8,
3823182.5, 1124.3, 1587.9, 0.0);
(391832.7, 3823173.2, 1126.1, 1587.9, 0.0); (391810.6,
3823163.9, 1126.2, 1587.9, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(391788.6, 3823154.6, 1130.4, 1587.9, 0.0); (391766.5,
3823145.4, 1139.7, 1587.8, 0.0);
(391744.5, 3823136.1, 1150.9, 1587.1, 0.0); (391722.4,
3823126.8, 1162.5, 1587.1, 0.0);
(391700.3, 3823117.5, 1174.3, 1587.1, 0.0); (391678.3,
3823108.3, 1183.6, 1587.1, 0.0);
(391656.2, 3823099.0, 1190.3, 1587.1, 0.0); (391634.2,
3823089.7, 1196.3, 1587.1, 0.0);
(391612.1, 3823080.4, 1201.3, 1587.1, 0.0); (391590.0,
3823071.2, 1206.4, 1587.1, 0.0);
(391568.0, 3823061.9, 1211.1, 1587.1, 0.0); (391545.9,
3823052.6, 1215.1, 1587.1, 0.0);
(391523.9, 3823043.3, 1211.4, 1587.1, 0.0); (391501.8,
3823034.0, 1203.1, 1587.1, 0.0);
(391479.7, 3823024.8, 1193.1, 1587.1, 0.0); (391457.7,
3823015.5, 1180.6, 1587.1, 0.0);

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    ( 391435.6, 3823006.2,    1166.5,    1587.9,       0.0);         ( 391413.6,
3822996.9,    1152.6,    1588.5,       0.0);
    ( 391391.5, 3822987.7,    1139.5,    1590.4,       0.0);         ( 391369.4,
3822978.4,    1129.7,    1590.6,       0.0);
    ( 391347.4, 3822969.1,    1130.3,    1590.6,       0.0);         ( 391325.3,
3822959.8,    1136.5,    1590.6,       0.0);
    ( 391303.3, 3822950.6,    1134.1,    1590.6,       0.0);         ( 391281.2,
3822941.3,    1125.0,    1591.3,       0.0);
    ( 391259.1, 3822932.0,    1116.9,    1591.3,       0.0);         ( 391237.1,
3822922.7,    1115.9,    1591.3,       0.0);
    ( 391215.0, 3822913.5,    1124.0,    1591.3,       0.0);         ( 391193.0,
3822904.2,    1136.7,    1591.3,       0.0);
    ( 391170.9, 3822894.9,    1151.3,    1590.6,       0.0);         ( 391148.8,
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    ( 391126.8, 3822876.3,    1177.9,    1588.5,       0.0);         ( 391104.7,
3822867.1,    1188.1,    1587.9,       0.0);
    ( 391082.7, 3822857.8,    1194.7,    1587.9,       0.0);         ( 391060.6,
3822848.5,    1199.9,    1587.9,       0.0);
    ( 391038.5, 3822839.2,    1206.2,    1587.9,       0.0);         ( 391016.5,
3822830.0,    1212.9,    1587.8,       0.0);
    ( 390994.4, 3822820.7,    1217.3,    1587.1,       0.0);         ( 390972.4,
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    ( 390950.3, 3822802.1,    1227.1,    1587.1,       0.0);         ( 390928.2,
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    ( 390906.2, 3822783.6,    1242.2,    1587.1,       0.0);         ( 390884.1,
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    ( 390862.1, 3822765.0,    1258.6,    1587.1,       0.0);         ( 390840.0,
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    ( 390817.9, 3822746.5,    1272.6,    1587.1,       0.0);         ( 390795.9,
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    ( 390773.8, 3822727.9,    1282.2,    1587.1,       0.0);         ( 390751.8,
3822718.6,    1283.1,    1587.1,       0.0);
    ( 390729.7, 3822709.4,    1279.0,    1587.1,       0.0);         ( 390707.6,
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    ( 390685.6, 3822690.8,    1268.7,    1587.1,       0.0);         ( 390663.5,
3822681.5,    1264.0,    1587.1,       0.0);
    ( 390641.5, 3822672.3,    1259.4,    1587.1,       0.0);         ( 390619.4,
3822663.0,    1264.7,    1587.1,       0.0);
    ( 390597.3, 3822653.7,    1272.2,    1587.1,       0.0);         ( 390575.3,
3822644.4,    1279.8,    1587.1,       0.0);
    ( 390553.2, 3822635.2,    1288.9,    1587.1,       0.0);         ( 390531.2,
3822625.9,    1302.9,    1587.1,       0.0);
    ( 390509.1, 3822616.6,    1316.2,    1587.1,       0.0);         ( 390487.0,
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    ( 390465.0, 3822598.1,    1323.6,    1587.1,       0.0);         ( 390442.9,
3822588.8,    1316.3,    1587.1,       0.0);
    ( 390420.9, 3822579.5,    1308.4,    1587.1,       0.0);         ( 390398.8,
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    ( 390376.7, 3822560.9,    1291.0,    1587.1,       0.0);         ( 390354.7,
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(390067.9, 3822431.1, 1282.0, 1587.9, 0.0); (390045.8,
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(390023.8, 3822412.5, 1297.6, 1587.9, 0.0); (390001.7,
3822403.2, 1309.7, 1587.1, 0.0);
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3822384.7, 1315.9, 1587.1, 0.0);
(389935.5, 3822375.4, 1311.3, 1587.8, 0.0); (389913.5,
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(389891.4, 3822356.9, 1320.8, 1587.1, 0.0); (389869.4,
3822347.6, 1330.2, 1587.1, 0.0);
(389847.3, 3822338.3, 1337.5, 1587.1, 0.0); (389825.2,
3822329.0, 1338.8, 1587.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(389803.2, 3822319.8, 1333.2, 1587.1, 0.0); (389781.1,
3822310.5, 1324.5, 1587.8, 0.0);
(389759.1, 3822301.2, 1318.4, 1587.9, 0.0); (389737.0,
3822291.9, 1320.8, 1587.9, 0.0);
(389714.9, 3822282.7, 1328.1, 1587.9, 0.0); (389692.9,
3822273.4, 1329.7, 1587.9, 0.0);
(389670.8, 3822264.1, 1328.3, 1587.9, 0.0); (389648.8,
3822254.8, 1333.7, 1587.9, 0.0);
(389626.7, 3822245.6, 1340.4, 1587.1, 0.0); (389604.6,
3822236.3, 1344.4, 1587.1, 0.0);
(389582.6, 3822227.0, 1347.7, 1587.1, 0.0); (389560.5,
3822217.7, 1353.0, 1587.1, 0.0);
(389538.5, 3822208.4, 1352.4, 1587.1, 0.0); (389516.4,
3822199.2, 1343.8, 1587.9, 0.0);

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     ( 389494.3, 3822189.9,    1334.3,    1587.9,       0.0);         ( 389472.3,
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     ( 389450.2, 3822171.3,    1319.0,    1588.5,       0.0);         ( 389428.2,
3822162.1,    1310.5,    1590.6,       0.0);
     ( 389406.1, 3822152.8,    1301.8,    1591.3,       0.0);         ( 389384.0,
3822143.5,    1288.9,    1591.3,       0.0);
     ( 389362.0, 3822134.2,    1276.9,    1591.3,       0.0);         ( 389339.9,
3822125.0,    1265.8,    1591.3,       0.0);
     ( 389317.9, 3822115.7,    1256.3,    1591.3,       0.0);         ( 389295.8,
3822106.4,    1248.5,    1591.3,       0.0);
     ( 389273.7, 3822097.1,    1246.0,    1591.3,       0.0);         ( 389251.7,
3822087.9,    1251.1,    1591.3,       0.0);
     ( 389229.6, 3822078.6,    1254.5,    1591.3,       0.0);         ( 389207.6,
3822069.3,    1256.4,    1591.3,       0.0);
     ( 389185.5, 3822060.0,    1256.8,    1591.3,       0.0);         ( 389163.4,
3822050.8,    1255.7,    1591.3,       0.0);
     ( 389141.4, 3822041.5,    1253.2,    1591.3,       0.0);         ( 389119.3,
3822032.2,    1248.1,    1591.3,       0.0);
     ( 389087.9, 3822000.9,    1234.7,    1591.3,       0.0);         ( 389078.5,
3821978.9,    1227.2,    1591.3,       0.0);
     ( 389069.0, 3821956.9,    1220.3,    1591.3,       0.0);         ( 389059.6,
3821934.9,    1212.5,    1591.3,       0.0);
     ( 389050.2, 3821912.9,    1205.4,    1591.3,       0.0);         ( 389040.8,
3821890.9,    1202.9,    1591.3,       0.0);
     ( 389031.4, 3821868.9,    1203.7,    1591.3,       0.0);         ( 389022.0,
3821846.9,    1204.6,    1591.3,       0.0);
     ( 389012.6, 3821824.9,    1201.7,    1591.3,       0.0);         ( 389003.2,
3821802.9,    1198.1,    1591.3,       0.0);
     ( 388993.8, 3821780.9,    1196.3,    1591.3,       0.0);         ( 388984.4,
3821758.9,    1197.2,    1591.3,       0.0);
     ( 388975.0, 3821736.9,    1200.0,    1591.3,       0.0);         ( 388965.6,
3821714.9,    1200.3,    1591.3,       0.0);
     ( 388956.1, 3821692.8,    1199.9,    1591.3,       0.0);         ( 388946.8,
3821670.8,    1196.0,    1591.3,       0.0);
     ( 388937.3, 3821648.8,    1188.1,    1591.3,       0.0);         ( 388927.9,
3821626.8,    1179.9,    1591.3,       0.0);
     ( 388918.5, 3821604.8,    1174.1,    1591.3,       0.0);         ( 388909.1,
3821582.8,    1171.7,    1591.3,       0.0);
     ( 388899.7, 3821560.8,    1168.4,    1591.3,       0.0);         ( 388890.3,
3821538.8,    1163.4,    1591.3,       0.0);
     ( 388880.9, 3821516.8,    1157.2,    1591.3,       0.0);         ( 388871.5,
3821494.8,    1150.9,    1591.3,       0.0);
     ( 388862.1, 3821472.8,    1144.1,    1591.3,       0.0);         ( 388852.7,
3821450.8,    1140.3,    1591.3,       0.0);
     ( 388843.3, 3821428.8,    1138.4,    1591.3,       0.0);         ( 388833.9,
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     ( 388824.5, 3821384.8,    1138.5,    1591.3,       0.0);         ( 388815.0,
3821362.8,    1132.6,    1591.3,       0.0);
     ( 388805.6, 3821340.8,    1128.0,    1591.3,       0.0);         ( 388796.2,
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     ( 388786.8, 3821296.8,    1111.4,    1591.3,       0.0);         ( 388777.4,
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     ( 388768.0, 3821252.8,    1106.3,    1591.3,       0.0);         ( 388758.6,
3821230.8,    1103.4,    1591.3,       0.0);
     ( 388749.2, 3821208.8,    1102.3,    1591.3,       0.0);         ( 388739.8,
3821186.8,    1105.2,    1591.3,       0.0);
     ( 388730.4, 3821164.8,    1109.5,    1591.3,       0.0);         ( 388721.0,
3821142.7,    1112.5,    1591.3,       0.0);
     ( 388711.6, 3821120.7,    1115.0,    1591.3,       0.0);         ( 388702.1,
3821098.7,    1117.5,    1591.3,       0.0);
     ( 388692.8, 3821076.7,    1115.3,    1591.3,       0.0);         ( 388683.3,
3821054.7,    1108.5,    1591.3,       0.0);
     ( 388673.9, 3821032.7,    1103.6,    1591.3,       0.0);         ( 388664.5,
3821010.7,    1096.8,    1591.3,       0.0);
     ( 388655.1, 3820988.7,    1090.7,    1591.3,       0.0);         ( 388645.7,
3820966.7,    1086.7,    1591.3,       0.0);
     ( 388636.3, 3820944.7,    1082.8,    1591.3,       0.0);         ( 388626.9,
3820922.7,    1078.6,    1591.3,       0.0);
     ( 388617.5, 3820900.7,    1076.0,    1591.3,       0.0);         ( 388608.1,
3820878.7,    1073.1,    1591.3,       0.0);
     ( 388598.7, 3820856.7,    1070.6,    1591.3,       0.0);         ( 388589.3,
3820834.7,    1068.5,    1591.3,       0.0);
     ( 388579.9, 3820812.7,    1066.2,    1591.3,       0.0);         ( 388570.5,
3820790.7,    1064.3,    1591.3,       0.0);
     ( 388561.0, 3820768.7,    1063.1,    1591.3,       0.0);         ( 388551.6,
3820746.7,    1061.1,    1591.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                        ***        09:14:47

                                    PAGE  36
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

     ( 388542.2, 3820724.7,    1061.4,    1591.3,       0.0);         ( 388532.8,
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     ( 388523.4, 3820680.6,    1061.9,    1591.3,       0.0);         ( 388514.0,
3820658.6,    1060.0,    1591.3,       0.0);
     ( 388504.6, 3820636.6,    1060.4,    1591.3,       0.0);         ( 388495.2,
3820614.6,    1062.0,    1591.3,       0.0);
     ( 388485.8, 3820592.6,    1064.0,    1591.3,       0.0);         ( 388476.4,
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     ( 388467.0, 3820548.6,    1059.9,    1591.3,       0.0);         ( 388457.6,
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     ( 388448.1, 3820504.6,    1053.3,    1591.3,       0.0);         ( 388438.8,
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     ( 388410.5, 3820416.6,    1054.7,    1591.3,       0.0);         ( 388401.1,
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     ( 388391.7, 3820372.6,    1051.1,    1591.3,       0.0);         ( 388382.3,
3820350.6,    1042.8,    1591.3,       0.0);
     ( 388372.9, 3820328.6,    1039.6,    1591.3,       0.0);         ( 388363.5,
3820306.6,    1035.8,    1591.3,       0.0);
     ( 388354.1, 3820284.6,    1032.3,    1591.3,       0.0);         ( 388344.7,
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     ( 388335.3, 3820240.6,    1038.9,    1591.3,       0.0);         ( 388325.9,
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     ( 388316.5, 3820196.5,    1045.0,    1591.3,       0.0);         ( 388307.0,
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     ( 388297.6, 3820152.5,    1052.1,    1591.3,       0.0);         ( 388288.2,
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     ( 388278.8, 3820108.5,    1052.6,    1591.3,       0.0);         ( 388269.4,
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     ( 388260.0, 3820064.5,    1050.2,    1591.3,       0.0);         ( 388250.6,
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     ( 388241.2, 3820020.5,    1047.8,    1591.3,       0.0);         ( 388231.8,
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     ( 388222.4, 3819976.5,    1040.9,    1591.3,       0.0);         ( 388213.0,
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     ( 388203.6, 3819932.5,    1034.5,    1591.3,       0.0);         ( 388194.1,
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     ( 388184.8, 3819888.5,    1030.7,    1591.3,       0.0);         ( 388175.3,
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     ( 388165.9, 3819844.5,    1030.3,    1591.3,       0.0);         ( 388156.5,
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     ( 388128.3, 3819756.5,    1041.4,    1591.3,       0.0);         ( 388118.9,
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     ( 388109.5, 3819712.4,    1035.1,    1591.3,       0.0);         ( 388100.1,
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     ( 388090.7, 3819668.4,    1024.2,    1591.3,       0.0);         ( 388081.3,
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     ( 388071.9, 3819624.4,    1020.8,    1591.3,       0.0);         ( 388062.5,
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3819558.4,    1013.4,    1591.3,       0.0);
     ( 388034.2, 3819536.4,    1010.0,    1591.3,       0.0);         ( 388024.8,
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     ( 387977.8, 3819404.4,    1005.3,    1591.3,       0.0);         ( 387968.4,
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(387921.3, 3819272.4, 1013.0, 1591.3, 0.0); (387911.9,
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(387733.2, 3818832.3, 1018.7, 1591.3, 0.0); (387723.8,
3818810.3, 1016.1, 1591.3, 0.0);
(387714.4, 3818788.3, 1008.0, 1591.3, 0.0); (387705.0,
3818766.3, 998.8, 1591.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(387695.6, 3818744.3, 990.8, 1591.3, 0.0); (387686.1,
3818722.2, 984.1, 1591.3, 0.0);
(387676.8, 3818700.2, 978.9, 1591.3, 0.0); (387667.3,
3818678.2, 974.6, 1591.3, 0.0);
(387657.9, 3818656.2, 970.5, 1591.3, 0.0); (387648.5,
3818634.2, 966.9, 1591.3, 0.0);
(387639.1, 3818612.2, 963.3, 1591.3, 0.0); (387629.7,
3818590.2, 959.9, 1591.3, 0.0);
(387620.3, 3818568.2, 956.6, 1591.3, 0.0); (387610.9,
3818546.2, 953.7, 1591.3, 0.0);

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     ( 387601.5, 3818524.2,     951.1,    1591.3,       0.0);         ( 387592.1,
3818502.2,     948.6,    1591.3,       0.0);
     ( 387582.7, 3818480.2,     946.4,    1591.3,       0.0);         ( 387573.3,
3818458.2,     944.1,    1591.3,       0.0);
     ( 387563.9, 3818436.2,     941.8,    1591.3,       0.0);         ( 387554.5,
3818414.2,     939.6,    1591.3,       0.0);
     ( 387545.0, 3818392.2,     937.5,    1591.3,       0.0);         ( 387535.6,
3818370.2,     935.2,    1591.3,       0.0);
     ( 387526.2, 3818348.2,     933.5,    1591.3,       0.0);         ( 387516.8,
3818326.2,     931.0,    1591.3,       0.0);
     ( 387507.4, 3818304.2,     928.3,    1591.3,       0.0);         ( 387498.0,
3818282.2,     927.0,    1591.3,       0.0);
     ( 387488.6, 3818260.2,     926.2,    1591.3,       0.0);         ( 387479.2,
3818238.1,     925.6,    1591.3,       0.0);
     ( 387469.8, 3818216.1,     925.7,    1591.3,       0.0);         ( 387460.4,
3818194.1,     926.0,    1591.3,       0.0);
     ( 387451.0, 3818172.1,     926.4,    1591.3,       0.0);         ( 387441.6,
3818150.1,     925.7,    1591.3,       0.0);
     ( 387432.1, 3818128.1,     921.6,    1591.3,       0.0);         ( 387422.8,
3818106.1,     916.0,    1591.3,       0.0);
     ( 387413.3, 3818084.1,     915.3,    1591.3,       0.0);         ( 387403.9,
3818062.1,     914.8,    1591.3,       0.0);
     ( 387394.5, 3818040.1,     915.9,    1591.3,       0.0);         ( 387385.1,
3818018.1,     917.9,    1591.3,       0.0);
     ( 387375.7, 3817996.1,     923.4,    1591.3,       0.0);         ( 387366.3,
3817974.1,     927.0,    1591.3,       0.0);
     ( 387356.9, 3817952.1,     929.4,    1591.3,       0.0);         ( 387347.5,
3817930.1,     933.1,    1591.3,       0.0);
     ( 387338.1, 3817908.1,     938.0,    1591.3,       0.0);         ( 387328.7,
3817886.1,     941.7,    1591.3,       0.0);
     ( 387319.3, 3817864.1,     944.2,    1591.3,       0.0);         ( 387309.9,
3817842.1,     945.8,    1591.3,       0.0);
     ( 387300.5, 3817820.1,     946.4,    1591.3,       0.0);         ( 387291.0,
3817798.1,     946.9,    1591.3,       0.0);
     ( 387281.6, 3817776.1,     949.5,    1591.3,       0.0);         ( 387272.2,
3817754.1,     950.1,    1591.3,       0.0);
     ( 387262.8, 3817732.0,     950.6,    1591.3,       0.0);         ( 387253.4,
3817710.0,     950.2,    1591.3,       0.0);
     ( 387244.0, 3817688.0,     950.2,    1591.3,       0.0);         ( 387234.6,
3817666.0,     949.8,    1591.3,       0.0);
     ( 387225.2, 3817644.0,     949.7,    1591.3,       0.0);         ( 387215.8,
3817622.0,     949.7,    1591.3,       0.0);
     ( 387206.4, 3817600.0,     950.6,    1591.3,       0.0);         ( 387197.0,
3817578.0,     951.5,    1591.3,       0.0);
     ( 387187.6, 3817556.0,     952.9,    1591.3,       0.0);         ( 387178.1,
3817534.0,     954.0,    1591.3,       0.0);
     ( 387168.8, 3817512.0,     950.3,    1591.3,       0.0);         ( 387159.3,
3817490.0,     946.8,    1591.3,       0.0);
     ( 387149.9, 3817468.0,     947.3,    1591.3,       0.0);         ( 387140.5,
3817446.0,     949.5,    1591.3,       0.0);
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(387131.1, 3817424.0, 953.0, 1591.3, 0.0); (387121.7, 3817402.0, 956.8, 1591.3, 0.0);
(387112.3, 3817380.0, 961.7, 1591.3, 0.0); (387102.9, 3817358.0, 965.9, 1591.3, 0.0);
(387093.5, 3817336.0, 968.8, 1591.3, 0.0); (387084.1, 3817314.0, 973.2, 1591.3, 0.0);
(387074.7, 3817292.0, 979.2, 1591.3, 0.0); (387065.3, 3817270.0, 987.2, 1591.3, 0.0);
(387055.9, 3817247.9, 994.7, 1591.3, 0.0); (387046.5, 3817225.9, 1000.5, 1591.3, 0.0);
(387037.0, 3817203.9, 997.0, 1591.3, 0.0); (387027.6, 3817181.9, 990.4, 1591.3, 0.0);
(387018.2, 3817159.9, 982.4, 1591.3, 0.0); (387008.8, 3817137.9, 976.6, 1591.3, 0.0);
(386999.4, 3817115.9, 972.5, 1591.3, 0.0); (386990.0, 3817093.9, 970.6, 1591.3, 0.0);
(386980.6, 3817071.9, 975.4, 1591.3, 0.0); (386971.2, 3817049.9, 983.0, 1591.3, 0.0);
(386961.8, 3817027.9, 986.0, 1150.0, 0.0); (386952.4, 3817005.9, 982.1, 1150.0, 0.0);
(386943.0, 3816983.9, 972.8, 1591.3, 0.0); (386933.6, 3816961.9, 965.6, 1591.3, 0.0);
(386924.1, 3816939.9, 958.3, 1591.3, 0.0); (386914.8, 3816917.9, 953.0, 1591.3, 0.0);
(386905.3, 3816895.9, 950.3, 1591.3, 0.0); (386895.9, 3816873.9, 949.1, 1591.3, 0.0);
(386886.5, 3816851.9, 946.6, 1591.3, 0.0); (386877.1, 3816829.9, 945.0, 1591.3, 0.0);
(386867.7, 3816807.9, 947.8, 1591.3, 0.0); (386858.3, 3816785.9, 952.9, 1591.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(386848.9, 3816763.8, 959.3, 1150.0, 0.0); (386839.5, 3816741.8, 967.4, 1150.0, 0.0);
(386830.1, 3816719.8, 975.4, 1150.0, 0.0); (386820.7, 3816697.8, 982.7, 1150.0, 0.0);
(386811.3, 3816675.8, 981.8, 1150.0, 0.0); (386801.9, 3816653.8, 975.8, 1150.0, 0.0);
(386792.5, 3816631.8, 969.5, 1150.0, 0.0); (394524.0, 3824304.9, 916.7, 1587.1, 0.0);

```
    ( 394548.0, 3824305.2,     915.5,    1587.1,       0.0);         ( 394571.9,
3824305.6,     914.4,    1587.1,       0.0);
    ( 394595.8, 3824305.9,     913.7,    1587.1,       0.0);         ( 394619.8,
3824306.2,     912.6,    1587.1,       0.0);
    ( 394643.7, 3824306.6,     911.5,    1587.1,       0.0);         ( 394667.6,
3824306.9,     910.5,    1587.1,       0.0);
    ( 394691.5, 3824307.2,     909.4,    1587.1,       0.0);         ( 394715.5,
3824307.5,     908.4,    1587.1,       0.0);
    ( 394739.4, 3824307.9,     908.2,    1587.1,       0.0);         ( 394763.3,
3824308.2,     907.4,    1587.1,       0.0);
    ( 394787.3, 3824308.5,     906.2,    1587.1,       0.0);         ( 394811.2,
3824308.9,     905.2,    1587.1,       0.0);
    ( 394835.1, 3824309.2,     904.2,    1587.1,       0.0);         ( 394859.1,
3824309.5,     903.2,    1587.1,       0.0);
    ( 394883.0, 3824309.8,     902.4,    1587.1,       0.0);         ( 394906.9,
3824310.2,     901.4,    1587.1,       0.0);
    ( 394930.8, 3824310.5,     900.5,    1587.1,       0.0);         ( 394954.8,
3824310.8,     899.7,    1587.1,       0.0);
    ( 394483.7, 3825628.9,     871.0,    1587.1,       0.0);         ( 394461.7,
3825619.6,     870.4,    1587.1,       0.0);
    ( 394439.6, 3825610.3,     867.7,    1587.1,       0.0);         ( 394417.6,
3825601.0,     871.4,    1587.1,       0.0);
    ( 394395.5, 3825591.8,     875.1,    1587.1,       0.0);         ( 394373.5,
3825582.5,     875.5,    1587.1,       0.0);
    ( 394351.5, 3825573.2,     876.0,    1587.1,       0.0);         ( 394329.4,
3825564.0,     876.4,    1587.1,       0.0);
    ( 394307.4, 3825554.7,     876.6,    1587.1,       0.0);         ( 394285.3,
3825545.4,     876.9,    1587.1,       0.0);
    ( 394263.3, 3825536.2,     877.8,    1587.1,       0.0);         ( 394241.2,
3825526.9,     881.8,    1587.1,       0.0);
    ( 394219.2, 3825517.6,     886.4,    1587.1,       0.0);         ( 394197.1,
3825508.4,     885.5,    1587.1,       0.0);
    ( 394175.1, 3825499.1,     884.8,    1587.1,       0.0);         ( 394153.1,
3825489.8,     884.5,    1587.1,       0.0);
    ( 394131.0, 3825480.5,     884.1,    1587.1,       0.0);         ( 394109.0,
3825471.3,     885.6,    1587.1,       0.0);
    ( 394086.9, 3825462.0,     886.6,    1587.1,       0.0);         ( 394064.9,
3825452.7,     889.6,    1587.1,       0.0);
    ( 394042.8, 3825443.5,     890.6,    1587.1,       0.0);         ( 394020.8,
3825434.2,     890.6,    1587.1,       0.0);
    ( 393998.8, 3825424.9,     890.7,    1587.1,       0.0);         ( 393976.7,
3825415.7,     892.1,    1587.1,       0.0);
    ( 393954.7, 3825406.4,     893.3,    1587.1,       0.0);         ( 393932.6,
3825397.1,     893.7,    1587.1,       0.0);
    ( 393910.6, 3825387.9,     893.9,    1587.1,       0.0);         ( 393888.5,
3825378.6,     894.0,    1587.1,       0.0);
    ( 393866.5, 3825369.3,     894.1,    1587.8,       0.0);         ( 393844.5,
3825360.0,     894.6,    1587.9,       0.0);
    ( 393822.4, 3825350.8,     894.7,    1587.9,       0.0);         ( 393800.4,
3825341.5,     895.1,    1587.9,       0.0);
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     ( 393778.3, 3825332.2,     896.1,    1587.9,       0.0);         ( 393756.3,
3825323.0,     896.4,    1587.9,       0.0);
     ( 393734.2, 3825313.7,     893.8,    1587.9,       0.0);         ( 393712.2,
3825304.4,     892.8,    1587.9,       0.0);
     ( 393690.1, 3825295.2,     893.9,    1588.5,       0.0);         ( 393668.1,
3825285.9,     892.9,    1588.5,       0.0);
     ( 393646.1, 3825276.6,     891.3,    1588.5,       0.0);         ( 393624.0,
3825267.3,     894.1,    1588.5,       0.0);
     ( 393602.0, 3825258.1,     897.1,    1588.5,       0.0);         ( 393579.9,
3825248.8,     899.9,    1588.5,       0.0);
     ( 393557.9, 3825239.5,     899.9,    1588.5,       0.0);         ( 393535.8,
3825230.3,     899.4,    1588.5,       0.0);
     ( 393513.8, 3825221.0,     899.0,    1588.5,       0.0);         ( 393491.8,
3825211.7,     898.9,    1588.9,       0.0);
     ( 393469.7, 3825202.5,     898.7,    1590.6,       0.0);         ( 393447.7,
3825193.2,     898.2,    1590.6,       0.0);
     ( 393425.6, 3825183.9,     902.2,    1590.6,       0.0);         ( 393403.6,
3825174.7,     904.0,    1590.6,       0.0);
     ( 393381.5, 3825165.4,     905.0,    1590.6,       0.0);         ( 393359.5,
3825156.1,     905.5,    1590.6,       0.0);
     ( 393337.5, 3825146.8,     905.6,    1590.6,       0.0);         ( 393315.4,
3825137.6,     905.4,    1590.6,       0.0);
     ( 393293.4, 3825128.3,     904.8,    1590.6,       0.0);         ( 393271.3,
3825119.0,     905.3,    1590.6,       0.0);
     ( 393249.3, 3825109.8,     905.6,    1590.6,       0.0);         ( 393227.2,
3825100.5,     905.9,    1591.3,       0.0);
     ( 393205.2, 3825091.2,     906.7,    1591.3,       0.0);         ( 393183.2,
3825082.0,     907.8,    1591.3,       0.0);
     ( 393161.1, 3825072.7,     909.0,    1591.3,       0.0);         ( 393139.1,
3825063.4,     910.6,    1591.3,       0.0);
     ( 393117.0, 3825054.2,     915.0,    1591.3,       0.0);         ( 393095.0,
3825044.9,     915.9,    1591.3,       0.0);
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                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                             (METERS)

     ( 393072.9, 3825035.6,     916.4,    1591.3,       0.0);         ( 393050.9,
3825026.3,     917.4,    1591.3,       0.0);
     ( 393028.8, 3825017.1,     919.4,    1591.3,       0.0);         ( 393006.8,
3825007.8,     923.0,    1591.3,       0.0);
     ( 392984.8, 3824998.5,     925.9,    1591.3,       0.0);         ( 392962.7,
3824989.3,     926.1,    1591.3,       0.0);
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     ( 392940.7, 3824980.0,     926.2,    1591.3,       0.0);         ( 392918.6,
3824970.7,     926.4,    1591.3,       0.0);
     ( 392896.6, 3824961.5,     928.2,    1591.3,       0.0);         ( 392874.5,
3824952.2,     933.5,    1591.3,       0.0);
     ( 392852.5, 3824942.9,     935.1,    1591.3,       0.0);         ( 392830.5,
3824933.6,     937.9,    1591.3,       0.0);
     ( 392808.4, 3824924.4,     944.9,    1591.3,       0.0);         ( 392786.4,
3824915.1,     949.2,    1591.3,       0.0);
     ( 392764.3, 3824905.8,     947.3,    1591.3,       0.0);         ( 392742.3,
3824896.6,     946.9,    1591.3,       0.0);
     ( 392720.2, 3824887.3,     948.4,    1591.3,       0.0);         ( 392698.2,
3824878.0,     948.2,    1591.3,       0.0);
     ( 392676.2, 3824868.8,     948.0,    1591.3,       0.0);         ( 392654.1,
3824859.5,     949.3,    1591.3,       0.0);
     ( 392632.1, 3824850.2,     949.8,    1591.3,       0.0);         ( 392610.0,
3824841.0,     949.1,    1591.3,       0.0);
     ( 392588.0, 3824831.7,     948.4,    1591.3,       0.0);         ( 392565.9,
3824822.4,     948.2,    1591.3,       0.0);
     ( 392543.9, 3824813.1,     948.6,    1591.3,       0.0);         ( 392521.8,
3824803.9,     949.6,    1591.3,       0.0);
     ( 392499.8, 3824794.6,     949.6,    1591.3,       0.0);         ( 392477.8,
3824785.3,     949.2,    1591.3,       0.0);
     ( 392455.7, 3824776.1,     949.2,    1591.3,       0.0);         ( 392433.7,
3824766.8,     951.3,    1591.3,       0.0);
     ( 392411.6, 3824757.5,     953.8,    1591.3,       0.0);         ( 392389.6,
3824748.3,     954.3,    1591.3,       0.0);
     ( 392367.5, 3824739.0,     955.4,    1591.3,       0.0);         ( 392345.5,
3824729.7,     956.7,    1591.3,       0.0);
     ( 392323.5, 3824720.5,     958.0,    1591.3,       0.0);         ( 392301.4,
3824711.2,     957.9,    1591.3,       0.0);
     ( 392279.4, 3824701.9,     958.3,    1591.3,       0.0);         ( 392257.3,
3824692.6,     959.3,    1591.3,       0.0);
     ( 392235.3, 3824683.4,     961.9,    1591.3,       0.0);         ( 392213.2,
3824674.1,     967.3,    1591.3,       0.0);
     ( 392191.2, 3824664.8,     974.4,    1591.3,       0.0);         ( 392169.2,
3824655.6,     983.4,    1591.3,       0.0);
     ( 392147.1, 3824646.3,     994.2,    1591.3,       0.0);         ( 392125.1,
3824637.0,    1001.6,    1591.3,       0.0);
     ( 392103.0, 3824627.8,    1004.5,    1591.3,       0.0);         ( 392081.0,
3824618.5,    1007.0,    1591.3,       0.0);
     ( 392058.9, 3824609.2,    1007.0,    1591.3,       0.0);         ( 392036.9,
3824599.9,    1005.9,    1591.3,       0.0);
     ( 392014.9, 3824590.7,    1001.1,    1591.3,       0.0);         ( 391992.8,
3824581.4,     996.2,    1591.3,       0.0);
     ( 391970.8, 3824572.1,     992.4,    1591.3,       0.0);         ( 391948.7,
3824562.9,     990.8,    1591.3,       0.0);
     ( 391926.7, 3824553.6,     991.3,    1591.3,       0.0);         ( 391904.6,
3824544.3,     990.9,    1591.3,       0.0);
     ( 391882.6, 3824535.1,     996.8,    1591.3,       0.0);         ( 391860.5,
3824525.8,    1000.3,    1591.3,       0.0);
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(391838.5, 3824516.5, 998.5, 1591.3, 0.0); (391816.5, 3824507.3, 994.4, 1591.3, 0.0);
(391794.4, 3824498.0, 991.4, 1591.3, 0.0); (391772.4, 3824488.7, 988.3, 1591.3, 0.0);
(391750.3, 3824479.4, 984.0, 1591.3, 0.0); (391728.3, 3824470.2, 981.5, 1591.3, 0.0);
(391706.2, 3824460.9, 979.9, 1591.3, 0.0); (391684.2, 3824451.6, 979.0, 1591.3, 0.0);
(391662.2, 3824442.4, 979.3, 1591.3, 0.0); (391640.1, 3824433.1, 980.3, 1591.3, 0.0);
(391618.1, 3824423.8, 982.2, 1591.3, 0.0); (391596.0, 3824414.6, 984.7, 1591.3, 0.0);
(391574.0, 3824405.3, 988.0, 1591.3, 0.0); (391551.9, 3824396.0, 992.3, 1591.3, 0.0);
(391529.9, 3824386.8, 994.4, 1591.3, 0.0); (391507.9, 3824377.5, 995.1, 1591.3, 0.0);
(391485.8, 3824368.2, 996.0, 1591.3, 0.0); (391463.8, 3824358.9, 998.1, 1591.3, 0.0);
(391441.7, 3824349.7, 1000.5, 1591.3, 0.0); (391419.7, 3824340.4, 1002.6, 1591.3, 0.0);
(391397.6, 3824331.1, 1005.2, 1591.3, 0.0); (391375.6, 3824321.9, 1009.6, 1591.3, 0.0);
(391353.5, 3824312.6, 1012.1, 1591.3, 0.0); (391331.5, 3824303.3, 1016.2, 1591.3, 0.0);
(391309.5, 3824294.1, 1018.4, 1591.3, 0.0); (391287.4, 3824284.8, 1019.2, 1591.3, 0.0);
(391265.4, 3824275.5, 1021.5, 1591.3, 0.0); (391243.3, 3824266.2, 1023.0, 1591.3, 0.0);
(391221.3, 3824257.0, 1024.0, 1591.3, 0.0); (391199.2, 3824247.7, 1029.4, 1591.3, 0.0);
(391177.2, 3824238.4, 1032.5, 1591.3, 0.0); (391155.2, 3824229.2, 1033.2, 1591.3, 0.0);
(391133.1, 3824219.9, 1041.1, 1591.3, 0.0); (391111.1, 3824210.6, 1055.8, 1591.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(391089.0, 3824201.4, 1069.9, 1591.3, 0.0); (391067.0, 3824192.1, 1082.4, 1591.3, 0.0);
(391045.0, 3824182.8, 1094.1, 1591.3, 0.0); (391022.9, 3824173.6, 1103.5, 1591.3, 0.0);

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    ( 391000.9, 3824164.3,    1113.0,    1591.3,       0.0);         ( 390978.8,
3824155.0,    1123.0,    1591.3,       0.0);
    ( 390956.8, 3824145.8,    1129.4,    1591.3,       0.0);         ( 390934.7,
3824136.5,    1129.4,    1591.3,       0.0);
    ( 390912.7, 3824127.2,    1123.9,    1591.3,       0.0);         ( 390890.6,
3824117.9,    1121.6,    1591.3,       0.0);
    ( 390868.6, 3824108.7,    1122.4,    1591.3,       0.0);         ( 390846.6,
3824099.4,    1132.4,    1591.3,       0.0);
    ( 390824.5, 3824090.1,    1142.3,    1591.3,       0.0);         ( 390802.5,
3824080.9,    1151.4,    1591.3,       0.0);
    ( 390780.4, 3824071.6,    1158.4,    1591.3,       0.0);         ( 390758.4,
3824062.3,    1164.8,    1591.3,       0.0);
    ( 390736.3, 3824053.0,    1167.1,    1591.3,       0.0);         ( 390714.3,
3824043.8,    1170.3,    1591.3,       0.0);
    ( 390692.2, 3824034.5,    1178.2,    1591.3,       0.0);         ( 390670.2,
3824025.2,    1186.0,    1590.6,       0.0);
    ( 390648.2, 3824016.0,    1186.9,    1590.6,       0.0);         ( 390626.1,
3824006.7,    1178.2,    1591.3,       0.0);
    ( 390604.1, 3823997.4,    1173.3,    1591.3,       0.0);         ( 390582.0,
3823988.2,    1175.3,    1591.3,       0.0);
    ( 390560.0, 3823978.9,    1186.8,    1591.3,       0.0);         ( 390538.0,
3823969.6,    1198.2,    1590.6,       0.0);
    ( 390515.9, 3823960.4,    1209.9,    1590.6,       0.0);         ( 390493.9,
3823951.1,    1222.6,    1588.5,       0.0);
    ( 390471.8, 3823941.8,    1235.6,    1588.5,       0.0);         ( 390449.8,
3823932.5,    1248.9,    1587.9,       0.0);
    ( 390427.7, 3823923.3,    1262.8,    1587.9,       0.0);         ( 390405.7,
3823914.0,    1274.1,    1587.1,       0.0);
    ( 390383.6, 3823904.7,    1278.9,    1587.1,       0.0);         ( 390361.6,
3823895.5,    1275.7,    1587.1,       0.0);
    ( 390339.6, 3823886.2,    1267.8,    1587.9,       0.0);         ( 390317.5,
3823876.9,    1260.1,    1587.9,       0.0);
    ( 390295.5, 3823867.7,    1255.6,    1588.5,       0.0);         ( 390273.4,
3823858.4,    1271.4,    1587.9,       0.0);
    ( 390251.4, 3823849.1,    1286.1,    1587.1,       0.0);         ( 390229.3,
3823839.9,    1299.7,    1587.1,       0.0);
    ( 390207.3, 3823830.6,    1310.6,    1587.1,       0.0);         ( 390185.2,
3823821.3,    1317.9,    1587.1,       0.0);
    ( 390163.2, 3823812.0,    1320.0,    1587.1,       0.0);         ( 390141.2,
3823802.8,    1317.2,    1587.1,       0.0);
    ( 390119.1, 3823793.5,    1310.3,    1587.1,       0.0);         ( 390097.1,
3823784.2,    1305.2,    1587.1,       0.0);
    ( 390075.0, 3823775.0,    1303.7,    1587.8,       0.0);         ( 390053.0,
3823765.7,    1310.8,    1587.1,       0.0);
    ( 390031.0, 3823756.4,    1320.9,    1587.1,       0.0);         ( 390008.9,
3823747.2,    1332.6,    1587.1,       0.0);
    ( 389986.9, 3823737.9,    1344.2,    1587.1,       0.0);         ( 389964.8,
3823728.6,    1356.0,    1587.1,       0.0);
    ( 389942.8, 3823719.3,    1366.7,    1587.1,       0.0);         ( 389920.7,
3823710.1,    1373.7,    1587.1,       0.0);
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     ( 389898.7, 3823700.8,    1379.3,    1587.1,       0.0);         ( 389876.6,
3823691.5,    1384.1,    1587.1,       0.0);
     ( 389854.6, 3823682.3,    1388.6,    1587.1,       0.0);         ( 389832.6,
3823673.0,    1393.5,    1587.1,       0.0);
     ( 389810.5, 3823663.7,    1396.5,    1587.1,       0.0);         ( 389788.5,
3823654.5,    1397.0,    1587.1,       0.0);
     ( 389766.4, 3823645.2,    1395.7,    1587.1,       0.0);         ( 389744.4,
3823635.9,    1393.8,    1587.1,       0.0);
     ( 389722.3, 3823626.7,    1388.5,    1587.1,       0.0);         ( 389700.3,
3823617.4,    1381.3,    1587.1,       0.0);
     ( 389678.3, 3823608.1,    1376.2,    1587.1,       0.0);         ( 389656.2,
3823598.8,    1372.6,    1587.1,       0.0);
     ( 389634.2, 3823589.6,    1369.2,    1587.1,       0.0);         ( 389612.1,
3823580.3,    1373.8,    1587.1,       0.0);
     ( 389590.1, 3823571.0,    1384.5,    1587.1,       0.0);         ( 389568.0,
3823561.8,    1395.4,    1587.1,       0.0);
     ( 389546.0, 3823552.5,    1404.7,    1587.1,       0.0);         ( 389524.0,
3823543.2,    1409.5,    1587.1,       0.0);
     ( 389501.9, 3823534.0,    1406.3,    1587.1,       0.0);         ( 389479.9,
3823524.7,    1400.4,    1587.1,       0.0);
     ( 389457.8, 3823515.4,    1394.9,    1587.1,       0.0);         ( 389435.8,
3823506.2,    1393.7,    1587.1,       0.0);
     ( 389413.7, 3823496.9,    1400.6,    1587.1,       0.0);         ( 389391.7,
3823487.6,    1413.4,    1587.1,       0.0);
     ( 389369.6, 3823478.3,    1425.0,    1587.1,       0.0);         ( 389347.6,
3823469.1,    1434.9,    1587.1,       0.0);
     ( 389325.6, 3823459.8,    1432.9,    1587.1,       0.0);         ( 389303.5,
3823450.5,    1425.0,    1587.1,       0.0);
     ( 389281.5, 3823441.3,    1417.6,    1587.1,       0.0);         ( 389259.4,
3823432.0,    1419.1,    1587.1,       0.0);
     ( 389237.4, 3823422.7,    1427.1,    1587.1,       0.0);         ( 389215.3,
3823413.5,    1437.2,    1587.1,       0.0);
     ( 389193.3, 3823404.2,    1444.5,    1587.1,       0.0);         ( 389171.3,
3823394.9,    1448.0,    1587.1,       0.0);
     ( 389149.2, 3823385.6,    1450.1,    1587.1,       0.0);         ( 389127.2,
3823376.4,    1456.2,    1587.1,       0.0);
↟ *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                        ***        09:14:47

                                    PAGE  41
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

     ( 389105.1, 3823367.1,    1466.2,    1587.1,       0.0);         ( 389083.1,
3823357.8,    1479.1,    1587.1,       0.0);
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    ( 389061.0, 3823348.6,    1491.8,    1587.1,       0.0);         ( 389039.0,
3823339.3,    1502.3,    1587.1,       0.0);
    ( 389017.0, 3823330.0,    1506.2,    1587.1,       0.0);         ( 388994.9,
3823320.8,    1507.3,    1587.1,       0.0);
    ( 388972.9, 3823311.5,    1507.7,    1587.1,       0.0);         ( 388950.8,
3823302.2,    1506.3,    1587.1,       0.0);
    ( 388928.8, 3823293.0,    1500.1,    1587.1,       0.0);         ( 388906.7,
3823283.7,    1490.6,    1587.1,       0.0);
    ( 388884.7, 3823274.4,    1479.9,    1587.1,       0.0);         ( 388862.6,
3823265.1,    1470.9,    1587.1,       0.0);
    ( 388840.6, 3823255.9,    1462.7,    1587.1,       0.0);         ( 388818.6,
3823246.6,    1462.6,    1587.1,       0.0);
    ( 388796.5, 3823237.3,    1464.8,    1587.1,       0.0);         ( 388774.5,
3823228.1,    1465.2,    1587.1,       0.0);
    ( 388752.4, 3823218.8,    1466.0,    1587.1,       0.0);         ( 388730.4,
3823209.5,    1468.6,    1587.1,       0.0);
    ( 388708.3, 3823200.3,    1470.9,    1587.1,       0.0);         ( 388686.3,
3823191.0,    1469.7,    1587.1,       0.0);
    ( 388664.3, 3823181.7,    1466.2,    1587.1,       0.0);         ( 388642.2,
3823172.5,    1458.5,    1587.1,       0.0);
    ( 388620.2, 3823163.2,    1448.8,    1587.9,       0.0);         ( 388598.1,
3823153.9,    1437.8,    1587.9,       0.0);
    ( 388576.1, 3823144.6,    1425.4,    1588.5,       0.0);         ( 388554.0,
3823135.4,    1415.8,    1590.6,       0.0);
    ( 388532.0, 3823126.1,    1407.3,    1590.6,       0.0);         ( 388510.0,
3823116.8,    1396.3,    1591.3,       0.0);
    ( 388487.9, 3823107.6,    1388.0,    1591.3,       0.0);         ( 388465.9,
3823098.3,    1385.8,    1591.3,       0.0);
    ( 388443.8, 3823089.0,    1392.6,    1591.3,       0.0);         ( 388421.8,
3823079.8,    1400.5,    1591.3,       0.0);
    ( 388399.7, 3823070.5,    1405.3,    1591.3,       0.0);         ( 388377.7,
3823061.2,    1406.3,    1591.3,       0.0);
    ( 388355.6, 3823051.9,    1406.8,    1591.3,       0.0);         ( 388333.6,
3823042.7,    1409.2,    1591.3,       0.0);
    ( 388311.6, 3823033.4,    1413.5,    1591.3,       0.0);         ( 388289.5,
3823024.1,    1419.2,    1591.3,       0.0);
    ( 388267.5, 3823014.9,    1425.2,    1591.3,       0.0);         ( 388245.4,
3823005.6,    1429.6,    1591.3,       0.0);
    ( 388223.4, 3822996.3,    1429.2,    1591.3,       0.0);         ( 388201.3,
3822987.1,    1422.2,    1591.3,       0.0);
    ( 388179.3, 3822977.8,    1412.0,    1591.3,       0.0);         ( 388147.9,
3822946.5,    1398.6,    1591.3,       0.0);
    ( 388138.5, 3822924.5,    1391.5,    1591.3,       0.0);         ( 388129.1,
3822902.6,    1384.8,    1591.3,       0.0);
    ( 388119.7, 3822880.6,    1378.1,    1591.3,       0.0);         ( 388110.3,
3822858.6,    1371.2,    1591.3,       0.0);
    ( 388100.9, 3822836.6,    1363.8,    1591.3,       0.0);         ( 388091.5,
3822814.6,    1357.5,    1591.3,       0.0);
    ( 388082.1, 3822792.6,    1351.9,    1591.3,       0.0);         ( 388072.7,
3822770.6,    1344.3,    1591.3,       0.0);
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     ( 388063.3, 3822748.6,    1334.5,    1591.3,       0.0);         ( 388053.9,
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     ( 388044.5, 3822704.7,    1309.1,    1591.3,       0.0);         ( 388035.1,
3822682.7,    1299.2,    1591.3,       0.0);
     ( 388025.7, 3822660.7,    1294.4,    1591.3,       0.0);         ( 388016.3,
3822638.7,    1292.6,    1591.3,       0.0);
     ( 388006.9, 3822616.7,    1292.3,    1591.3,       0.0);         ( 387997.5,
3822594.7,    1293.4,    1591.3,       0.0);
     ( 387988.0, 3822572.8,    1296.7,    1591.3,       0.0);         ( 387978.6,
3822550.8,    1301.3,    1591.3,       0.0);
     ( 387969.2, 3822528.8,    1304.4,    1591.3,       0.0);         ( 387959.8,
3822506.8,    1305.5,    1591.3,       0.0);
     ( 387950.5, 3822484.8,    1301.9,    1591.3,       0.0);         ( 387941.0,
3822462.8,    1293.9,    1591.3,       0.0);
     ( 387931.6, 3822440.8,    1281.7,    1591.3,       0.0);         ( 387922.2,
3822418.8,    1270.5,    1591.3,       0.0);
     ( 387912.8, 3822396.8,    1262.6,    1591.3,       0.0);         ( 387903.5,
3822374.8,    1258.4,    1591.3,       0.0);
     ( 387894.0, 3822352.9,    1253.6,    1591.3,       0.0);         ( 387884.6,
3822330.9,    1246.2,    1591.3,       0.0);
     ( 387875.2, 3822308.9,    1235.6,    1591.3,       0.0);         ( 387865.8,
3822286.9,    1224.8,    1591.3,       0.0);
     ( 387856.5, 3822264.9,    1215.3,    1591.3,       0.0);         ( 387847.0,
3822242.9,    1210.8,    1591.3,       0.0);
     ( 387837.6, 3822220.9,    1210.1,    1591.3,       0.0);         ( 387828.2,
3822198.9,    1209.4,    1591.3,       0.0);
     ( 387818.8, 3822177.0,    1201.9,    1591.3,       0.0);         ( 387809.5,
3822155.0,    1193.7,    1591.3,       0.0);
     ( 387800.0, 3822133.0,    1185.3,    1591.3,       0.0);         ( 387790.6,
3822111.0,    1175.7,    1591.3,       0.0);
     ( 387781.2, 3822089.0,    1166.6,    1591.3,       0.0);         ( 387771.8,
3822067.0,    1161.9,    1591.3,       0.0);
     ( 387762.5, 3822045.0,    1160.4,    1591.3,       0.0);         ( 387753.0,
3822023.0,    1158.4,    1591.3,       0.0);
     ( 387743.6, 3822001.1,    1156.5,    1591.3,       0.0);         ( 387734.2,
3821979.1,    1154.0,    1591.3,       0.0);
     ( 387724.8, 3821957.1,    1151.0,    1591.3,       0.0);         ( 387715.5,
3821935.1,    1148.9,    1591.3,       0.0);
↟ *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                          ***       09:14:47

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

                                      *** DISCRETE CARTESIAN RECEPTORS ***
                                    (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                              (METERS)
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```
     ( 387706.0, 3821913.1,    1145.8,    1591.3,       0.0);         ( 387696.6,
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     ( 387668.4, 3821825.2,    1134.1,    1591.3,       0.0);         ( 387659.0,
3821803.2,    1131.3,    1591.3,       0.0);
     ( 387649.6, 3821781.2,    1129.0,    1591.3,       0.0);         ( 387640.2,
3821759.2,    1127.0,    1591.3,       0.0);
     ( 387630.8, 3821737.2,    1125.1,    1591.3,       0.0);         ( 387621.4,
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     ( 387612.0, 3821693.2,    1120.1,    1591.3,       0.0);         ( 387602.6,
3821671.2,    1117.7,    1591.3,       0.0);
     ( 387593.2, 3821649.2,    1116.4,    1591.3,       0.0);         ( 387583.8,
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     ( 387574.4, 3821605.3,    1111.6,    1591.3,       0.0);         ( 387565.0,
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     ( 387555.6, 3821561.3,    1107.6,    1591.3,       0.0);         ( 387546.2,
3821539.3,    1105.7,    1591.3,       0.0);
     ( 387536.8, 3821517.3,    1104.0,    1591.3,       0.0);         ( 387527.4,
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     ( 387518.0, 3821473.3,    1099.3,    1591.3,       0.0);         ( 387508.6,
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     ( 387499.2, 3821429.4,    1094.6,    1591.3,       0.0);         ( 387489.8,
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     ( 387480.4, 3821385.4,    1090.2,    1591.3,       0.0);         ( 387471.0,
3821363.4,    1087.7,    1591.3,       0.0);
     ( 387461.6, 3821341.4,    1085.4,    1591.3,       0.0);         ( 387452.2,
3821319.4,    1083.3,    1591.3,       0.0);
     ( 387442.8, 3821297.4,    1081.6,    1591.3,       0.0);         ( 387433.4,
3821275.5,    1079.7,    1591.3,       0.0);
     ( 387424.0, 3821253.5,    1078.1,    1591.3,       0.0);         ( 387414.6,
3821231.5,    1076.6,    1591.3,       0.0);
     ( 387405.2, 3821209.5,    1074.9,    1591.3,       0.0);         ( 387395.8,
3821187.5,    1073.0,    1591.3,       0.0);
     ( 387386.4, 3821165.5,    1071.2,    1591.3,       0.0);         ( 387377.0,
3821143.5,    1069.5,    1591.3,       0.0);
     ( 387367.6, 3821121.5,    1068.1,    1591.3,       0.0);         ( 387358.2,
3821099.6,    1066.4,    1591.3,       0.0);
     ( 387348.8, 3821077.6,    1064.9,    1591.3,       0.0);         ( 387339.4,
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     ( 387330.0, 3821033.6,    1062.5,    1591.3,       0.0);         ( 387320.6,
3821011.6,    1061.0,    1591.3,       0.0);
     ( 387311.2, 3820989.6,    1059.4,    1591.3,       0.0);         ( 387301.8,
3820967.6,    1057.8,    1591.3,       0.0);
     ( 387292.4, 3820945.6,    1056.2,    1591.3,       0.0);         ( 387283.0,
3820923.6,    1054.6,    1591.3,       0.0);
     ( 387273.6, 3820901.7,    1053.2,    1591.3,       0.0);         ( 387264.2,
3820879.7,    1051.7,    1591.3,       0.0);
     ( 387254.8, 3820857.7,    1050.3,    1591.3,       0.0);         ( 387245.4,
3820835.7,    1049.3,    1591.3,       0.0);
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     ( 387236.0, 3820813.7,    1048.4,    1591.3,       0.0);         ( 387226.6,
3820791.7,    1047.4,    1591.3,       0.0);
     ( 387217.2, 3820769.7,    1046.1,    1591.3,       0.0);         ( 387207.8,
3820747.8,    1044.8,    1591.3,       0.0);
     ( 387198.4, 3820725.8,    1043.4,    1591.3,       0.0);         ( 387189.0,
3820703.8,    1042.0,    1591.3,       0.0);
     ( 387179.6, 3820681.8,    1040.7,    1591.3,       0.0);         ( 387170.2,
3820659.8,    1039.2,    1591.3,       0.0);
     ( 387160.8, 3820637.8,    1037.5,    1591.3,       0.0);         ( 387151.4,
3820615.8,    1036.6,    1591.3,       0.0);
     ( 387142.0, 3820593.8,    1035.2,    1591.3,       0.0);         ( 387132.6,
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     ( 387123.2, 3820549.9,    1032.6,    1591.3,       0.0);         ( 387113.8,
3820527.9,    1030.8,    1591.3,       0.0);
     ( 387104.4, 3820505.9,    1029.7,    1591.3,       0.0);         ( 387095.0,
3820483.9,    1028.6,    1591.3,       0.0);
     ( 387085.6, 3820461.9,    1027.3,    1591.3,       0.0);         ( 387076.2,
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     ( 387066.8, 3820417.9,    1024.7,    1591.3,       0.0);         ( 387057.4,
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     ( 387048.0, 3820373.9,    1021.7,    1591.3,       0.0);         ( 387038.6,
3820352.0,    1019.9,    1591.3,       0.0);
     ( 387029.2, 3820330.0,    1018.6,    1591.3,       0.0);         ( 387019.8,
3820308.0,    1017.6,    1591.3,       0.0);
     ( 387010.4, 3820286.0,    1016.7,    1591.3,       0.0);         ( 387001.0,
3820264.0,    1015.9,    1591.3,       0.0);
     ( 386991.6, 3820242.0,    1014.2,    1591.3,       0.0);         ( 386982.2,
3820220.0,    1013.2,    1591.3,       0.0);
     ( 386972.8, 3820198.0,    1011.9,    1591.3,       0.0);         ( 386963.4,
3820176.1,    1010.5,    1591.3,       0.0);
     ( 386954.0, 3820154.1,    1009.8,    1591.3,       0.0);         ( 386944.6,
3820132.1,    1008.6,    1591.3,       0.0);
     ( 386935.2, 3820110.1,    1007.9,    1591.3,       0.0);         ( 386925.8,
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     ( 386916.4, 3820066.1,    1005.6,    1591.3,       0.0);         ( 386907.0,
3820044.1,    1004.3,    1591.3,       0.0);
     ( 386897.6, 3820022.1,    1002.9,    1591.3,       0.0);         ( 386888.2,
3820000.2,    1001.3,    1591.3,       0.0);
     ( 386878.8, 3819978.2,    1000.7,    1591.3,       0.0);         ( 386869.4,
3819956.2,     999.7,    1591.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

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(386841.2, 3819890.2, 995.5, 1591.3, 0.0); (386831.8, 3819868.2, 994.3, 1591.3, 0.0);
(386822.4, 3819846.2, 992.9, 1591.3, 0.0); (386813.0, 3819824.3, 991.9, 1591.3, 0.0);
(386803.6, 3819802.3, 990.5, 1591.3, 0.0); (386794.2, 3819780.3, 988.0, 1591.3, 0.0);
(386784.8, 3819758.3, 986.6, 1591.3, 0.0); (386775.4, 3819736.3, 985.5, 1591.3, 0.0);
(386766.0, 3819714.3, 984.4, 1591.3, 0.0); (386756.6, 3819692.3, 983.3, 1591.3, 0.0);
(386747.2, 3819670.3, 982.6, 1591.3, 0.0); (386737.8, 3819648.3, 981.7, 1591.3, 0.0);
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(386709.6, 3819582.4, 979.3, 1591.3, 0.0); (386700.2, 3819560.4, 978.0, 1591.3, 0.0);
(386690.8, 3819538.4, 977.6, 1591.3, 0.0); (386681.4, 3819516.4, 976.6, 1591.3, 0.0);
(386672.0, 3819494.4, 975.6, 1591.3, 0.0); (386662.6, 3819472.4, 974.9, 1591.3, 0.0);
(386653.2, 3819450.5, 973.8, 1591.3, 0.0); (386643.8, 3819428.5, 972.8, 1591.3, 0.0);
(386634.4, 3819406.5, 971.9, 1591.3, 0.0); (386625.0, 3819384.5, 970.8, 1591.3, 0.0);
(386615.6, 3819362.5, 970.0, 1591.3, 0.0); (386606.2, 3819340.5, 968.9, 1591.3, 0.0);
(386596.8, 3819318.5, 966.9, 1591.3, 0.0); (386587.4, 3819296.5, 964.8, 1591.3, 0.0);
(386578.0, 3819274.6, 964.1, 1591.3, 0.0); (386568.6, 3819252.6, 963.4, 1591.3, 0.0);
(386559.2, 3819230.6, 964.1, 1591.3, 0.0); (386549.8, 3819208.6, 965.9, 1591.3, 0.0);
(386540.4, 3819186.6, 965.6, 1591.3, 0.0); (386531.0, 3819164.6, 964.8, 1591.3, 0.0);
(386521.6, 3819142.6, 964.1, 1591.3, 0.0); (386512.2, 3819120.6, 963.2, 1591.3, 0.0);
(386502.8, 3819098.7, 962.4, 1591.3, 0.0); (386493.4, 3819076.7, 961.6, 1591.3, 0.0);
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(386446.4, 3818966.7, 957.2, 1591.3, 0.0); (386437.0, 3818944.7, 955.5, 1591.3, 0.0);
(386427.6, 3818922.8, 955.4, 1591.3, 0.0); (386418.2, 3818900.8, 952.6, 1591.3, 0.0);

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     ( 386371.2, 3818790.8,     949.6,    1591.3,       0.0);         ( 386361.8,
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     ( 386352.4, 3818746.8,     951.8,    1591.3,       0.0);         ( 386343.0,
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     ( 386333.6, 3818702.9,     959.3,    1591.3,       0.0);         ( 386324.2,
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     ( 386314.8, 3818658.9,     959.2,    1591.3,       0.0);         ( 386305.4,
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     ( 386258.4, 3818527.0,     976.9,    1591.3,       0.0);         ( 386249.0,
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     ( 386239.6, 3818483.0,     982.2,    1591.3,       0.0);         ( 386230.2,
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     ( 386220.8, 3818439.0,     986.5,    1591.3,       0.0);         ( 386211.4,
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     ( 386202.0, 3818395.0,     992.2,    1591.3,       0.0);         ( 386192.6,
3818373.0,     995.7,    1591.3,       0.0);
     ( 386183.2, 3818351.1,     999.4,    1591.3,       0.0);         ( 386173.8,
3818329.1,    1003.2,    1591.3,       0.0);
     ( 386164.4, 3818307.1,    1006.2,    1591.3,       0.0);         ( 386155.0,
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     ( 386145.6, 3818263.1,    1010.5,    1591.3,       0.0);         ( 386136.2,
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     ( 386126.8, 3818219.1,    1011.7,    1591.3,       0.0);         ( 386117.4,
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     ( 386108.0, 3818175.2,    1012.7,    1591.3,       0.0);         ( 386098.6,
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     ( 386089.2, 3818131.2,    1021.8,    1591.3,       0.0);         ( 386079.8,
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     ( 386070.4, 3818087.2,    1027.3,    1591.3,       0.0);         ( 386061.0,
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     ( 386051.6, 3818043.2,    1036.5,    1591.3,       0.0);         ( 386042.2,
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     ( 386032.8, 3817999.3,    1050.0,    1591.3,       0.0);         ( 386023.4,
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 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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(385976.4, 3817867.3, 1107.5, 1150.0, 0.0); (385967.0, 3817845.3, 1116.6, 1150.0, 0.0);
(385957.6, 3817823.4, 1125.1, 1150.0, 0.0); (385948.2, 3817801.4, 1132.9, 1150.0, 0.0);
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(385901.2, 3817691.4, 1137.4, 1148.9, 0.0); (385891.8, 3817669.4, 1133.5, 1148.9, 0.0);
(385882.4, 3817647.4, 1128.6, 1149.4, 0.0); (385873.0, 3817625.5, 1121.0, 1150.0, 0.0);
(385863.6, 3817603.5, 1112.8, 1150.0, 0.0); (385854.2, 3817581.5, 1104.9, 1150.0, 0.0);
(385844.8, 3817559.5, 1096.1, 1150.0, 0.0); (385835.4, 3817537.5, 1087.5, 1150.0, 0.0);
(385826.0, 3817515.5, 1078.9, 1150.0, 0.0); (385816.6, 3817493.5, 1068.3, 1150.0, 0.0);
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(385788.4, 3817427.6, 1053.2, 1150.0, 0.0); (385779.0, 3817405.6, 1053.3, 1150.0, 0.0);
(385769.6, 3817383.6, 1051.7, 1150.0, 0.0); (385760.2, 3817361.6, 1049.0, 1150.0, 0.0);
(385750.8, 3817339.6, 1045.2, 1150.0, 0.0); (385741.4, 3817317.6, 1038.9, 1150.0, 0.0);
(385732.0, 3817295.6, 1031.4, 1150.0, 0.0); (385722.6, 3817273.7, 1025.2, 1150.0, 0.0);
(385713.2, 3817251.7, 1020.0, 1150.0, 0.0); (385703.8, 3817229.7, 1015.3, 1150.0, 0.0);
(385694.4, 3817207.7, 1010.4, 1150.0, 0.0); (385685.0, 3817185.7, 1007.6, 1150.0, 0.0);
(385675.6, 3817163.7, 1004.8, 1150.0, 0.0); (385666.2, 3817141.7, 999.8, 1150.0, 0.0);
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(385619.2, 3817031.8, 996.3, 1150.0, 0.0); (385609.8, 3817009.8, 997.8, 1150.0, 0.0);
(385600.4, 3816987.8, 998.8, 1150.0, 0.0); (385591.0, 3816965.8, 998.7, 1150.0, 0.0);

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     ( 385581.6, 3816943.8,     999.3,    1150.0,       0.0);         ( 385572.2,
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     ( 385562.8, 3816899.9,    1000.2,    1150.0,       0.0);         ( 385553.4,
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     ( 385544.0, 3816855.9,    1008.9,    1150.0,       0.0);         ( 385534.6,
3816833.9,    1012.0,    1150.0,       0.0);
     ( 385525.2, 3816811.9,    1013.8,    1150.0,       0.0);         ( 385515.8,
3816789.9,    1015.6,    1150.0,       0.0);
     ( 385506.4, 3816767.9,    1018.8,    1150.0,       0.0);         ( 385497.0,
3816745.9,    1019.9,    1150.0,       0.0);
     ( 385487.6, 3816724.0,    1020.1,    1150.0,       0.0);         ( 385478.2,
3816702.0,    1015.7,    1150.0,       0.0);
     ( 385468.8, 3816680.0,    1010.6,    1150.0,       0.0);         ( 385459.4,
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     ( 394553.6, 3825638.8,     870.8,    1587.1,       0.0);         ( 394577.5,
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     ( 394649.3, 3825640.1,     867.4,    1587.1,       0.0);         ( 394673.3,
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     ( 394697.2, 3825640.8,     866.8,    1587.1,       0.0);         ( 394721.1,
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     ( 394745.1, 3825641.4,     866.3,    1587.1,       0.0);         ( 394769.0,
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     ( 394888.7, 3825643.4,     864.9,    1587.1,       0.0);         ( 394912.6,
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     ( 394443.4, 3826952.8,     893.4,    1580.1,       0.0);         ( 394421.4,
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     ( 394399.4, 3826934.3,     897.8,    1582.1,       0.0);         ( 394377.3,
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     ( 394355.3, 3826915.8,     900.3,    1582.8,       0.0);         ( 394333.3,
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     ( 394311.2, 3826897.2,     909.7,     988.9,       0.0);         ( 394289.2,
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     ( 394267.2, 3826878.7,     911.2,    1582.1,       0.0);         ( 394245.2,
3826869.4,     912.9,    1582.8,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                        ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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(394179.1, 3826841.6, 927.7, 988.9, 0.0); (394157.0, 3826832.4, 932.1, 988.9, 0.0);
(394135.0, 3826823.1, 933.4, 988.9, 0.0); (394113.0, 3826813.8, 934.3, 988.9, 0.0);
(394090.9, 3826804.6, 936.3, 988.9, 0.0); (394068.9, 3826795.3, 939.8, 988.9, 0.0);
(394046.9, 3826786.1, 945.8, 988.9, 0.0); (394024.8, 3826776.8, 955.3, 988.9, 0.0);
(394002.8, 3826767.5, 962.6, 988.9, 0.0); (393980.8, 3826758.3, 970.4, 987.5, 0.0);
(393958.8, 3826749.0, 979.4, 987.5, 0.0); (393936.7, 3826739.7, 983.7, 987.5, 0.0);
(393914.7, 3826730.5, 981.9, 987.5, 0.0); (393892.7, 3826721.2, 977.0, 987.5, 0.0);
(393870.6, 3826711.9, 972.1, 987.5, 0.0); (393848.6, 3826702.7, 966.2, 987.5, 0.0);
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(393782.5, 3826674.9, 959.1, 1585.6, 0.0); (393760.5, 3826665.6, 960.2, 1586.4, 0.0);
(393738.4, 3826656.4, 962.3, 1586.4, 0.0); (393716.4, 3826647.1, 966.0, 1585.6, 0.0);
(393694.4, 3826637.8, 964.4, 1587.1, 0.0); (393672.3, 3826628.6, 960.1, 1587.1, 0.0);
(393650.3, 3826619.3, 956.6, 1587.1, 0.0); (393628.3, 3826610.0, 953.9, 1587.1, 0.0);
(393606.3, 3826600.8, 951.7, 1587.1, 0.0); (393584.2, 3826591.5, 947.1, 1587.1, 0.0);
(393562.2, 3826582.2, 940.3, 1587.1, 0.0); (393540.2, 3826573.0, 936.8, 1587.1, 0.0);
(393518.1, 3826563.7, 931.6, 1587.1, 0.0); (393496.1, 3826554.4, 927.5, 1587.1, 0.0);
(393474.1, 3826545.2, 923.1, 1587.1, 0.0); (393452.0, 3826535.9, 925.6, 1587.1, 0.0);
(393430.0, 3826526.7, 930.6, 1587.1, 0.0); (393408.0, 3826517.4, 930.5, 1587.1, 0.0);
(393386.0, 3826508.1, 926.8, 1587.1, 0.0); (393363.9, 3826498.9, 925.4, 1587.1, 0.0);
(393341.9, 3826489.6, 924.3, 1587.1, 0.0); (393319.8, 3826480.3, 922.8, 1587.1, 0.0);
(393297.8, 3826471.1, 921.3, 1587.1, 0.0); (393275.8, 3826461.8, 920.0, 1587.1, 0.0);

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     ( 393253.8, 3826452.5,     918.6,    1587.1,       0.0);         ( 393231.7,
3826443.3,     917.5,    1587.1,       0.0);
     ( 393209.7, 3826434.0,     916.7,    1587.1,       0.0);         ( 393187.7,
3826424.8,     916.6,    1587.1,       0.0);
     ( 393165.6, 3826415.5,     917.9,    1587.1,       0.0);         ( 393143.6,
3826406.2,     919.0,    1587.8,       0.0);
     ( 393121.6, 3826397.0,     918.9,    1587.9,       0.0);         ( 393099.5,
3826387.7,     918.5,    1587.9,       0.0);
     ( 393077.5, 3826378.4,     919.2,    1587.9,       0.0);         ( 393055.5,
3826369.2,     919.2,    1587.9,       0.0);
     ( 393033.5, 3826359.9,     917.9,    1587.9,       0.0);         ( 393011.4,
3826350.6,     913.1,    1588.5,       0.0);
     ( 392989.4, 3826341.4,     908.1,    1588.5,       0.0);         ( 392967.4,
3826332.1,     903.1,    1590.4,       0.0);
     ( 392945.3, 3826322.8,     903.4,    1590.6,       0.0);         ( 392923.3,
3826313.6,     901.8,    1590.6,       0.0);
     ( 392901.3, 3826304.3,     898.8,    1590.6,       0.0);         ( 392879.2,
3826295.0,     900.4,    1590.6,       0.0);
     ( 392857.2, 3826285.8,     898.1,    1590.6,       0.0);         ( 392835.2,
3826276.5,     894.4,    1591.3,       0.0);
     ( 392813.1, 3826267.3,     892.1,    1591.3,       0.0);         ( 392791.1,
3826258.0,     891.2,    1591.3,       0.0);
     ( 392769.1, 3826248.7,     890.6,    1591.3,       0.0);         ( 392747.0,
3826239.5,     890.0,    1591.3,       0.0);
     ( 392725.0, 3826230.2,     890.1,    1591.3,       0.0);         ( 392703.0,
3826220.9,     889.9,    1591.3,       0.0);
     ( 392681.0, 3826211.7,     889.4,    1591.3,       0.0);         ( 392658.9,
3826202.4,     889.9,    1591.3,       0.0);
     ( 392636.9, 3826193.1,     890.9,    1591.3,       0.0);         ( 392614.9,
3826183.9,     892.2,    1591.3,       0.0);
     ( 392592.8, 3826174.6,     892.5,    1591.3,       0.0);         ( 392570.8,
3826165.3,     893.1,    1591.3,       0.0);
     ( 392548.8, 3826156.1,     893.6,    1591.3,       0.0);         ( 392526.7,
3826146.8,     894.4,    1591.3,       0.0);
     ( 392504.7, 3826137.6,     895.6,    1591.3,       0.0);         ( 392482.7,
3826128.3,     896.4,    1591.3,       0.0);
     ( 392460.6, 3826119.0,     898.0,    1591.3,       0.0);         ( 392438.6,
3826109.8,     899.6,    1591.3,       0.0);
     ( 392416.6, 3826100.5,     899.8,    1591.3,       0.0);         ( 392394.5,
3826091.2,     899.2,    1591.3,       0.0);
     ( 392372.5, 3826082.0,     899.1,    1591.3,       0.0);         ( 392350.5,
3826072.7,     900.6,    1591.3,       0.0);
     ( 392328.5, 3826063.4,     901.9,    1591.3,       0.0);         ( 392306.4,
3826054.2,     901.6,    1591.3,       0.0);
     ( 392284.4, 3826044.9,     901.9,    1591.3,       0.0);         ( 392262.4,
3826035.6,     903.0,    1591.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                         ***       09:14:47
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(392240.3, 3826026.4, 903.2, 1591.3, 0.0); (392218.3, 3826017.1, 903.4, 1591.3, 0.0);
(392196.3, 3826007.9, 903.8, 1591.3, 0.0); (392174.2, 3825998.6, 904.4, 1591.3, 0.0);
(392152.2, 3825989.3, 905.1, 1591.3, 0.0); (392130.2, 3825980.1, 905.3, 1591.3, 0.0);
(392108.1, 3825970.8, 905.6, 1591.3, 0.0); (392086.1, 3825961.5, 905.1, 1591.3, 0.0);
(392064.1, 3825952.3, 905.1, 1591.3, 0.0); (392042.0, 3825943.0, 906.2, 1591.3, 0.0);
(392020.0, 3825933.7, 907.6, 1591.3, 0.0); (391998.0, 3825924.5, 908.9, 1591.3, 0.0);
(391976.0, 3825915.2, 910.9, 1591.3, 0.0); (391953.9, 3825905.9, 911.1, 1591.3, 0.0);
(391931.9, 3825896.7, 911.5, 1591.3, 0.0); (391909.9, 3825887.4, 912.1, 1591.3, 0.0);
(391887.8, 3825878.2, 912.8, 1591.3, 0.0); (391865.8, 3825868.9, 913.8, 1591.3, 0.0);
(391843.8, 3825859.6, 914.3, 1591.3, 0.0); (391821.7, 3825850.4, 914.2, 1591.3, 0.0);
(391799.7, 3825841.1, 913.3, 1591.3, 0.0); (391777.7, 3825831.8, 912.2, 1591.3, 0.0);
(391755.6, 3825822.6, 911.4, 1591.3, 0.0); (391733.6, 3825813.3, 911.7, 1591.3, 0.0);
(391711.6, 3825804.0, 912.5, 1591.3, 0.0); (391689.6, 3825794.8, 914.0, 1591.3, 0.0);
(391667.5, 3825785.5, 914.1, 1591.3, 0.0); (391645.5, 3825776.2, 914.0, 1591.3, 0.0);
(391623.5, 3825767.0, 914.1, 1591.3, 0.0); (391601.4, 3825757.7, 916.0, 1591.3, 0.0);
(391579.4, 3825748.5, 918.8, 1591.3, 0.0); (391557.4, 3825739.2, 920.0, 1591.3, 0.0);
(391535.3, 3825729.9, 920.1, 1591.3, 0.0); (391513.3, 3825720.7, 920.1, 1591.3, 0.0);
(391491.3, 3825711.4, 920.9, 1591.3, 0.0); (391469.2, 3825702.1, 920.9, 1591.3, 0.0);
(391447.2, 3825692.9, 921.2, 1591.3, 0.0); (391425.2, 3825683.6, 921.5, 1591.3, 0.0);
(391403.1, 3825674.3, 921.8, 1591.3, 0.0); (391381.1, 3825665.1, 922.6, 1591.3, 0.0);
(391359.1, 3825655.8, 924.7, 1591.3, 0.0); (391337.1, 3825646.5, 926.8, 1591.3, 0.0);

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     ( 391315.0, 3825637.3,     929.4,    1591.3,       0.0);         ( 391293.0,
3825628.0,     933.5,    1591.3,       0.0);
     ( 391271.0, 3825618.8,     935.1,    1591.3,       0.0);         ( 391248.9,
3825609.5,     934.6,    1591.3,       0.0);
     ( 391226.9, 3825600.2,     934.1,    1591.3,       0.0);         ( 391204.9,
3825591.0,     937.2,    1591.3,       0.0);
     ( 391182.8, 3825581.7,     940.9,    1591.3,       0.0);         ( 391160.8,
3825572.4,     941.7,    1591.3,       0.0);
     ( 391138.8, 3825563.2,     941.5,    1591.3,       0.0);         ( 391116.8,
3825553.9,     940.7,    1591.3,       0.0);
     ( 391094.7, 3825544.6,     944.5,    1591.3,       0.0);         ( 391072.7,
3825535.4,     951.1,    1591.3,       0.0);
     ( 391050.7, 3825526.1,     958.5,    1591.3,       0.0);         ( 391028.6,
3825516.8,     965.0,    1591.3,       0.0);
     ( 391006.6, 3825507.6,     966.3,    1591.3,       0.0);         ( 390984.6,
3825498.3,     964.9,    1591.3,       0.0);
     ( 390962.5, 3825489.1,     963.7,    1591.3,       0.0);         ( 390940.5,
3825479.8,     961.4,    1591.3,       0.0);
     ( 390918.5, 3825470.5,     960.4,    1591.3,       0.0);         ( 390896.4,
3825461.3,     964.1,    1591.3,       0.0);
     ( 390874.4, 3825452.0,     968.0,    1591.3,       0.0);         ( 390852.4,
3825442.7,     972.3,    1591.3,       0.0);
     ( 390830.3, 3825433.5,     980.5,    1591.3,       0.0);         ( 390808.3,
3825424.2,     989.9,    1591.3,       0.0);
     ( 390786.3, 3825414.9,     999.5,    1591.3,       0.0);         ( 390764.2,
3825405.7,    1009.5,    1591.3,       0.0);
     ( 390742.2, 3825396.4,    1017.0,    1591.3,       0.0);         ( 390720.2,
3825387.1,    1017.4,    1591.3,       0.0);
     ( 390698.2, 3825377.9,    1014.3,    1591.3,       0.0);         ( 390676.1,
3825368.6,    1010.9,    1591.3,       0.0);
     ( 390654.1, 3825359.4,    1008.2,    1591.3,       0.0);         ( 390632.1,
3825350.1,    1013.0,    1591.3,       0.0);
     ( 390610.0, 3825340.8,    1020.7,    1591.3,       0.0);         ( 390588.0,
3825331.6,    1022.2,    1591.3,       0.0);
     ( 390566.0, 3825322.3,    1018.9,    1591.3,       0.0);         ( 390543.9,
3825313.0,    1014.2,    1591.3,       0.0);
     ( 390521.9, 3825303.8,    1008.8,    1591.3,       0.0);         ( 390499.9,
3825294.5,    1004.4,    1591.3,       0.0);
     ( 390477.8, 3825285.2,    1008.8,    1591.3,       0.0);         ( 390455.8,
3825276.0,    1017.9,    1591.3,       0.0);
     ( 390433.8, 3825266.7,    1025.0,    1591.3,       0.0);         ( 390411.8,
3825257.4,    1026.3,    1591.3,       0.0);
     ( 390389.7, 3825248.2,    1022.8,    1591.3,       0.0);         ( 390367.7,
3825238.9,    1016.4,    1591.3,       0.0);
     ( 390345.7, 3825229.7,    1009.8,    1591.3,       0.0);         ( 390323.6,
3825220.4,    1004.8,    1591.3,       0.0);
     ( 390301.6, 3825211.1,    1007.3,    1591.3,       0.0);         ( 390279.6,
3825201.9,    1013.9,    1591.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(390257.5, 3825192.6, 1024.4, 1591.3, 0.0); (390235.5, 3825183.3, 1035.5, 1591.3, 0.0);
(390213.5, 3825174.1, 1045.7, 1591.3, 0.0); (390191.5, 3825164.8, 1052.5, 1591.3, 0.0);
(390169.4, 3825155.5, 1060.0, 1591.3, 0.0); (390147.4, 3825146.3, 1067.8, 1591.3, 0.0);
(390125.3, 3825137.0, 1073.5, 1591.3, 0.0); (390103.3, 3825127.8, 1074.9, 1591.3, 0.0);
(390081.3, 3825118.5, 1072.5, 1591.3, 0.0); (390059.3, 3825109.2, 1076.5, 1591.3, 0.0);
(390037.2, 3825100.0, 1084.6, 1591.3, 0.0); (390015.2, 3825090.7, 1089.7, 1591.3, 0.0);
(389993.2, 3825081.4, 1088.4, 1591.3, 0.0); (389971.1, 3825072.2, 1081.0, 1591.3, 0.0);
(389949.1, 3825062.9, 1069.9, 1591.3, 0.0); (389927.1, 3825053.6, 1069.0, 1591.3, 0.0);
(389905.0, 3825044.4, 1081.1, 1591.3, 0.0); (389883.0, 3825035.1, 1091.0, 1591.3, 0.0);
(389861.0, 3825025.8, 1096.0, 1591.3, 0.0); (389839.0, 3825016.6, 1100.0, 1591.3, 0.0);
(389816.9, 3825007.3, 1097.5, 1591.3, 0.0); (389794.9, 3824998.0, 1088.9, 1591.3, 0.0);
(389772.9, 3824988.8, 1079.4, 1591.3, 0.0); (389750.8, 3824979.5, 1067.1, 1591.3, 0.0);
(389728.8, 3824970.3, 1054.2, 1591.3, 0.0); (389706.8, 3824961.0, 1044.0, 1591.3, 0.0);
(389684.7, 3824951.7, 1036.6, 1591.3, 0.0); (389662.7, 3824942.5, 1033.1, 1591.3, 0.0);
(389640.7, 3824933.2, 1036.0, 1591.3, 0.0); (389618.6, 3824923.9, 1042.3, 1591.3, 0.0);
(389596.6, 3824914.7, 1055.3, 1591.3, 0.0); (389574.6, 3824905.4, 1066.9, 1591.3, 0.0);
(389552.5, 3824896.1, 1076.1, 1591.3, 0.0); (389530.5, 3824886.9, 1082.3, 1591.3, 0.0);
(389508.5, 3824877.6, 1090.2, 1591.3, 0.0); (389486.5, 3824868.3, 1100.4, 1591.3, 0.0);
(389464.4, 3824859.1, 1110.4, 1591.3, 0.0); (389442.4, 3824849.8, 1116.8, 1591.3, 0.0);
(389420.4, 3824840.6, 1124.2, 1591.3, 0.0); (389398.3, 3824831.3, 1133.5, 1591.3, 0.0);

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     ( 389376.3, 3824822.0,    1142.8,    1591.3,       0.0);         ( 389354.3,
3824812.8,    1150.8,    1591.3,       0.0);
     ( 389332.2, 3824803.5,    1157.6,    1591.3,       0.0);         ( 389310.2,
3824794.2,    1164.6,    1591.3,       0.0);
     ( 389288.2, 3824785.0,    1168.9,    1591.3,       0.0);         ( 389266.1,
3824775.7,    1171.8,    1591.3,       0.0);
     ( 389244.1, 3824766.4,    1174.3,    1591.3,       0.0);         ( 389222.1,
3824757.2,    1174.2,    1591.3,       0.0);
     ( 389200.0, 3824747.9,    1171.5,    1591.3,       0.0);         ( 389178.0,
3824738.6,    1167.8,    1591.3,       0.0);
     ( 389156.0, 3824729.4,    1162.2,    1591.3,       0.0);         ( 389134.0,
3824720.1,    1154.6,    1591.3,       0.0);
     ( 389111.9, 3824710.9,    1142.2,    1591.3,       0.0);         ( 389089.9,
3824701.6,    1142.7,    1591.3,       0.0);
     ( 389067.9, 3824692.3,    1147.4,    1591.3,       0.0);         ( 389045.8,
3824683.1,    1153.3,    1591.3,       0.0);
     ( 389023.8, 3824673.8,    1157.5,    1591.3,       0.0);         ( 389001.8,
3824664.5,    1163.5,    1591.3,       0.0);
     ( 388979.7, 3824655.3,    1171.6,    1591.3,       0.0);         ( 388957.7,
3824646.0,    1178.6,    1591.3,       0.0);
     ( 388935.7, 3824636.8,    1185.2,    1591.3,       0.0);         ( 388913.6,
3824627.5,    1194.3,    1591.3,       0.0);
     ( 388891.6, 3824618.2,    1202.0,    1591.3,       0.0);         ( 388869.6,
3824608.9,    1204.8,    1591.3,       0.0);
     ( 388847.5, 3824599.7,    1206.4,    1591.3,       0.0);         ( 388825.5,
3824590.4,    1208.8,    1591.3,       0.0);
     ( 388803.5, 3824581.2,    1212.9,    1591.3,       0.0);         ( 388781.5,
3824571.9,    1217.3,    1591.3,       0.0);
     ( 388759.4, 3824562.6,    1223.0,    1591.3,       0.0);         ( 388737.4,
3824553.4,    1229.8,    1591.3,       0.0);
     ( 388715.4, 3824544.1,    1237.4,    1591.3,       0.0);         ( 388693.3,
3824534.8,    1244.4,    1591.3,       0.0);
     ( 388671.3, 3824525.6,    1251.3,    1591.3,       0.0);         ( 388649.3,
3824516.3,    1258.2,    1591.3,       0.0);
     ( 388627.2, 3824507.0,    1258.3,    1591.3,       0.0);         ( 388605.2,
3824497.8,    1248.8,    1591.3,       0.0);
     ( 388583.2, 3824488.5,    1236.6,    1591.3,       0.0);         ( 388561.1,
3824479.2,    1230.8,    1591.3,       0.0);
     ( 388539.1, 3824470.0,    1239.0,    1591.3,       0.0);         ( 388517.1,
3824460.7,    1252.3,    1591.3,       0.0);
     ( 388495.1, 3824451.5,    1264.2,    1591.3,       0.0);         ( 388473.0,
3824442.2,    1269.9,    1591.3,       0.0);
     ( 388451.0, 3824432.9,    1272.1,    1591.3,       0.0);         ( 388429.0,
3824423.7,    1273.0,    1591.3,       0.0);
     ( 388406.9, 3824414.4,    1273.3,    1591.3,       0.0);         ( 388384.9,
3824405.1,    1275.7,    1591.3,       0.0);
     ( 388362.9, 3824395.9,    1279.7,    1591.3,       0.0);         ( 388340.8,
3824386.6,    1276.1,    1591.3,       0.0);
     ( 388318.8, 3824377.3,    1271.3,    1591.3,       0.0);         ( 388296.8,
3824368.1,    1267.4,    1591.3,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(388274.8, 3824358.8, 1261.1, 1591.3, 0.0); (388252.7, 3824349.5, 1251.3, 1591.3, 0.0);
(388230.7, 3824340.3, 1242.3, 1591.3, 0.0); (388208.6, 3824331.0, 1247.5, 1591.3, 0.0);
(388186.6, 3824321.8, 1260.7, 1591.3, 0.0); (388164.6, 3824312.5, 1269.2, 1591.3, 0.0);
(388142.6, 3824303.2, 1273.0, 1591.3, 0.0); (388120.5, 3824294.0, 1272.3, 1591.3, 0.0);
(388098.5, 3824284.7, 1272.5, 1591.3, 0.0); (388076.5, 3824275.4, 1277.8, 1591.3, 0.0);
(388054.4, 3824266.2, 1286.8, 1591.3, 0.0); (388032.4, 3824256.9, 1286.6, 1591.3, 0.0);
(388010.4, 3824247.6, 1286.0, 1591.3, 0.0); (387988.3, 3824238.4, 1289.8, 1591.3, 0.0);
(387966.3, 3824229.1, 1295.0, 1591.3, 0.0); (387944.3, 3824219.9, 1301.5, 1591.3, 0.0);
(387922.2, 3824210.6, 1305.0, 1591.3, 0.0); (387900.2, 3824201.3, 1302.1, 1591.3, 0.0);
(387878.2, 3824192.1, 1306.2, 1591.3, 0.0); (387856.2, 3824182.8, 1315.9, 1591.3, 0.0);
(387834.1, 3824173.5, 1323.5, 1591.3, 0.0); (387812.1, 3824164.3, 1328.5, 1591.3, 0.0);
(387790.1, 3824155.0, 1327.5, 1591.3, 0.0); (387768.0, 3824145.7, 1318.4, 1591.3, 0.0);
(387746.0, 3824136.5, 1304.1, 1591.3, 0.0); (387724.0, 3824127.2, 1296.7, 1591.3, 0.0);
(387701.9, 3824117.9, 1307.2, 1591.3, 0.0); (387679.9, 3824108.7, 1320.2, 1591.3, 0.0);
(387657.9, 3824099.4, 1333.4, 1591.3, 0.0); (387635.8, 3824090.2, 1346.0, 1591.3, 0.0);
(387613.8, 3824080.9, 1356.3, 1591.3, 0.0); (387591.8, 3824071.6, 1362.7, 1591.3, 0.0);
(387569.8, 3824062.4, 1363.8, 1591.3, 0.0); (387547.7, 3824053.1, 1364.0, 1591.3, 0.0);
(387525.7, 3824043.8, 1365.8, 1591.3, 0.0); (387503.7, 3824034.6, 1372.6, 1591.3, 0.0);
(387481.6, 3824025.3, 1377.0, 1591.3, 0.0); (387459.6, 3824016.0, 1377.9, 1591.3, 0.0);

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     ( 387437.6, 3824006.8,    1379.4,    1591.3,       0.0);         ( 387415.5,
3823997.5,    1379.2,    1591.3,       0.0);
     ( 387393.5, 3823988.2,    1377.2,    1591.3,       0.0);         ( 387371.5,
3823979.0,    1375.8,    1591.3,       0.0);
     ( 387349.4, 3823969.7,    1376.3,    1591.3,       0.0);         ( 387327.4,
3823960.5,    1377.6,    1591.3,       0.0);
     ( 387305.4, 3823951.2,    1377.9,    1591.3,       0.0);         ( 387283.3,
3823941.9,    1375.6,    1591.3,       0.0);
     ( 387261.3, 3823932.7,    1375.9,    1591.3,       0.0);         ( 387239.3,
3823923.4,    1369.3,    1591.3,       0.0);
     ( 387207.9, 3823892.2,    1349.8,    1591.3,       0.0);         ( 387198.5,
3823870.2,    1351.5,    1591.3,       0.0);
     ( 387189.1, 3823848.2,    1361.9,    1591.3,       0.0);         ( 387179.7,
3823826.2,    1368.1,    1591.3,       0.0);
     ( 387170.3, 3823804.3,    1373.2,    1591.3,       0.0);         ( 387160.9,
3823782.3,    1378.6,    1591.3,       0.0);
     ( 387151.5, 3823760.3,    1380.4,    1591.3,       0.0);         ( 387142.1,
3823738.3,    1384.6,    1591.3,       0.0);
     ( 387132.7, 3823716.3,    1392.3,    1591.3,       0.0);         ( 387123.3,
3823694.4,    1402.8,    1591.3,       0.0);
     ( 387113.9, 3823672.4,    1412.1,    1591.3,       0.0);         ( 387104.5,
3823650.4,    1422.0,    1591.3,       0.0);
     ( 387095.1, 3823628.4,    1434.7,    1591.3,       0.0);         ( 387085.7,
3823606.5,    1450.0,    1591.3,       0.0);
     ( 387076.3, 3823584.5,    1458.7,    1591.3,       0.0);         ( 387066.9,
3823562.5,    1462.4,    1591.3,       0.0);
     ( 387057.5, 3823540.5,    1470.1,    1591.3,       0.0);         ( 387048.1,
3823518.6,    1482.3,    1591.3,       0.0);
     ( 387038.8, 3823496.6,    1496.1,    1591.3,       0.0);         ( 387029.4,
3823474.6,    1510.6,    1591.3,       0.0);
     ( 387020.0, 3823452.6,    1520.3,    1591.3,       0.0);         ( 387010.6,
3823430.7,    1526.9,    1591.3,       0.0);
     ( 387001.2, 3823408.7,    1533.8,    1591.3,       0.0);         ( 386991.8,
3823386.7,    1543.3,    1591.3,       0.0);
     ( 386982.4, 3823364.8,    1549.2,    1591.3,       0.0);         ( 386973.0,
3823342.8,    1553.2,    1591.3,       0.0);
     ( 386963.6, 3823320.8,    1557.2,    1590.6,       0.0);         ( 386954.2,
3823298.8,    1561.6,    1590.6,       0.0);
     ( 386944.8, 3823276.8,    1566.0,    1590.6,       0.0);         ( 386935.4,
3823254.9,    1570.9,    1590.6,       0.0);
     ( 386926.0, 3823232.9,    1575.0,    1590.6,       0.0);         ( 386916.6,
3823210.9,    1581.0,    1590.6,       0.0);
     ( 386907.2, 3823188.9,    1585.8,    1588.8,       0.0);         ( 386897.8,
3823167.0,    1588.9,    1588.9,       0.0);
     ( 386888.4, 3823145.0,    1590.1,    1590.1,       0.0);         ( 386879.0,
3823123.0,    1589.3,    1589.3,       0.0);
     ( 386869.6, 3823101.0,    1587.0,    1588.4,       0.0);         ( 386860.2,
3823079.1,    1582.9,    1590.6,       0.0);
     ( 386850.8, 3823057.1,    1576.7,    1590.6,       0.0);         ( 386841.5,
3823035.1,    1568.8,    1591.3,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(386813.3, 3822969.2, 1534.9, 1591.3, 0.0); (386803.9,
3822947.2, 1523.9, 1591.3, 0.0);
(386794.5, 3822925.2, 1512.1, 1591.3, 0.0); (386785.1,
3822903.3, 1503.5, 1591.3, 0.0);
(386775.7, 3822881.3, 1496.1, 1591.3, 0.0); (386766.3,
3822859.3, 1488.2, 1591.3, 0.0);
(386756.9, 3822837.3, 1480.3, 1591.3, 0.0); (386747.5,
3822815.4, 1473.0, 1591.3, 0.0);
(386738.1, 3822793.4, 1465.5, 1591.3, 0.0); (386728.7,
3822771.4, 1454.4, 1591.3, 0.0);
(386719.3, 3822749.4, 1442.9, 1591.3, 0.0); (386709.9,
3822727.4, 1431.4, 1591.3, 0.0);
(386700.5, 3822705.5, 1424.8, 1591.3, 0.0); (386691.1,
3822683.5, 1422.3, 1591.3, 0.0);
(386681.7, 3822661.5, 1422.2, 1591.3, 0.0); (386672.3,
3822639.5, 1422.5, 1591.3, 0.0);
(386663.0, 3822617.6, 1422.2, 1591.3, 0.0); (386653.5,
3822595.6, 1419.1, 1591.3, 0.0);
(386644.2, 3822573.6, 1414.2, 1591.3, 0.0); (386634.8,
3822551.6, 1407.7, 1591.3, 0.0);
(386625.4, 3822529.7, 1395.7, 1591.3, 0.0); (386616.0,
3822507.7, 1381.2, 1591.3, 0.0);
(386606.6, 3822485.7, 1366.3, 1591.3, 0.0); (386597.2,
3822463.8, 1359.0, 1591.3, 0.0);
(386587.8, 3822441.8, 1357.2, 1591.3, 0.0); (386578.4,
3822419.8, 1352.1, 1591.3, 0.0);
(386569.0, 3822397.8, 1346.5, 1591.3, 0.0); (386559.6,
3822375.8, 1341.0, 1591.3, 0.0);
(386550.2, 3822353.9, 1334.8, 1591.3, 0.0); (386540.8,
3822331.9, 1327.0, 1591.3, 0.0);
(386531.4, 3822309.9, 1319.0, 1591.3, 0.0); (386522.0,
3822287.9, 1316.6, 1591.3, 0.0);
(386512.6, 3822266.0, 1318.9, 1591.3, 0.0); (386503.2,
3822244.0, 1319.3, 1591.3, 0.0);
(386493.8, 3822222.0, 1313.1, 1591.3, 0.0); (386484.4,
3822200.0, 1305.3, 1591.3, 0.0);

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     ( 386475.0, 3822178.1,    1297.5,    1591.3,       0.0);         ( 386465.6,
3822156.1,    1290.0,    1591.3,       0.0);
     ( 386456.3, 3822134.1,    1282.8,    1591.3,       0.0);         ( 386446.9,
3822112.1,    1280.0,    1591.3,       0.0);
     ( 386437.5, 3822090.2,    1277.2,    1591.3,       0.0);         ( 386428.1,
3822068.2,    1272.1,    1591.3,       0.0);
     ( 386418.7, 3822046.2,    1268.7,    1591.3,       0.0);         ( 386409.3,
3822024.2,    1267.4,    1591.3,       0.0);
     ( 386399.9, 3822002.3,    1267.5,    1591.3,       0.0);         ( 386390.5,
3821980.3,    1265.5,    1591.3,       0.0);
     ( 386381.1, 3821958.3,    1259.5,    1591.3,       0.0);         ( 386371.7,
3821936.3,    1250.7,    1591.3,       0.0);
     ( 386362.3, 3821914.4,    1242.6,    1591.3,       0.0);         ( 386352.9,
3821892.4,    1231.8,    1591.3,       0.0);
     ( 386343.5, 3821870.4,    1220.6,    1591.3,       0.0);         ( 386334.1,
3821848.4,    1212.8,    1591.3,       0.0);
     ( 386324.7, 3821826.4,    1202.3,    1591.3,       0.0);         ( 386315.3,
3821804.5,    1190.0,    1591.3,       0.0);
     ( 386305.9, 3821782.5,    1182.6,    1591.3,       0.0);         ( 386296.5,
3821760.5,    1175.4,    1591.3,       0.0);
     ( 386287.1, 3821738.5,    1165.5,    1591.3,       0.0);         ( 386277.8,
3821716.6,    1159.2,    1591.3,       0.0);
     ( 386268.4, 3821694.6,    1151.2,    1591.3,       0.0);         ( 386259.0,
3821672.6,    1151.6,    1591.3,       0.0);
     ( 386249.6, 3821650.6,    1149.2,    1591.3,       0.0);         ( 386240.2,
3821628.7,    1146.5,    1591.3,       0.0);
     ( 386230.8, 3821606.7,    1143.3,    1591.3,       0.0);         ( 386221.4,
3821584.7,    1139.6,    1591.3,       0.0);
     ( 386212.0, 3821562.8,    1135.3,    1591.3,       0.0);         ( 386202.6,
3821540.8,    1129.8,    1591.3,       0.0);
     ( 386193.2, 3821518.8,    1123.3,    1591.3,       0.0);         ( 386183.8,
3821496.8,    1117.9,    1591.3,       0.0);
     ( 386174.4, 3821474.8,    1112.8,    1591.3,       0.0);         ( 386165.0,
3821452.9,    1108.1,    1591.3,       0.0);
     ( 386155.6, 3821430.9,    1105.1,    1591.3,       0.0);         ( 386146.2,
3821408.9,    1102.9,    1591.3,       0.0);
     ( 386136.8, 3821386.9,    1100.0,    1591.3,       0.0);         ( 386127.4,
3821365.0,    1097.5,    1591.3,       0.0);
     ( 386118.0, 3821343.0,    1092.3,    1591.3,       0.0);         ( 386108.6,
3821321.0,    1087.4,    1591.3,       0.0);
     ( 386099.2, 3821299.0,    1083.8,    1591.3,       0.0);         ( 386089.8,
3821277.1,    1080.7,    1591.3,       0.0);
     ( 386080.5, 3821255.1,    1078.6,    1591.3,       0.0);         ( 386071.1,
3821233.1,    1076.3,    1591.3,       0.0);
     ( 386061.7, 3821211.1,    1073.9,    1591.3,       0.0);         ( 386052.3,
3821189.2,    1071.7,    1591.3,       0.0);
     ( 386042.9, 3821167.2,    1069.8,    1591.3,       0.0);         ( 386033.5,
3821145.2,    1068.0,    1591.3,       0.0);
     ( 386024.1, 3821123.2,    1065.5,    1591.3,       0.0);         ( 386014.7,
3821101.3,    1064.4,    1591.3,       0.0);
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(386005.3, 3821079.3, 1063.6, 1591.3, 0.0); (385995.9,
3821057.3, 1061.7, 1591.3, 0.0);
(385986.5, 3821035.3, 1059.2, 1591.3, 0.0); (385977.1,
3821013.4, 1057.1, 1591.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(385967.7, 3820991.4, 1055.2, 1591.3, 0.0); (385958.3,
3820969.4, 1053.5, 1591.3, 0.0);
(385948.9, 3820947.4, 1051.6, 1591.3, 0.0); (385939.5,
3820925.5, 1049.5, 1591.3, 0.0);
(385930.1, 3820903.5, 1048.0, 1591.3, 0.0); (385920.7,
3820881.5, 1046.6, 1591.3, 0.0);
(385911.3, 3820859.5, 1045.5, 1591.3, 0.0); (385902.0,
3820837.5, 1044.6, 1591.3, 0.0);
(385892.6, 3820815.6, 1043.4, 1591.3, 0.0); (385883.2,
3820793.6, 1042.1, 1591.3, 0.0);
(385873.8, 3820771.6, 1041.0, 1591.3, 0.0); (385864.4,
3820749.6, 1038.9, 1591.3, 0.0);
(385855.0, 3820727.7, 1037.3, 1591.3, 0.0); (385845.6,
3820705.7, 1035.6, 1591.3, 0.0);
(385836.2, 3820683.7, 1033.7, 1591.3, 0.0); (385826.8,
3820661.8, 1031.6, 1591.3, 0.0);
(385817.4, 3820639.8, 1028.7, 1591.3, 0.0); (385808.0,
3820617.8, 1026.2, 1591.3, 0.0);
(385798.6, 3820595.8, 1024.2, 1591.3, 0.0); (385789.2,
3820573.8, 1022.1, 1591.3, 0.0);
(385779.8, 3820551.9, 1023.8, 1591.3, 0.0); (385770.4,
3820529.9, 1026.3, 1591.3, 0.0);
(385761.0, 3820507.9, 1028.6, 1591.3, 0.0); (385751.6,
3820485.9, 1031.2, 1591.3, 0.0);
(385742.2, 3820464.0, 1034.2, 1591.3, 0.0); (385732.8,
3820442.0, 1040.1, 1591.3, 0.0);
(385723.4, 3820420.0, 1043.4, 1591.3, 0.0); (385714.0,
3820398.0, 1048.9, 1591.3, 0.0);
(385704.6, 3820376.1, 1056.7, 1591.3, 0.0); (385695.3,
3820354.1, 1065.6, 1591.3, 0.0);
(385685.9, 3820332.1, 1072.6, 1591.3, 0.0); (385676.5,
3820310.1, 1074.7, 1591.3, 0.0);
(385667.1, 3820288.2, 1071.3, 1591.3, 0.0); (385657.7,
3820266.2, 1069.7, 1591.3, 0.0);

```
     ( 385648.3, 3820244.2,    1066.0,    1591.3,       0.0);         ( 385638.9,
3820222.2,    1061.2,    1591.3,       0.0);
     ( 385629.5, 3820200.3,    1053.7,    1591.3,       0.0);         ( 385620.1,
3820178.3,    1050.8,    1591.3,       0.0);
     ( 385610.7, 3820156.3,    1048.8,    1591.3,       0.0);         ( 385601.3,
3820134.3,    1045.1,    1591.3,       0.0);
     ( 385591.9, 3820112.4,    1039.8,    1591.3,       0.0);         ( 385582.5,
3820090.4,    1035.1,    1591.3,       0.0);
     ( 385573.1, 3820068.4,    1030.9,    1591.3,       0.0);         ( 385563.7,
3820046.4,    1026.5,    1591.3,       0.0);
     ( 385554.3, 3820024.5,    1023.3,    1591.3,       0.0);         ( 385544.9,
3820002.5,    1021.0,    1591.3,       0.0);
     ( 385535.5, 3819980.5,    1018.9,    1591.3,       0.0);         ( 385526.1,
3819958.5,    1019.1,    1591.3,       0.0);
     ( 385516.8, 3819936.5,    1019.2,    1591.3,       0.0);         ( 385507.4,
3819914.6,    1019.2,    1591.3,       0.0);
     ( 385498.0, 3819892.6,    1017.7,    1591.3,       0.0);         ( 385488.6,
3819870.6,    1013.3,    1591.3,       0.0);
     ( 385479.2, 3819848.6,    1011.3,    1591.3,       0.0);         ( 385469.8,
3819826.7,    1011.8,    1591.3,       0.0);
     ( 385460.4, 3819804.7,    1015.1,    1591.3,       0.0);         ( 385451.0,
3819782.7,    1019.4,    1591.3,       0.0);
     ( 385441.6, 3819760.8,    1021.2,    1591.3,       0.0);         ( 385432.2,
3819738.8,    1014.6,    1591.3,       0.0);
     ( 385422.8, 3819716.8,    1009.7,    1591.3,       0.0);         ( 385413.4,
3819694.8,    1009.1,    1591.3,       0.0);
     ( 385404.0, 3819672.8,    1010.1,    1591.3,       0.0);         ( 385394.6,
3819650.9,    1010.3,    1591.3,       0.0);
     ( 385385.2, 3819628.9,    1011.2,    1591.3,       0.0);         ( 385375.8,
3819606.9,    1011.8,    1591.3,       0.0);
     ( 385366.4, 3819584.9,    1013.4,    1591.3,       0.0);         ( 385357.0,
3819563.0,    1016.2,    1591.3,       0.0);
     ( 385347.6, 3819541.0,    1016.2,    1591.3,       0.0);         ( 385338.2,
3819519.0,    1015.0,    1591.3,       0.0);
     ( 385328.8, 3819497.0,    1016.4,    1591.3,       0.0);         ( 385319.5,
3819475.1,    1019.3,    1591.3,       0.0);
     ( 385310.1, 3819453.1,    1023.2,    1591.3,       0.0);         ( 385300.7,
3819431.1,    1027.6,    1591.3,       0.0);
     ( 385291.3, 3819409.1,    1031.7,    1591.3,       0.0);         ( 385281.9,
3819387.2,    1031.9,    1591.3,       0.0);
     ( 385272.5, 3819365.2,    1029.7,    1591.3,       0.0);         ( 385263.1,
3819343.2,    1028.6,    1591.3,       0.0);
     ( 385253.7, 3819321.2,    1027.0,    1591.3,       0.0);         ( 385244.3,
3819299.3,    1024.9,    1591.3,       0.0);
     ( 385234.9, 3819277.3,    1023.0,    1591.3,       0.0);         ( 385225.5,
3819255.3,    1021.0,    1591.3,       0.0);
     ( 385216.1, 3819233.3,    1020.0,    1591.3,       0.0);         ( 385206.7,
3819211.4,    1018.8,    1591.3,       0.0);
     ( 385197.3, 3819189.4,    1018.0,    1591.3,       0.0);         ( 385187.9,
3819167.4,    1017.1,    1591.3,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(385122.2, 3819013.6, 1005.4, 1591.3, 0.0); (385112.8, 3818991.6, 1003.9, 1591.3, 0.0);
(385103.4, 3818969.6, 1002.7, 1591.3, 0.0); (385094.0, 3818947.6, 1000.6, 1591.3, 0.0);
(385084.6, 3818925.7, 999.6, 1591.3, 0.0); (385075.2, 3818903.7, 999.7, 1591.3, 0.0);
(385065.8, 3818881.7, 999.5, 1591.3, 0.0); (385056.4, 3818859.8, 996.9, 1591.3, 0.0);
(385047.0, 3818837.8, 994.8, 1591.3, 0.0); (385037.6, 3818815.8, 993.8, 1591.3, 0.0);
(385028.2, 3818793.8, 993.4, 1591.3, 0.0); (385018.8, 3818771.8, 996.5, 1591.3, 0.0);
(385009.4, 3818749.9, 1000.4, 1591.3, 0.0); (385000.0, 3818727.9, 999.8, 1591.3, 0.0);
(384990.6, 3818705.9, 999.3, 1591.3, 0.0); (384981.2, 3818683.9, 999.1, 1591.3, 0.0);
(384971.8, 3818662.0, 1000.7, 1591.3, 0.0); (384962.5, 3818640.0, 1003.0, 1591.3, 0.0);
(384953.0, 3818618.0, 1002.0, 1591.3, 0.0); (384943.7, 3818596.0, 999.0, 1591.3, 0.0);
(384934.3, 3818574.1, 996.1, 1591.3, 0.0); (384924.9, 3818552.1, 993.6, 1591.3, 0.0);
(384915.5, 3818530.1, 992.6, 1591.3, 0.0); (384906.1, 3818508.1, 991.9, 1591.3, 0.0);
(384896.7, 3818486.2, 990.5, 1591.3, 0.0); (384887.3, 3818464.2, 989.5, 1591.3, 0.0);
(384877.9, 3818442.2, 988.4, 1591.3, 0.0); (384868.5, 3818420.2, 987.8, 1591.3, 0.0);
(384859.1, 3818398.3, 988.7, 1591.3, 0.0); (384849.7, 3818376.3, 988.3, 1591.3, 0.0);
(384840.3, 3818354.3, 986.5, 1591.3, 0.0); (384830.9, 3818332.3, 984.7, 1591.3, 0.0);

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     ( 384821.5, 3818310.4,     984.1,    1591.3,       0.0);         ( 384812.1,
3818288.4,     983.9,    1591.3,       0.0);
     ( 384802.7, 3818266.4,     984.0,    1591.3,       0.0);         ( 384793.3,
3818244.4,     983.8,    1591.3,       0.0);
     ( 384783.9, 3818222.5,     983.6,    1591.3,       0.0);         ( 384774.5,
3818200.5,     984.7,    1591.3,       0.0);
     ( 384765.1, 3818178.5,     989.1,    1591.3,       0.0);         ( 384755.8,
3818156.5,     995.6,    1591.3,       0.0);
     ( 384746.4, 3818134.6,    1001.8,    1591.3,       0.0);         ( 384737.0,
3818112.6,    1004.9,    1591.3,       0.0);
     ( 384727.6, 3818090.6,    1002.8,    1591.3,       0.0);         ( 384718.2,
3818068.6,     999.7,    1591.3,       0.0);
     ( 384708.8, 3818046.7,     996.0,    1591.3,       0.0);         ( 384699.4,
3818024.7,     991.2,    1591.3,       0.0);
     ( 384690.0, 3818002.7,     987.7,    1591.3,       0.0);         ( 384680.6,
3817980.7,     985.1,    1591.3,       0.0);
     ( 384671.2, 3817958.8,     982.2,    1591.3,       0.0);         ( 384661.8,
3817936.8,     983.5,    1591.3,       0.0);
     ( 384652.4, 3817914.8,     984.3,    1591.3,       0.0);         ( 384643.0,
3817892.8,     984.5,    1591.3,       0.0);
     ( 384633.6, 3817870.8,     986.5,    1591.3,       0.0);         ( 384624.2,
3817848.9,     990.1,    1591.3,       0.0);
     ( 384614.8, 3817826.9,     991.7,    1591.3,       0.0);         ( 384605.4,
3817804.9,     987.3,    1591.3,       0.0);
     ( 384596.0, 3817782.9,     981.2,    1591.3,       0.0);         ( 384586.6,
3817761.0,     976.1,    1591.3,       0.0);
     ( 384577.2, 3817739.0,     973.0,    1591.3,       0.0);         ( 384567.8,
3817717.0,     971.9,    1591.3,       0.0);
     ( 384558.5, 3817695.0,     972.1,    1591.3,       0.0);         ( 384549.1,
3817673.1,     972.9,    1591.3,       0.0);
     ( 384539.7, 3817651.1,     973.6,    1591.3,       0.0);         ( 384530.3,
3817629.1,     972.9,    1591.3,       0.0);
     ( 384520.9, 3817607.1,     973.9,    1591.3,       0.0);         ( 384511.5,
3817585.2,     974.7,    1591.3,       0.0);
     ( 384502.1, 3817563.2,     973.8,    1591.3,       0.0);         ( 384492.7,
3817541.2,     970.6,    1591.3,       0.0);
     ( 384483.3, 3817519.2,     968.7,    1591.3,       0.0);         ( 384473.9,
3817497.3,     968.1,    1591.3,       0.0);
     ( 384464.5, 3817475.3,     972.4,    1591.3,       0.0);         ( 384455.1,
3817453.3,     979.8,    1591.3,       0.0);
     ( 384445.7, 3817431.3,     986.1,    1150.0,       0.0);         ( 384436.3,
3817409.4,     991.8,    1150.0,       0.0);
     ( 384426.9, 3817387.4,     994.1,    1150.0,       0.0);         ( 384417.5,
3817365.4,     995.6,    1150.0,       0.0);
     ( 384408.1, 3817343.4,     996.4,    1150.0,       0.0);         ( 384398.7,
3817321.5,     995.7,    1150.0,       0.0);
     ( 384389.3, 3817299.5,     994.6,    1150.0,       0.0);         ( 384380.0,
3817277.5,     994.2,    1150.0,       0.0);
     ( 384370.6, 3817255.5,     992.6,    1150.0,       0.0);         ( 384361.2,
3817233.6,     987.7,    1150.0,       0.0);
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(384351.8, 3817211.6, 982.0, 1150.0, 0.0); (384342.4, 3817189.6, 976.2, 1150.0, 0.0);
(384333.0, 3817167.6, 973.1, 1150.0, 0.0); (384323.6, 3817145.7, 969.0, 1150.0, 0.0);
(384314.2, 3817123.7, 965.8, 1150.0, 0.0); (384304.8, 3817101.7, 963.3, 1150.0, 0.0);
(384295.4, 3817079.7, 958.7, 1150.0, 0.0); (384286.0, 3817057.8, 959.1, 1150.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(384276.6, 3817035.8, 959.5, 1150.0, 0.0); (384267.2, 3817013.8, 962.1, 1150.0, 0.0);
(384257.8, 3816991.8, 965.6, 1150.0, 0.0); (384248.4, 3816969.8, 967.4, 1150.0, 0.0);
(384239.0, 3816947.9, 967.0, 1150.0, 0.0); (384229.6, 3816925.9, 965.4, 1150.0, 0.0);
(384220.2, 3816903.9, 960.5, 1150.0, 0.0); (384210.8, 3816881.9, 956.8, 1150.0, 0.0);
(384201.5, 3816860.0, 964.0, 1149.4, 0.0); (384192.0, 3816838.0, 965.6, 1105.5, 0.0);
(384182.7, 3816816.0, 963.5, 1105.5, 0.0); (384173.3, 3816794.0, 962.5, 1105.5, 0.0);
(384163.9, 3816772.1, 960.6, 1105.5, 0.0); (384154.5, 3816750.1, 965.6, 1105.5, 0.0);
(384145.1, 3816728.1, 974.4, 1105.5, 0.0); (384135.7, 3816706.1, 980.8, 1105.5, 0.0);
(384126.3, 3816684.2, 984.4, 1105.5, 0.0); (394487.5, 3826971.3, 886.0, 1582.8, 0.0);
(394511.4, 3826971.7, 881.5, 1585.6, 0.0); (394535.4, 3826972.0, 879.8, 1584.3, 0.0);
(394559.3, 3826972.3, 878.8, 1583.0, 0.0); (394583.2, 3826972.6, 877.4, 1582.8, 0.0);
(394607.2, 3826973.0, 875.1, 1583.0, 0.0); (394631.1, 3826973.3, 873.1, 1582.8, 0.0);
(394655.0, 3826973.6, 871.6, 1582.8, 0.0); (394679.0, 3826974.0, 870.4, 1582.1, 0.0);
(394702.9, 3826974.3, 869.2, 1582.1, 0.0); (394726.8, 3826974.6, 867.0, 1582.1, 0.0);
(394750.7, 3826974.9, 864.7, 1582.1, 0.0); (394774.7, 3826975.3, 863.2, 1582.1, 0.0);

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    ( 394798.6, 3826975.6,     862.2,     988.9,       0.0);         ( 394822.5,
3826975.9,     861.1,     988.9,       0.0);
    ( 394846.5, 3826976.3,     857.9,     988.9,       0.0);         ( 394870.4,
3826976.6,     856.1,     988.9,       0.0);
    ( 394894.3, 3826976.9,     856.4,     988.9,       0.0);         ( 394918.3,
3826977.2,     857.7,     988.9,       0.0);
    ( 394447.2, 3828295.3,     828.1,     828.1,       0.0);         ( 394425.2,
3828286.0,     828.1,     828.1,       0.0);
    ( 394403.2, 3828276.8,     828.0,     828.0,       0.0);         ( 394381.1,
3828267.5,     827.8,     987.5,       0.0);
    ( 394359.1, 3828258.2,     827.8,     987.5,       0.0);         ( 394337.1,
3828249.0,     827.9,    1582.8,       0.0);
    ( 394315.1, 3828239.7,     827.9,    1583.0,       0.0);         ( 394293.1,
3828230.5,     827.9,    1586.4,       0.0);
    ( 394271.0, 3828221.2,     828.0,    1586.4,       0.0);         ( 394249.0,
3828211.9,     828.1,    1587.1,       0.0);
    ( 394227.0, 3828202.7,     828.4,    1587.1,       0.0);         ( 394205.0,
3828193.4,     828.9,    1587.1,       0.0);
    ( 394183.0, 3828184.2,     829.1,    1587.1,       0.0);         ( 394160.9,
3828174.9,     829.3,    1587.1,       0.0);
    ( 394138.9, 3828165.6,     829.5,    1587.1,       0.0);         ( 394116.9,
3828156.4,     831.1,    1587.1,       0.0);
    ( 394094.9, 3828147.1,     831.4,    1587.1,       0.0);         ( 394072.8,
3828137.9,     831.4,    1587.1,       0.0);
    ( 394050.8, 3828128.6,     832.0,    1587.1,       0.0);         ( 394028.8,
3828119.3,     832.4,    1587.1,       0.0);
    ( 394006.8, 3828110.1,     832.7,    1587.1,       0.0);         ( 393984.8,
3828100.8,     833.0,    1587.1,       0.0);
    ( 393962.8, 3828091.6,     833.7,    1587.1,       0.0);         ( 393940.7,
3828082.3,     833.6,    1587.1,       0.0);
    ( 393918.7, 3828073.0,     834.1,    1587.1,       0.0);         ( 393896.7,
3828063.8,     834.6,    1587.1,       0.0);
    ( 393874.7, 3828054.5,     835.3,    1587.1,       0.0);         ( 393852.6,
3828045.3,     835.7,    1587.1,       0.0);
    ( 393830.6, 3828036.0,     835.9,    1587.1,       0.0);         ( 393808.6,
3828026.7,     836.2,    1587.1,       0.0);
    ( 393786.6, 3828017.5,     836.2,    1587.1,       0.0);         ( 393764.5,
3828008.2,     836.0,    1587.1,       0.0);
    ( 393742.5, 3827999.0,     836.0,    1587.1,       0.0);         ( 393720.5,
3827989.7,     835.9,    1587.1,       0.0);
    ( 393698.5, 3827980.4,     836.4,    1587.1,       0.0);         ( 393676.5,
3827971.2,     836.6,    1587.1,       0.0);
    ( 393654.4, 3827961.9,     837.3,    1587.1,       0.0);         ( 393632.4,
3827952.7,     838.3,    1587.1,       0.0);
    ( 393610.4, 3827943.4,     839.6,    1587.1,       0.0);         ( 393588.4,
3827934.1,     840.4,    1587.1,       0.0);
    ( 393566.4, 3827924.9,     840.5,    1587.1,       0.0);         ( 393544.3,
3827915.6,     840.4,    1587.1,       0.0);
    ( 393522.3, 3827906.4,     840.5,    1587.1,       0.0);         ( 393500.3,
3827897.1,     840.9,    1587.1,       0.0);
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(393478.3, 3827887.8, 841.1, 1587.1, 0.0); (393456.2, 3827878.6, 841.6, 1587.1, 0.0);
(393434.2, 3827869.3, 842.0, 1587.1, 0.0); (393412.2, 3827860.1, 843.6, 1587.1, 0.0);
(393390.2, 3827850.8, 845.4, 1587.1, 0.0); (393368.2, 3827841.5, 846.8, 1587.1, 0.0);
(393346.1, 3827832.3, 847.3, 1587.1, 0.0); (393324.1, 3827823.0, 847.2, 1587.1, 0.0);
(393302.1, 3827813.8, 846.7, 1587.1, 0.0); (393280.1, 3827804.5, 847.1, 1587.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(393258.1, 3827795.2, 847.5, 1587.1, 0.0); (393236.0, 3827786.0, 847.9, 1587.1, 0.0);
(393214.0, 3827776.7, 848.4, 1587.1, 0.0); (393192.0, 3827767.5, 849.3, 1587.1, 0.0);
(393170.0, 3827758.2, 850.6, 1587.1, 0.0); (393148.0, 3827748.9, 850.8, 1587.1, 0.0);
(393125.9, 3827739.7, 849.3, 1587.1, 0.0); (393103.9, 3827730.4, 848.8, 1587.8, 0.0);
(393081.9, 3827721.1, 849.9, 1587.8, 0.0); (393059.9, 3827711.9, 851.2, 1587.9, 0.0);
(393037.8, 3827702.6, 850.4, 1587.9, 0.0); (393015.8, 3827693.4, 850.0, 1587.9, 0.0);
(392993.8, 3827684.1, 851.9, 1587.9, 0.0); (392971.8, 3827674.8, 851.8, 1587.9, 0.0);
(392949.8, 3827665.6, 851.7, 1587.9, 0.0); (392927.7, 3827656.3, 852.6, 1587.9, 0.0);
(392905.7, 3827647.1, 853.9, 1588.5, 0.0); (392883.7, 3827637.8, 854.4, 1588.5, 0.0);
(392861.7, 3827628.5, 852.6, 1588.5, 0.0); (392839.6, 3827619.3, 852.4, 1588.5, 0.0);
(392817.6, 3827610.0, 854.1, 1588.5, 0.0); (392795.6, 3827600.8, 853.7, 1588.5, 0.0);
(392773.6, 3827591.5, 852.5, 1590.4, 0.0); (392751.6, 3827582.2, 853.1, 1590.6, 0.0);
(392729.5, 3827573.0, 854.7, 1590.6, 0.0); (392707.5, 3827563.7, 854.5, 1590.6, 0.0);
(392685.5, 3827554.5, 853.2, 1590.6, 0.0); (392663.5, 3827545.2, 853.8, 1590.6, 0.0);

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     ( 392641.5, 3827535.9,     855.2,    1590.6,       0.0);         ( 392619.4,
3827526.7,     854.2,    1590.6,       0.0);
     ( 392597.4, 3827517.4,     852.3,    1591.3,       0.0);         ( 392575.4,
3827508.2,     852.9,    1591.3,       0.0);
     ( 392553.4, 3827498.9,     854.3,    1591.3,       0.0);         ( 392531.3,
3827489.6,     852.1,    1591.3,       0.0);
     ( 392509.3, 3827480.4,     851.8,    1591.3,       0.0);         ( 392487.3,
3827471.1,     852.8,    1591.3,       0.0);
     ( 392465.3, 3827461.9,     854.0,    1591.3,       0.0);         ( 392443.3,
3827452.6,     854.5,    1591.3,       0.0);
     ( 392421.2, 3827443.3,     855.2,    1591.3,       0.0);         ( 392399.2,
3827434.1,     856.3,    1591.3,       0.0);
     ( 392377.2, 3827424.8,     861.6,    1591.3,       0.0);         ( 392355.2,
3827415.6,     866.5,    1591.3,       0.0);
     ( 392333.2, 3827406.3,     868.3,    1591.3,       0.0);         ( 392311.1,
3827397.0,     864.7,    1591.3,       0.0);
     ( 392289.1, 3827387.8,     859.7,    1591.3,       0.0);         ( 392267.1,
3827378.5,     858.9,    1591.3,       0.0);
     ( 392245.1, 3827369.3,     856.4,    1591.3,       0.0);         ( 392223.0,
3827360.0,     855.2,    1591.3,       0.0);
     ( 392201.0, 3827350.7,     853.0,    1591.3,       0.0);         ( 392179.0,
3827341.5,     854.0,    1591.3,       0.0);
     ( 392157.0, 3827332.2,     855.2,    1591.3,       0.0);         ( 392135.0,
3827323.0,     855.7,    1591.3,       0.0);
     ( 392112.9, 3827313.7,     855.7,    1591.3,       0.0);         ( 392090.9,
3827304.4,     855.7,    1591.3,       0.0);
     ( 392068.9, 3827295.2,     856.0,    1591.3,       0.0);         ( 392046.9,
3827285.9,     856.0,    1591.3,       0.0);
     ( 392024.9, 3827276.7,     856.4,    1591.3,       0.0);         ( 392002.8,
3827267.4,     858.9,    1591.3,       0.0);
     ( 391980.8, 3827258.1,     859.2,    1591.3,       0.0);         ( 391958.8,
3827248.9,     857.5,    1591.3,       0.0);
     ( 391936.8, 3827239.6,     857.0,    1591.3,       0.0);         ( 391914.8,
3827230.4,     857.5,    1591.3,       0.0);
     ( 391892.7, 3827221.1,     857.9,    1591.3,       0.0);         ( 391870.7,
3827211.8,     859.5,    1591.3,       0.0);
     ( 391848.7, 3827202.6,     866.6,    1591.3,       0.0);         ( 391826.7,
3827193.3,     874.9,    1591.3,       0.0);
     ( 391804.6, 3827184.1,     882.1,    1591.3,       0.0);         ( 391782.6,
3827174.8,     885.8,    1591.3,       0.0);
     ( 391760.6, 3827165.5,     887.6,    1591.3,       0.0);         ( 391738.6,
3827156.3,     890.7,    1591.3,       0.0);
     ( 391716.6, 3827147.0,     892.7,    1591.3,       0.0);         ( 391694.5,
3827137.8,     894.5,    1591.3,       0.0);
     ( 391672.5, 3827128.5,     896.9,    1591.3,       0.0);         ( 391650.5,
3827119.2,     897.7,    1591.3,       0.0);
     ( 391628.5, 3827110.0,     897.8,    1591.3,       0.0);         ( 391606.5,
3827100.7,     898.2,    1591.3,       0.0);
     ( 391584.4, 3827091.5,     899.9,    1591.3,       0.0);         ( 391562.4,
3827082.2,     900.3,    1591.3,       0.0);
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(391540.4, 3827072.9, 899.4, 1591.3, 0.0); (391518.4, 3827063.7, 899.3, 1591.3, 0.0);
(391496.3, 3827054.4, 899.6, 1591.3, 0.0); (391474.3, 3827045.2, 899.1, 1591.3, 0.0);
(391452.3, 3827035.9, 896.2, 1591.3, 0.0); (391430.3, 3827026.6, 899.6, 1591.3, 0.0);
(391408.3, 3827017.4, 901.3, 1591.3, 0.0); (391386.2, 3827008.1, 901.8, 1591.3, 0.0);
(391364.2, 3826998.9, 902.0, 1591.3, 0.0); (391342.2, 3826989.6, 902.4, 1591.3, 0.0);
(391320.2, 3826980.3, 902.7, 1591.3, 0.0); (391298.1, 3826971.1, 902.7, 1591.3, 0.0);

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

(391276.1, 3826961.8, 902.4, 1591.3, 0.0); (391254.1, 3826952.5, 901.8, 1591.3, 0.0);
(391232.1, 3826943.3, 901.9, 1591.3, 0.0); (391210.1, 3826934.0, 901.8, 1591.3, 0.0);
(391188.0, 3826924.8, 901.3, 1591.3, 0.0); (391166.0, 3826915.5, 901.1, 1591.3, 0.0);
(391144.0, 3826906.2, 901.2, 1591.3, 0.0); (391122.0, 3826897.0, 901.5, 1591.3, 0.0);
(391100.0, 3826887.7, 901.8, 1591.3, 0.0); (391077.9, 3826878.5, 902.3, 1591.3, 0.0);
(391055.9, 3826869.2, 902.5, 1591.3, 0.0); (391033.9, 3826859.9, 902.8, 1591.3, 0.0);
(391011.9, 3826850.7, 903.0, 1591.3, 0.0); (390989.8, 3826841.4, 902.7, 1591.3, 0.0);
(390967.8, 3826832.2, 903.1, 1591.3, 0.0); (390945.8, 3826822.9, 903.5, 1591.3, 0.0);
(390923.8, 3826813.6, 904.0, 1591.3, 0.0); (390901.8, 3826804.4, 904.4, 1591.3, 0.0);
(390879.7, 3826795.1, 904.9, 1591.3, 0.0); (390857.7, 3826785.9, 905.4, 1591.3, 0.0);
(390835.7, 3826776.6, 905.8, 1591.3, 0.0); (390813.7, 3826767.3, 906.3, 1591.3, 0.0);
(390791.6, 3826758.1, 906.6, 1591.3, 0.0); (390769.6, 3826748.8, 906.6, 1591.3, 0.0);
(390747.6, 3826739.6, 906.5, 1591.3, 0.0); (390725.6, 3826730.3, 906.8, 1591.3, 0.0);

```
     ( 390703.6, 3826721.0,     907.8,    1591.3,       0.0);         ( 390681.5,
3826711.8,     908.3,    1591.3,       0.0);
     ( 390659.5, 3826702.5,     908.9,    1591.3,       0.0);         ( 390637.5,
3826693.3,     909.6,    1591.3,       0.0);
     ( 390615.5, 3826684.0,     910.5,    1591.3,       0.0);         ( 390593.5,
3826674.8,     911.1,    1591.3,       0.0);
     ( 390571.4, 3826665.5,     911.6,    1591.3,       0.0);         ( 390549.4,
3826656.2,     911.8,    1591.3,       0.0);
     ( 390527.4, 3826647.0,     911.8,    1591.3,       0.0);         ( 390505.4,
3826637.7,     911.9,    1591.3,       0.0);
     ( 390483.3, 3826628.4,     912.5,    1591.3,       0.0);         ( 390461.3,
3826619.2,     913.4,    1591.3,       0.0);
     ( 390439.3, 3826609.9,     914.1,    1591.3,       0.0);         ( 390417.3,
3826600.7,     914.6,    1591.3,       0.0);
     ( 390395.3, 3826591.4,     915.0,    1591.3,       0.0);         ( 390373.2,
3826582.1,     915.5,    1591.3,       0.0);
     ( 390351.2, 3826572.9,     915.9,    1591.3,       0.0);         ( 390329.2,
3826563.6,     916.2,    1591.3,       0.0);
     ( 390307.2, 3826554.4,     916.7,    1591.3,       0.0);         ( 390285.2,
3826545.1,     917.0,    1591.3,       0.0);
     ( 390263.1, 3826535.8,     917.5,    1591.3,       0.0);         ( 390241.1,
3826526.6,     918.0,    1591.3,       0.0);
     ( 390219.1, 3826517.3,     918.3,    1591.3,       0.0);         ( 390197.1,
3826508.1,     918.2,    1591.3,       0.0);
     ( 390175.0, 3826498.8,     919.2,    1591.3,       0.0);         ( 390153.0,
3826489.5,     920.2,    1591.3,       0.0);
     ( 390131.0, 3826480.3,     920.7,    1591.3,       0.0);         ( 390109.0,
3826471.0,     921.3,    1591.3,       0.0);
     ( 390087.0, 3826461.8,     921.9,    1591.3,       0.0);         ( 390065.0,
3826452.5,     922.5,    1591.3,       0.0);
     ( 390042.9, 3826443.2,     923.1,    1591.3,       0.0);         ( 390020.9,
3826434.0,     923.8,    1591.3,       0.0);
     ( 389998.9, 3826424.7,     924.4,    1591.3,       0.0);         ( 389976.9,
3826415.5,     924.9,    1591.3,       0.0);
     ( 389954.8, 3826406.2,     925.4,    1591.3,       0.0);         ( 389932.8,
3826396.9,     926.1,    1591.3,       0.0);
     ( 389910.8, 3826387.7,     927.4,    1591.3,       0.0);         ( 389888.8,
3826378.4,     926.8,    1591.3,       0.0);
     ( 389866.8, 3826369.2,     926.6,    1591.3,       0.0);         ( 389844.7,
3826359.9,     928.0,    1591.3,       0.0);
     ( 389822.7, 3826350.6,     928.7,    1591.3,       0.0);         ( 389800.7,
3826341.4,     929.3,    1591.3,       0.0);
     ( 389778.7, 3826332.1,     929.9,    1591.3,       0.0);         ( 389756.6,
3826322.9,     930.6,    1591.3,       0.0);
     ( 389734.6, 3826313.6,     931.2,    1591.3,       0.0);         ( 389712.6,
3826304.3,     931.8,    1591.3,       0.0);
     ( 389690.6, 3826295.1,     932.5,    1591.3,       0.0);         ( 389668.6,
3826285.8,     933.0,    1591.3,       0.0);
     ( 389646.5, 3826276.6,     933.7,    1591.3,       0.0);         ( 389624.5,
3826267.3,     934.4,    1591.3,       0.0);
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(389602.5, 3826258.0, 935.0, 1591.3, 0.0); (389580.5, 3826248.8, 935.5, 1591.3, 0.0);
(389558.5, 3826239.5, 936.1, 1591.3, 0.0); (389536.4, 3826230.3, 936.6, 1591.3, 0.0);
(389514.4, 3826221.0, 937.0, 1591.3, 0.0); (389492.4, 3826211.7, 937.6, 1591.3, 0.0);
(389470.4, 3826202.5, 938.2, 1591.3, 0.0); (389448.3, 3826193.2, 938.9, 1591.3, 0.0);
(389426.3, 3826184.0, 939.6, 1591.3, 0.0); (389404.3, 3826174.7, 940.0, 1591.3, 0.0);
(389382.3, 3826165.4, 940.9, 1591.3, 0.0); (389360.3, 3826156.2, 941.5, 1591.3, 0.0);
(389338.2, 3826146.9, 941.9, 1591.3, 0.0); (389316.2, 3826137.6, 942.8, 1591.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(389294.2, 3826128.4, 943.7, 1591.3, 0.0); (389272.2, 3826119.1, 944.5, 1591.3, 0.0);
(389250.1, 3826109.9, 945.4, 1591.3, 0.0); (389228.1, 3826100.6, 946.3, 1591.3, 0.0);
(389206.1, 3826091.3, 947.4, 1591.3, 0.0); (389184.1, 3826082.1, 949.1, 1591.3, 0.0);
(389162.1, 3826072.8, 952.4, 1591.3, 0.0); (389140.0, 3826063.6, 957.6, 1591.3, 0.0);
(389118.0, 3826054.3, 965.2, 1591.3, 0.0); (389096.0, 3826045.0, 973.4, 1591.3, 0.0);
(389074.0, 3826035.8, 981.0, 1591.3, 0.0); (389052.0, 3826026.5, 989.2, 1591.3, 0.0);
(389029.9, 3826017.3, 989.1, 1591.3, 0.0); (389007.9, 3826008.0, 982.5, 1591.3, 0.0);
(388985.9, 3825998.8, 974.6, 1591.3, 0.0); (388963.9, 3825989.5, 970.0, 1591.3, 0.0);
(388941.8, 3825980.2, 968.1, 1591.3, 0.0); (388919.8, 3825971.0, 968.6, 1591.3, 0.0);
(388897.8, 3825961.7, 971.4, 1591.3, 0.0); (388875.8, 3825952.4, 974.0, 1591.3, 0.0);
(388853.8, 3825943.2, 975.0, 1591.3, 0.0); (388831.7, 3825933.9, 976.7, 1591.3, 0.0);
(388809.7, 3825924.7, 981.5, 1591.3, 0.0); (388787.7, 3825915.4, 990.0, 1591.3, 0.0);

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     ( 388765.7, 3825906.1,    1000.6,    1591.3,       0.0);         ( 388743.7,
3825896.9,    1012.5,    1591.3,       0.0);
     ( 388721.6, 3825887.6,    1022.9,    1591.3,       0.0);         ( 388699.6,
3825878.4,    1026.4,    1591.3,       0.0);
     ( 388677.6, 3825869.1,    1024.3,    1591.3,       0.0);         ( 388655.6,
3825859.8,    1018.6,    1591.3,       0.0);
     ( 388633.5, 3825850.6,    1010.5,    1591.3,       0.0);         ( 388611.5,
3825841.3,    1006.1,    1591.3,       0.0);
     ( 388589.5, 3825832.1,    1014.0,    1591.3,       0.0);         ( 388567.5,
3825822.8,    1017.6,    1591.3,       0.0);
     ( 388545.5, 3825813.5,    1019.0,    1591.3,       0.0);         ( 388523.4,
3825804.3,    1019.4,    1591.3,       0.0);
     ( 388501.4, 3825795.0,    1019.4,    1591.3,       0.0);         ( 388479.4,
3825785.8,    1020.3,    1591.3,       0.0);
     ( 388457.4, 3825776.5,    1026.1,    1591.3,       0.0);         ( 388435.4,
3825767.2,    1031.8,    1591.3,       0.0);
     ( 388413.3, 3825758.0,    1040.8,    1591.3,       0.0);         ( 388391.3,
3825748.7,    1051.1,    1591.3,       0.0);
     ( 388369.3, 3825739.5,    1062.5,    1591.3,       0.0);         ( 388347.3,
3825730.2,    1071.2,    1591.3,       0.0);
     ( 388325.2, 3825720.9,    1076.1,    1591.3,       0.0);         ( 388303.2,
3825711.7,    1077.3,    1591.3,       0.0);
     ( 388281.2, 3825702.4,    1070.9,    1591.3,       0.0);         ( 388259.2,
3825693.2,    1061.1,    1591.3,       0.0);
     ( 388237.2, 3825683.9,    1051.6,    1591.3,       0.0);         ( 388215.1,
3825674.6,    1052.7,    1591.3,       0.0);
     ( 388193.1, 3825665.4,    1059.8,    1591.3,       0.0);         ( 388171.1,
3825656.1,    1062.8,    1591.3,       0.0);
     ( 388149.1, 3825646.9,    1063.9,    1591.3,       0.0);         ( 388127.1,
3825637.6,    1062.5,    1591.3,       0.0);
     ( 388105.0, 3825628.3,    1053.7,    1591.3,       0.0);         ( 388083.0,
3825619.1,    1044.2,    1591.3,       0.0);
     ( 388061.0, 3825609.8,    1038.6,    1591.3,       0.0);         ( 388039.0,
3825600.6,    1040.0,    1591.3,       0.0);
     ( 388017.0, 3825591.3,    1045.1,    1591.3,       0.0);         ( 387994.9,
3825582.0,    1046.2,    1591.3,       0.0);
     ( 387972.9, 3825572.8,    1052.6,    1591.3,       0.0);         ( 387950.9,
3825563.5,    1061.7,    1591.3,       0.0);
     ( 387928.9, 3825554.3,    1069.9,    1591.3,       0.0);         ( 387906.8,
3825545.0,    1075.4,    1591.3,       0.0);
     ( 387884.8, 3825535.7,    1075.8,    1591.3,       0.0);         ( 387862.8,
3825526.5,    1071.1,    1591.3,       0.0);
     ( 387840.8, 3825517.2,    1068.5,    1591.3,       0.0);         ( 387818.8,
3825508.0,    1068.5,    1591.3,       0.0);
     ( 387796.7, 3825498.7,    1071.1,    1591.3,       0.0);         ( 387774.7,
3825489.4,    1068.7,    1591.3,       0.0);
     ( 387752.7, 3825480.2,    1063.7,    1591.3,       0.0);         ( 387730.7,
3825470.9,    1057.3,    1591.3,       0.0);
     ( 387708.6, 3825461.7,    1049.4,    1591.3,       0.0);         ( 387686.6,
3825452.4,    1046.5,    1591.3,       0.0);
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(387664.6, 3825443.1, 1051.6, 1591.3, 0.0); (387642.6, 3825433.9, 1059.0, 1591.3, 0.0);
(387620.6, 3825424.6, 1063.3, 1591.3, 0.0); (387598.5, 3825415.4, 1067.0, 1591.3, 0.0);
(387576.5, 3825406.1, 1072.6, 1591.3, 0.0); (387554.5, 3825396.8, 1077.1, 1591.3, 0.0);
(387532.5, 3825387.6, 1079.5, 1591.3, 0.0); (387510.5, 3825378.3, 1080.7, 1591.3, 0.0);
(387488.4, 3825369.0, 1087.9, 1591.3, 0.0); (387466.4, 3825359.8, 1087.9, 1591.3, 0.0);
(387444.4, 3825350.5, 1079.0, 1591.3, 0.0); (387422.4, 3825341.3, 1073.8, 1591.3, 0.0);
(387400.3, 3825332.0, 1077.5, 1591.3, 0.0); (387378.3, 3825322.8, 1086.7, 1591.3, 0.0);
(387356.3, 3825313.5, 1096.3, 1591.3, 0.0); (387334.3, 3825304.2, 1105.8, 1591.3, 0.0);

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

(387312.3, 3825295.0, 1114.2, 1591.3, 0.0); (387290.2, 3825285.7, 1122.6, 1591.3, 0.0);
(387268.2, 3825276.4, 1133.5, 1591.3, 0.0); (387246.2, 3825267.2, 1146.0, 1591.3, 0.0);
(387224.2, 3825257.9, 1157.5, 1591.3, 0.0); (387202.2, 3825248.7, 1167.4, 1591.3, 0.0);
(387180.1, 3825239.4, 1179.5, 1591.3, 0.0); (387158.1, 3825230.1, 1188.7, 1591.3, 0.0);
(387136.1, 3825220.9, 1195.3, 1591.3, 0.0); (387114.1, 3825211.6, 1201.4, 1591.3, 0.0);
(387092.0, 3825202.4, 1208.5, 1591.3, 0.0); (387070.0, 3825193.1, 1215.2, 1591.3, 0.0);
(387048.0, 3825183.8, 1218.8, 1591.3, 0.0); (387026.0, 3825174.6, 1217.2, 1591.3, 0.0);
(387004.0, 3825165.3, 1211.2, 1591.3, 0.0); (386981.9, 3825156.1, 1203.8, 1591.3, 0.0);
(386959.9, 3825146.8, 1199.8, 1591.3, 0.0); (386937.9, 3825137.5, 1206.4, 1591.3, 0.0);
(386915.9, 3825128.3, 1221.6, 1591.3, 0.0); (386893.9, 3825119.0, 1232.2, 1591.3, 0.0);
(386871.8, 3825109.8, 1241.4, 1591.3, 0.0); (386849.8, 3825100.5, 1239.8, 1591.3, 0.0);

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    ( 386827.8, 3825091.2,    1236.9,    1591.3,       0.0);         ( 386805.8,
3825082.0,    1233.5,    1591.3,       0.0);
    ( 386783.8, 3825072.7,    1232.2,    1591.3,       0.0);         ( 386761.7,
3825063.5,    1234.3,    1591.3,       0.0);
    ( 386739.7, 3825054.2,    1237.6,    1591.3,       0.0);         ( 386717.7,
3825044.9,    1240.8,    1591.3,       0.0);
    ( 386695.7, 3825035.7,    1244.8,    1591.3,       0.0);         ( 386673.6,
3825026.4,    1251.6,    1591.3,       0.0);
    ( 386651.6, 3825017.2,    1260.9,    1591.3,       0.0);         ( 386629.6,
3825007.9,    1269.2,    1591.3,       0.0);
    ( 386607.6, 3824998.6,    1274.3,    1591.3,       0.0);         ( 386585.6,
3824989.4,    1276.0,    1591.3,       0.0);
    ( 386563.5, 3824980.1,    1274.1,    1591.3,       0.0);         ( 386541.5,
3824970.9,    1270.1,    1591.3,       0.0);
    ( 386519.5, 3824961.6,    1267.9,    1591.3,       0.0);         ( 386497.5,
3824952.3,    1268.0,    1591.3,       0.0);
    ( 386475.5, 3824943.1,    1269.2,    1591.3,       0.0);         ( 386453.4,
3824933.8,    1267.0,    1591.3,       0.0);
    ( 386431.4, 3824924.6,    1262.2,    1591.3,       0.0);         ( 386409.4,
3824915.3,    1262.5,    1591.3,       0.0);
    ( 386387.4, 3824906.0,    1258.1,    1591.3,       0.0);         ( 386365.3,
3824896.8,    1257.3,    1591.3,       0.0);
    ( 386343.3, 3824887.5,    1257.1,    1591.3,       0.0);         ( 386321.3,
3824878.3,    1256.4,    1591.3,       0.0);
    ( 386299.3, 3824869.0,    1254.0,    1591.3,       0.0);         ( 386267.9,
3824837.8,    1241.1,    1591.3,       0.0);
    ( 386258.5, 3824815.8,    1232.6,    1591.3,       0.0);         ( 386249.1,
3824793.8,    1224.6,    1591.3,       0.0);
    ( 386239.7, 3824771.9,    1216.7,    1591.3,       0.0);         ( 386230.3,
3824749.9,    1207.2,    1591.3,       0.0);
    ( 386220.9, 3824727.9,    1207.2,    1591.3,       0.0);         ( 386211.5,
3824706.0,    1214.2,    1591.3,       0.0);
    ( 386202.1, 3824684.0,    1224.0,    1591.3,       0.0);         ( 386192.7,
3824662.0,    1235.1,    1591.3,       0.0);
    ( 386183.3, 3824640.1,    1243.0,    1591.3,       0.0);         ( 386174.0,
3824618.1,    1246.9,    1591.3,       0.0);
    ( 386164.6, 3824596.1,    1246.1,    1591.3,       0.0);         ( 386155.2,
3824574.2,    1241.5,    1591.3,       0.0);
    ( 386145.8, 3824552.2,    1236.2,    1591.3,       0.0);         ( 386136.4,
3824530.2,    1231.4,    1591.3,       0.0);
    ( 386127.0, 3824508.3,    1228.3,    1591.3,       0.0);         ( 386117.6,
3824486.3,    1227.0,    1591.3,       0.0);
    ( 386108.2, 3824464.3,    1229.5,    1591.3,       0.0);         ( 386098.8,
3824442.4,    1239.1,    1591.3,       0.0);
    ( 386089.4, 3824420.4,    1252.3,    1591.3,       0.0);         ( 386080.0,
3824398.5,    1264.7,    1591.3,       0.0);
    ( 386070.6, 3824376.5,    1275.6,    1591.3,       0.0);         ( 386061.3,
3824354.5,    1285.0,    1591.3,       0.0);
    ( 386051.9, 3824332.6,    1295.4,    1591.3,       0.0);         ( 386042.5,
3824310.6,    1305.6,    1591.3,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(385864.0, 3823893.2, 1411.0, 1591.3, 0.0); (385854.7,
3823871.3, 1407.7, 1591.3, 0.0);
(385845.3, 3823849.3, 1404.0, 1591.3, 0.0); (385835.9,
3823827.3, 1401.4, 1591.3, 0.0);
(385826.5, 3823805.4, 1401.2, 1591.3, 0.0); (385817.1,
3823783.4, 1402.1, 1591.3, 0.0);
(385807.7, 3823761.4, 1403.5, 1591.3, 0.0); (385798.3,
3823739.5, 1401.4, 1591.3, 0.0);
(385788.9, 3823717.5, 1394.5, 1591.3, 0.0); (385779.5,
3823695.5, 1387.8, 1591.3, 0.0);
(385770.1, 3823673.6, 1387.2, 1591.3, 0.0); (385760.8,
3823651.6, 1395.4, 1591.3, 0.0);
(385751.4, 3823629.6, 1401.0, 1591.3, 0.0); (385742.0,
3823607.7, 1404.7, 1591.3, 0.0);
(385732.6, 3823585.7, 1407.7, 1591.3, 0.0); (385723.2,
3823563.8, 1408.8, 1591.3, 0.0);
(385713.8, 3823541.8, 1407.3, 1591.3, 0.0); (385704.4,
3823519.8, 1402.9, 1591.3, 0.0);
(385695.0, 3823497.8, 1399.4, 1591.3, 0.0); (385685.6,
3823475.9, 1398.9, 1591.3, 0.0);

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     ( 385676.2, 3823453.9,    1399.0,    1591.3,       0.0);         ( 385666.8,
3823431.9,    1401.1,    1591.3,       0.0);
     ( 385657.5, 3823410.0,    1399.0,    1591.3,       0.0);         ( 385648.1,
3823388.0,    1395.1,    1591.3,       0.0);
     ( 385638.7, 3823366.0,    1393.2,    1591.3,       0.0);         ( 385629.3,
3823344.1,    1394.4,    1591.3,       0.0);
     ( 385619.9, 3823322.1,    1394.9,    1591.3,       0.0);         ( 385610.5,
3823300.1,    1395.9,    1591.3,       0.0);
     ( 385601.1, 3823278.2,    1395.9,    1591.3,       0.0);         ( 385591.7,
3823256.2,    1394.2,    1591.3,       0.0);
     ( 385582.3, 3823234.3,    1392.7,    1591.3,       0.0);         ( 385572.9,
3823212.3,    1390.8,    1591.3,       0.0);
     ( 385563.5, 3823190.3,    1390.0,    1591.3,       0.0);         ( 385554.1,
3823168.4,    1389.4,    1591.3,       0.0);
     ( 385544.8, 3823146.4,    1389.1,    1591.3,       0.0);         ( 385535.4,
3823124.4,    1388.9,    1591.3,       0.0);
     ( 385526.0, 3823102.5,    1388.1,    1591.3,       0.0);         ( 385516.6,
3823080.5,    1387.6,    1591.3,       0.0);
     ( 385507.2, 3823058.5,    1388.1,    1591.3,       0.0);         ( 385497.8,
3823036.6,    1389.7,    1591.3,       0.0);
     ( 385488.4, 3823014.6,    1390.1,    1591.3,       0.0);         ( 385479.0,
3822992.6,    1387.1,    1591.3,       0.0);
     ( 385469.6, 3822970.7,    1380.8,    1591.3,       0.0);         ( 385460.2,
3822948.7,    1377.2,    1591.3,       0.0);
     ( 385450.8, 3822926.7,    1380.6,    1591.3,       0.0);         ( 385441.5,
3822904.8,    1388.9,    1591.3,       0.0);
     ( 385432.1, 3822882.8,    1396.5,    1591.3,       0.0);         ( 385422.7,
3822860.8,    1398.8,    1591.3,       0.0);
     ( 385413.3, 3822838.9,    1398.9,    1591.3,       0.0);         ( 385403.9,
3822816.9,    1398.2,    1591.3,       0.0);
     ( 385394.5, 3822794.9,    1397.2,    1591.3,       0.0);         ( 385385.1,
3822773.0,    1402.2,    1591.3,       0.0);
     ( 385375.7, 3822751.0,    1407.5,    1591.3,       0.0);         ( 385366.3,
3822729.0,    1407.6,    1591.3,       0.0);
     ( 385356.9, 3822707.1,    1402.8,    1591.3,       0.0);         ( 385347.5,
3822685.1,    1398.6,    1591.3,       0.0);
     ( 385338.2, 3822663.1,    1396.0,    1591.3,       0.0);         ( 385328.8,
3822641.2,    1391.0,    1591.3,       0.0);
     ( 385319.4, 3822619.2,    1387.1,    1591.3,       0.0);         ( 385310.0,
3822597.2,    1379.8,    1591.3,       0.0);
     ( 385300.6, 3822575.3,    1375.7,    1591.3,       0.0);         ( 385291.2,
3822553.3,    1371.0,    1591.3,       0.0);
     ( 385281.8, 3822531.3,    1364.2,    1591.3,       0.0);         ( 385272.4,
3822509.4,    1356.4,    1591.3,       0.0);
     ( 385263.0, 3822487.4,    1348.4,    1591.3,       0.0);         ( 385253.6,
3822465.4,    1339.0,    1591.3,       0.0);
     ( 385244.2, 3822443.5,    1329.8,    1591.3,       0.0);         ( 385234.9,
3822421.5,    1321.2,    1591.3,       0.0);
     ( 385225.5, 3822399.5,    1314.1,    1591.3,       0.0);         ( 385216.1,
3822377.6,    1308.2,    1591.3,       0.0);
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(385206.7, 3822355.6, 1303.9, 1591.3, 0.0); (385197.3,
3822333.6, 1296.3, 1591.3, 0.0);
(385187.9, 3822311.7, 1288.1, 1591.3, 0.0); (385178.5,
3822289.7, 1279.7, 1591.3, 0.0);
(385169.1, 3822267.8, 1272.0, 1591.3, 0.0); (385159.7,
3822245.8, 1269.6, 1591.3, 0.0);
(385150.3, 3822223.8, 1270.5, 1591.3, 0.0); (385141.0,
3822201.8, 1270.0, 1591.3, 0.0);
(385131.6, 3822179.9, 1264.2, 1591.3, 0.0); (385122.2,
3822157.9, 1256.2, 1591.3, 0.0);
(385112.8, 3822135.9, 1247.1, 1591.3, 0.0); (385103.4,
3822114.0, 1238.3, 1591.3, 0.0);
(385094.0, 3822092.0, 1229.9, 1591.3, 0.0); (385084.6,
3822070.1, 1222.4, 1591.3, 0.0);
(385075.2, 3822048.1, 1215.8, 1591.3, 0.0); (385065.8,
3822026.1, 1203.7, 1591.3, 0.0);
(385056.4, 3822004.2, 1196.4, 1591.3, 0.0); (385047.0,
3821982.2, 1189.5, 1591.3, 0.0);
(385037.6, 3821960.2, 1185.0, 1591.3, 0.0); (385028.3,
3821938.3, 1178.0, 1591.3, 0.0);

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

(385018.9, 3821916.3, 1171.9, 1591.3, 0.0); (385009.5,
3821894.3, 1163.9, 1591.3, 0.0);
(385000.1, 3821872.4, 1150.1, 1591.3, 0.0); (384990.7,
3821850.4, 1141.7, 1591.3, 0.0);
(384981.3, 3821828.4, 1134.5, 1591.3, 0.0); (384971.9,
3821806.5, 1128.5, 1591.3, 0.0);
(384962.5, 3821784.5, 1124.4, 1591.3, 0.0); (384953.1,
3821762.5, 1122.2, 1591.3, 0.0);
(384943.7, 3821740.6, 1121.2, 1591.3, 0.0); (384934.3,
3821718.6, 1118.1, 1591.3, 0.0);
(384925.0, 3821696.6, 1112.8, 1591.3, 0.0); (384915.6,
3821674.7, 1107.0, 1591.3, 0.0);
(384906.2, 3821652.7, 1099.2, 1591.3, 0.0); (384896.8,
3821630.7, 1090.0, 1591.3, 0.0);
(384887.4, 3821608.8, 1081.3, 1591.3, 0.0); (384878.0,
3821586.8, 1073.5, 1591.3, 0.0);
(384868.6, 3821564.8, 1068.8, 1591.3, 0.0); (384859.2,
3821542.9, 1064.1, 1591.3, 0.0);

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     ( 384849.8, 3821520.9,    1060.1,    1591.3,       0.0);         ( 384840.4,
3821498.9,    1057.3,    1591.3,       0.0);
     ( 384831.0, 3821477.0,    1054.3,    1591.3,       0.0);         ( 384821.7,
3821455.0,    1051.2,    1591.3,       0.0);
     ( 384812.3, 3821433.0,    1047.9,    1591.3,       0.0);         ( 384802.9,
3821411.1,    1044.7,    1591.3,       0.0);
     ( 384793.5, 3821389.1,    1041.6,    1591.3,       0.0);         ( 384784.1,
3821367.1,    1038.5,    1591.3,       0.0);
     ( 384774.7, 3821345.2,    1035.9,    1591.3,       0.0);         ( 384765.3,
3821323.2,    1033.3,    1591.3,       0.0);
     ( 384755.9, 3821301.2,    1030.8,    1591.3,       0.0);         ( 384746.5,
3821279.3,    1028.2,    1591.3,       0.0);
     ( 384737.1, 3821257.3,    1025.5,    1591.3,       0.0);         ( 384727.8,
3821235.3,    1022.8,    1591.3,       0.0);
     ( 384718.3, 3821213.4,    1020.1,    1591.3,       0.0);         ( 384709.0,
3821191.4,    1017.5,    1591.3,       0.0);
     ( 384699.6, 3821169.4,    1015.2,    1591.3,       0.0);         ( 384690.2,
3821147.5,    1013.0,    1591.3,       0.0);
     ( 384680.8, 3821125.5,    1010.8,    1591.3,       0.0);         ( 384671.4,
3821103.5,    1008.7,    1591.3,       0.0);
     ( 384662.0, 3821081.6,    1006.7,    1591.3,       0.0);         ( 384652.6,
3821059.6,    1004.6,    1591.3,       0.0);
     ( 384643.2, 3821037.6,    1002.5,    1591.3,       0.0);         ( 384633.8,
3821015.7,    1000.5,    1591.3,       0.0);
     ( 384624.4, 3820993.7,     998.2,    1591.3,       0.0);         ( 384615.0,
3820971.8,     996.4,    1591.3,       0.0);
     ( 384605.7, 3820949.8,     995.3,    1591.3,       0.0);         ( 384596.3,
3820927.8,     993.9,    1591.3,       0.0);
     ( 384586.9, 3820905.9,     992.2,    1591.3,       0.0);         ( 384577.5,
3820883.9,     990.5,    1591.3,       0.0);
     ( 384568.1, 3820861.9,     988.5,    1591.3,       0.0);         ( 384558.7,
3820840.0,     988.2,    1591.3,       0.0);
     ( 384549.3, 3820818.0,     986.8,    1591.3,       0.0);         ( 384539.9,
3820796.0,     985.5,    1591.3,       0.0);
     ( 384530.5, 3820774.1,     988.5,    1591.3,       0.0);         ( 384521.1,
3820752.1,     990.4,    1591.3,       0.0);
     ( 384511.8, 3820730.1,     992.2,    1591.3,       0.0);         ( 384502.4,
3820708.2,     998.5,    1591.3,       0.0);
     ( 384493.0, 3820686.2,    1002.9,    1591.3,       0.0);         ( 384483.6,
3820664.2,    1003.6,    1591.3,       0.0);
     ( 384474.2, 3820642.3,     998.2,    1591.3,       0.0);         ( 384464.8,
3820620.3,     995.0,    1591.3,       0.0);
     ( 384455.4, 3820598.3,     994.7,    1591.3,       0.0);         ( 384446.0,
3820576.4,     994.1,    1591.3,       0.0);
     ( 384436.6, 3820554.4,     990.6,    1591.3,       0.0);         ( 384427.2,
3820532.4,     984.2,    1591.3,       0.0);
     ( 384417.8, 3820510.5,     978.2,    1591.3,       0.0);         ( 384408.5,
3820488.5,     973.8,    1591.3,       0.0);
     ( 384399.1, 3820466.5,     971.3,    1591.3,       0.0);         ( 384389.7,
3820444.6,     970.8,    1591.3,       0.0);
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(384380.3, 3820422.6, 971.6, 1591.3, 0.0); (384370.9, 3820400.6, 972.5, 1591.3, 0.0);
(384361.5, 3820378.7, 974.1, 1591.3, 0.0); (384352.1, 3820356.7, 976.5, 1591.3, 0.0);
(384342.7, 3820334.7, 978.2, 1591.3, 0.0); (384333.3, 3820312.8, 977.9, 1591.3, 0.0);
(384323.9, 3820290.8, 979.1, 1591.3, 0.0); (384314.5, 3820268.8, 981.6, 1591.3, 0.0);
(384305.1, 3820246.9, 984.3, 1591.3, 0.0); (384295.8, 3820224.9, 985.7, 1591.3, 0.0);
(384286.4, 3820202.9, 987.6, 1591.3, 0.0); (384277.0, 3820181.0, 990.7, 1591.3, 0.0);
(384267.6, 3820159.0, 994.3, 1591.3, 0.0); (384258.2, 3820137.0, 997.7, 1591.3, 0.0);
(384248.8, 3820115.1, 1003.5, 1591.3, 0.0); (384239.4, 3820093.1, 1010.2, 1591.3, 0.0);
(384230.0, 3820071.1, 1017.6, 1591.3, 0.0); (384220.6, 3820049.2, 1025.1, 1591.3, 0.0);
(384211.2, 3820027.2, 1030.8, 1591.3, 0.0); (384201.8, 3820005.2, 1031.2, 1591.3, 0.0);
(384192.5, 3819983.3, 1029.2, 1591.3, 0.0); (384183.1, 3819961.3, 1027.5, 1591.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(384173.7, 3819939.3, 1031.5, 1591.3, 0.0); (384164.3, 3819917.4, 1037.1, 1591.3, 0.0);
(384154.9, 3819895.4, 1037.7, 1591.3, 0.0); (384145.5, 3819873.4, 1034.8, 1591.3, 0.0);
(384136.1, 3819851.5, 1031.5, 1591.3, 0.0); (384126.7, 3819829.5, 1028.7, 1591.3, 0.0);
(384117.3, 3819807.5, 1027.0, 1591.3, 0.0); (384107.9, 3819785.6, 1028.9, 1591.3, 0.0);
(384098.5, 3819763.6, 1029.3, 1591.3, 0.0); (384089.2, 3819741.7, 1026.0, 1591.3, 0.0);
(384079.8, 3819719.7, 1019.2, 1591.3, 0.0); (384070.4, 3819697.7, 1013.1, 1591.3, 0.0);
(384061.0, 3819675.8, 1006.1, 1591.3, 0.0); (384051.6, 3819653.8, 1000.4, 1591.3, 0.0);
(384042.2, 3819631.8, 1000.1, 1591.3, 0.0); (384032.8, 3819609.9, 1002.8, 1591.3, 0.0);

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    ( 384023.4, 3819587.9,    1005.8,    1591.3,       0.0);         ( 384014.0,
3819565.9,    1009.6,    1591.3,       0.0);
    ( 384004.6, 3819544.0,    1016.8,    1591.3,       0.0);         ( 383995.2,
3819522.0,    1024.8,    1591.3,       0.0);
    ( 383985.9, 3819500.0,    1031.7,    1591.3,       0.0);         ( 383976.5,
3819478.1,    1040.2,    1591.3,       0.0);
    ( 383967.1, 3819456.1,    1049.7,    1591.3,       0.0);         ( 383957.7,
3819434.1,    1059.2,    1591.3,       0.0);
    ( 383948.3, 3819412.2,    1068.4,    1591.3,       0.0);         ( 383938.9,
3819390.2,    1075.1,    1591.3,       0.0);
    ( 383929.5, 3819368.2,    1079.6,    1591.3,       0.0);         ( 383920.1,
3819346.3,    1084.6,    1591.3,       0.0);
    ( 383910.7, 3819324.3,    1094.0,    1591.3,       0.0);         ( 383901.3,
3819302.3,    1102.9,    1591.3,       0.0);
    ( 383892.0, 3819280.4,    1109.7,    1591.3,       0.0);         ( 383882.6,
3819258.4,    1112.0,    1591.3,       0.0);
    ( 383873.2, 3819236.4,    1105.2,    1591.3,       0.0);         ( 383863.8,
3819214.5,    1095.3,    1591.3,       0.0);
    ( 383854.4, 3819192.5,    1090.2,    1591.3,       0.0);         ( 383845.0,
3819170.5,    1089.3,    1591.3,       0.0);
    ( 383835.6, 3819148.6,    1087.3,    1591.3,       0.0);         ( 383826.2,
3819126.6,    1083.0,    1591.3,       0.0);
    ( 383816.8, 3819104.6,    1077.5,    1591.3,       0.0);         ( 383807.4,
3819082.7,    1070.6,    1591.3,       0.0);
    ( 383798.0, 3819060.7,    1063.8,    1591.3,       0.0);         ( 383788.6,
3819038.7,    1057.1,    1591.3,       0.0);
    ( 383779.3, 3819016.8,    1052.4,    1591.3,       0.0);         ( 383769.9,
3818994.8,    1049.2,    1591.3,       0.0);
    ( 383760.5, 3818972.8,    1046.5,    1591.3,       0.0);         ( 383751.1,
3818950.9,    1045.2,    1591.3,       0.0);
    ( 383741.7, 3818928.9,    1043.4,    1591.3,       0.0);         ( 383732.3,
3818906.9,    1040.7,    1591.3,       0.0);
    ( 383722.9, 3818885.0,    1041.5,    1591.3,       0.0);         ( 383713.5,
3818863.0,    1046.4,    1591.3,       0.0);
    ( 383704.1, 3818841.0,    1052.1,    1591.3,       0.0);         ( 383694.7,
3818819.1,    1059.0,    1591.3,       0.0);
    ( 383685.3, 3818797.1,    1067.5,    1154.2,       0.0);         ( 383676.0,
3818775.1,    1077.6,    1142.8,       0.0);
    ( 383666.6, 3818753.2,    1088.5,    1127.8,       0.0);         ( 383657.2,
3818731.2,    1098.9,    1127.8,       0.0);
    ( 383647.8, 3818709.2,    1108.0,    1127.8,       0.0);         ( 383638.4,
3818687.3,    1113.9,    1127.8,       0.0);
    ( 383629.0, 3818665.3,    1113.5,    1127.8,       0.0);         ( 383619.6,
3818643.4,    1108.6,    1127.8,       0.0);
    ( 383610.2, 3818621.4,    1100.8,    1127.8,       0.0);         ( 383600.8,
3818599.4,    1091.7,    1127.8,       0.0);
    ( 383591.4, 3818577.5,    1083.3,    1127.8,       0.0);         ( 383582.0,
3818555.5,    1078.8,    1127.8,       0.0);
    ( 383572.7, 3818533.5,    1071.3,    1127.8,       0.0);         ( 383563.3,
3818511.6,    1059.3,    1142.8,       0.0);
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(383553.9, 3818489.6, 1045.8, 1142.8, 0.0); (383544.5, 3818467.6, 1032.4, 1154.2, 0.0);
(383535.1, 3818445.7, 1020.7, 1591.3, 0.0); (383525.7, 3818423.7, 1011.3, 1591.3, 0.0);
(383516.3, 3818401.7, 1003.0, 1591.3, 0.0); (383506.9, 3818379.8, 996.1, 1591.3, 0.0);
(383497.5, 3818357.8, 990.4, 1591.3, 0.0); (383488.1, 3818335.8, 983.3, 1591.3, 0.0);
(383478.8, 3818313.9, 976.0, 1591.3, 0.0); (383469.4, 3818291.9, 970.3, 1591.3, 0.0);
(383460.0, 3818269.9, 966.6, 1591.3, 0.0); (383450.6, 3818248.0, 963.2, 1591.3, 0.0);
(383441.2, 3818226.0, 960.7, 1591.3, 0.0); (383431.8, 3818204.0, 957.7, 1591.3, 0.0);
(383422.4, 3818182.1, 954.7, 1591.3, 0.0); (383413.0, 3818160.1, 952.7, 1591.3, 0.0);
(383403.6, 3818138.1, 951.2, 1591.3, 0.0); (383394.2, 3818116.2, 949.2, 1591.3, 0.0);
(383384.8, 3818094.2, 946.2, 1591.3, 0.0); (383375.5, 3818072.2, 945.2, 1591.3, 0.0);
(383366.1, 3818050.3, 940.7, 1591.3, 0.0); (383356.7, 3818028.3, 937.2, 1591.3, 0.0);
(383347.3, 3818006.3, 936.7, 1591.3, 0.0); (383337.9, 3817984.4, 935.2, 1591.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(383328.5, 3817962.4, 932.8, 1591.3, 0.0); (383319.1, 3817940.4, 929.9, 1591.3, 0.0);
(383309.7, 3817918.5, 927.9, 1591.3, 0.0); (383300.3, 3817896.5, 926.0, 1591.3, 0.0);
(383290.9, 3817874.5, 924.2, 1591.3, 0.0); (383281.5, 3817852.6, 922.8, 1591.3, 0.0);
(383272.1, 3817830.6, 921.6, 1591.3, 0.0); (383262.8, 3817808.6, 919.8, 1591.3, 0.0);
(383253.4, 3817786.7, 918.1, 1591.3, 0.0); (383244.0, 3817764.7, 914.9, 1591.3, 0.0);
(383234.6, 3817742.8, 913.7, 1591.3, 0.0); (383225.2, 3817720.8, 912.9, 1591.3, 0.0);
(383215.8, 3817698.8, 909.6, 1591.3, 0.0); (383206.4, 3817676.8, 904.8, 1591.3, 0.0);

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     ( 383197.0, 3817654.9,     907.7,    1591.3,       0.0);         ( 383187.6,
3817632.9,     910.9,    1591.3,       0.0);
     ( 383178.2, 3817610.9,     911.1,    1591.3,       0.0);         ( 383168.8,
3817589.0,     909.6,    1591.3,       0.0);
     ( 383159.5, 3817567.0,     911.4,    1591.3,       0.0);         ( 383150.1,
3817545.0,     913.4,    1591.3,       0.0);
     ( 383140.7, 3817523.1,     918.3,    1591.3,       0.0);         ( 383131.3,
3817501.1,     926.3,    1591.3,       0.0);
     ( 383121.9, 3817479.2,     932.9,    1154.3,       0.0);         ( 383112.5,
3817457.2,     936.0,    1154.3,       0.0);
     ( 383103.1, 3817435.2,     935.8,    1154.3,       0.0);         ( 383093.7,
3817413.3,     933.1,    1154.3,       0.0);
     ( 383084.3, 3817391.3,     929.6,    1154.3,       0.0);         ( 383074.9,
3817369.3,     925.1,    1154.3,       0.0);
     ( 383065.5, 3817347.4,     919.9,    1154.3,       0.0);         ( 383056.1,
3817325.4,     914.4,    1154.3,       0.0);
     ( 383046.8, 3817303.4,     907.9,    1154.3,       0.0);         ( 383037.4,
3817281.5,     908.6,    1154.3,       0.0);
     ( 383028.0, 3817259.5,     909.5,    1154.3,       0.0);         ( 383018.6,
3817237.5,     914.0,    1154.3,       0.0);
     ( 383009.2, 3817215.6,     920.2,    1154.3,       0.0);         ( 382999.8,
3817193.6,     926.7,    1154.3,       0.0);
     ( 382990.4, 3817171.6,     933.1,    1154.3,       0.0);         ( 382981.0,
3817149.7,     938.9,    1154.3,       0.0);
     ( 382971.6, 3817127.7,     944.4,    1154.3,       0.0);         ( 382962.2,
3817105.7,     948.8,    1154.3,       0.0);
     ( 382952.8, 3817083.8,     952.2,    1154.3,       0.0);         ( 382943.5,
3817061.8,     952.6,    1154.3,       0.0);
     ( 382934.1, 3817039.8,     950.5,    1154.3,       0.0);         ( 382924.7,
3817017.9,     947.3,    1154.3,       0.0);
     ( 382915.3, 3816995.9,     943.6,    1154.3,       0.0);         ( 382905.9,
3816973.9,     939.5,    1154.3,       0.0);
     ( 382896.5, 3816952.0,     935.9,    1154.3,       0.0);         ( 382887.1,
3816930.0,     934.2,    1154.3,       0.0);
     ( 382877.7, 3816908.0,     938.4,    1154.3,       0.0);         ( 382868.3,
3816886.1,     942.4,    1154.3,       0.0);
     ( 382858.9, 3816864.1,     941.6,    1154.3,       0.0);         ( 382849.5,
3816842.1,     935.8,    1154.3,       0.0);
     ( 382840.2, 3816820.2,     933.0,    1154.3,       0.0);         ( 382830.8,
3816798.2,     934.7,    1154.3,       0.0);
     ( 382821.4, 3816776.2,     940.0,    1154.3,       0.0);         ( 382812.0,
3816754.3,     944.3,    1154.3,       0.0);
     ( 382802.6, 3816732.3,     940.6,    1154.3,       0.0);         ( 382793.2,
3816710.3,     936.4,    1154.3,       0.0);
     ( 394469.2, 3828304.5,     828.0,     828.0,       0.0);         ( 394493.2,
3828304.9,     827.7,     827.7,       0.0);
     ( 394517.1, 3828305.2,     826.9,     826.9,       0.0);         ( 394541.0,
3828305.5,     826.2,     826.2,       0.0);
     ( 394565.0, 3828305.9,     825.7,     825.7,       0.0);         ( 394588.9,
3828306.2,     825.4,     825.4,       0.0);
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     ( 394612.8, 3828306.5,     825.1,     825.1,       0.0);         ( 394636.8,
3828306.8,     824.7,     824.7,       0.0);
     ( 394660.7, 3828307.2,     824.0,     824.0,       0.0);         ( 394684.6,
3828307.5,     823.6,     823.6,       0.0);
     ( 394708.5, 3828307.8,     823.1,     823.1,       0.0);         ( 394732.5,
3828308.1,     822.9,     822.9,       0.0);
     ( 394756.4, 3828308.5,     822.7,     822.7,       0.0);         ( 394780.3,
3828308.8,     822.7,     822.7,       0.0);
     ( 394804.3, 3828309.1,     821.5,     821.5,       0.0);         ( 394828.2,
3828309.5,     821.3,     821.3,       0.0);
     ( 394852.1, 3828309.8,     820.7,     820.7,       0.0);         ( 394876.1,
3828310.1,     819.1,     819.1,       0.0);
     ( 394900.0, 3828310.4,     817.8,     817.8,       0.0);         ( 395089.8,
3816509.0,     931.1,    1440.1,       0.0);
     ( 395110.2, 3816522.2,     931.3,    1440.1,       0.0);         ( 395130.8,
3816535.5,     931.8,    1440.1,       0.0);
     ( 395151.3, 3816548.7,     932.5,    1440.1,       0.0);         ( 395171.8,
3816561.9,     933.8,    1440.1,       0.0);
     ( 395192.3, 3816575.2,     936.5,    1440.1,       0.0);         ( 395212.8,
3816588.4,     941.1,    1440.1,       0.0);
     ( 395233.3, 3816601.6,     943.8,    1440.1,       0.0);         ( 395253.8,
3816614.8,     942.9,    1440.1,       0.0);
     ( 395274.3, 3816628.1,     940.3,    1440.1,       0.0);         ( 395294.8,
3816641.3,     939.1,    1440.1,       0.0);
     ( 395315.3, 3816654.5,     939.6,    1440.1,       0.0);         ( 395335.8,
3816667.8,     940.3,    1440.1,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                        ***        09:14:47

                                   PAGE  61
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

     ( 395356.3, 3816681.0,     940.4,    1440.1,       0.0);         ( 395376.8,
3816694.2,     940.4,    1440.1,       0.0);
     ( 395397.3, 3816707.4,     940.8,    1440.1,       0.0);         ( 395417.8,
3816720.7,     941.1,    1440.1,       0.0);
     ( 395438.3, 3816733.9,     940.9,    1440.1,       0.0);         ( 395458.8,
3816747.1,     941.1,    1440.1,       0.0);
     ( 395479.3, 3816760.3,     941.7,    1440.1,       0.0);         ( 395499.9,
3816773.6,     941.8,    1440.1,       0.0);
     ( 395520.4, 3816786.8,     943.0,    1440.1,       0.0);         ( 395540.9,
3816800.0,     944.3,    1440.1,       0.0);
     ( 395561.4, 3816813.3,     944.3,    1440.1,       0.0);         ( 395581.9,
3816826.5,     945.6,    1440.1,       0.0);
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     ( 395096.7, 3816543.3,     932.7,    1440.1,       0.0);         ( 395117.2,
3816556.5,     933.0,    1440.1,       0.0);
     ( 395137.7, 3816569.7,     933.8,    1440.1,       0.0);         ( 395158.2,
3816582.9,     935.7,    1440.1,       0.0);
     ( 395178.7, 3816596.2,     941.3,    1440.1,       0.0);         ( 395199.2,
3816609.4,     946.6,    1440.1,       0.0);
     ( 395219.7, 3816622.6,     951.1,    1356.4,       0.0);         ( 395240.2,
3816635.8,     949.9,    1439.0,       0.0);
     ( 395260.8, 3816649.1,     941.9,    1440.1,       0.0);         ( 395281.2,
3816662.3,     940.6,    1440.1,       0.0);
     ( 395301.8, 3816675.5,     941.0,    1440.1,       0.0);         ( 395322.3,
3816688.8,     941.5,    1440.1,       0.0);
     ( 395342.8, 3816702.0,     941.8,    1440.1,       0.0);         ( 395363.3,
3816715.2,     941.7,    1440.1,       0.0);
     ( 395383.8, 3816728.4,     942.0,    1440.1,       0.0);         ( 395404.3,
3816741.7,     942.1,    1440.1,       0.0);
     ( 395424.8, 3816754.9,     941.9,    1440.1,       0.0);         ( 395445.3,
3816768.1,     943.7,    1440.1,       0.0);
     ( 395465.8, 3816781.4,     943.9,    1440.1,       0.0);         ( 395486.3,
3816794.6,     944.1,    1440.1,       0.0);
     ( 395506.8, 3816807.8,     947.1,    1440.1,       0.0);         ( 395527.3,
3816821.0,     946.8,    1440.1,       0.0);
     ( 395547.8, 3816834.3,     945.3,    1440.1,       0.0);         ( 395568.3,
3816847.5,     947.4,    1440.1,       0.0);
     ( 395103.7, 3816577.5,     934.7,    1440.1,       0.0);         ( 395124.2,
3816590.7,     935.8,    1440.1,       0.0);
     ( 395144.7, 3816603.9,     937.8,    1440.1,       0.0);         ( 395165.2,
3816617.2,     941.5,    1440.1,       0.0);
     ( 395185.7, 3816630.4,     946.7,    1440.1,       0.0);         ( 395206.2,
3816643.6,     950.5,    1439.0,       0.0);
     ( 395226.7, 3816656.9,     946.0,    1440.1,       0.0);         ( 395247.2,
3816670.1,     942.5,    1440.1,       0.0);
     ( 395267.7, 3816683.3,     942.1,    1440.1,       0.0);         ( 395288.2,
3816696.5,     942.6,    1440.1,       0.0);
     ( 395308.7, 3816709.8,     943.0,    1440.1,       0.0);         ( 395329.2,
3816723.0,     943.3,    1440.1,       0.0);
     ( 395349.7, 3816736.2,     943.4,    1440.1,       0.0);         ( 395370.2,
3816749.5,     943.5,    1440.1,       0.0);
     ( 395390.7, 3816762.7,     944.2,    1440.1,       0.0);         ( 395411.2,
3816775.9,     946.4,    1440.1,       0.0);
     ( 395431.7, 3816789.1,     947.0,    1440.1,       0.0);         ( 395452.2,
3816802.4,     945.1,    1440.1,       0.0);
     ( 395472.8, 3816815.6,     945.7,    1440.1,       0.0);         ( 395493.3,
3816828.8,     946.4,    1440.1,       0.0);
     ( 395513.8, 3816842.0,     944.8,    1440.1,       0.0);         ( 395534.3,
3816855.3,     945.1,    1440.1,       0.0);
     ( 395554.8, 3816868.5,     945.8,    1440.1,       0.0);         ( 395069.6,
3816585.3,     937.9,    1440.1,       0.0);
     ( 395090.1, 3816598.5,     939.4,    1440.1,       0.0);         ( 395110.6,
3816611.7,     938.5,    1440.1,       0.0);
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(395131.1, 3816625.0, 940.9, 1440.1, 0.0); (395151.6, 3816638.2, 942.2, 1440.1, 0.0);
(395172.1, 3816651.4, 943.1, 1440.1, 0.0); (395192.6, 3816664.6, 943.4, 1440.1, 0.0);
(395213.1, 3816677.9, 943.7, 1440.1, 0.0); (395233.6, 3816691.1, 943.6, 1440.1, 0.0);
(395254.1, 3816704.3, 943.6, 1440.1, 0.0); (395274.6, 3816717.5, 944.2, 1440.1, 0.0);
(395295.2, 3816730.8, 944.8, 1440.1, 0.0); (395315.7, 3816744.0, 945.1, 1440.1, 0.0);
(395336.2, 3816757.2, 945.3, 1440.1, 0.0); (395356.7, 3816770.5, 945.2, 1440.1, 0.0);
(395377.2, 3816783.7, 946.3, 1440.1, 0.0); (395397.7, 3816796.9, 947.5, 1440.1, 0.0);
(395418.2, 3816810.1, 946.4, 1440.1, 0.0); (395438.7, 3816823.4, 944.9, 1440.1, 0.0);
(395459.2, 3816836.6, 944.9, 1440.1, 0.0); (395479.7, 3816849.8, 945.1, 1440.1, 0.0);
(395500.2, 3816863.1, 945.4, 1440.1, 0.0); (395520.7, 3816876.3, 945.9, 1440.1, 0.0);
(395541.2, 3816889.5, 946.4, 1440.1, 0.0); (394981.0, 3816587.6, 939.4, 1440.1, 0.0);
(395083.5, 3816653.8, 941.3, 1440.1, 0.0); (395104.0, 3816667.0, 942.2, 1440.1, 0.0);
(395124.5, 3816680.2, 942.4, 1440.1, 0.0); (395145.0, 3816693.4, 941.6, 1440.1, 0.0);
(395165.5, 3816706.7, 944.4, 1440.1, 0.0); (395186.0, 3816719.9, 944.9, 1440.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(395206.5, 3816733.1, 944.5, 1440.1, 0.0); (395227.0, 3816746.3, 946.8, 1440.1, 0.0);
(395247.5, 3816759.6, 946.7, 1440.1, 0.0); (395268.0, 3816772.8, 946.5, 1440.1, 0.0);
(395288.6, 3816786.0, 945.5, 1440.1, 0.0); (395309.1, 3816799.2, 947.9, 1440.1, 0.0);
(395329.6, 3816812.5, 947.8, 1440.1, 0.0); (395350.1, 3816825.7, 948.2, 1440.1, 0.0);
(395370.6, 3816838.9, 948.6, 1440.1, 0.0); (395391.1, 3816852.2, 949.4, 1440.1, 0.0);

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    ( 395411.6, 3816865.4,     950.1,    1440.1,       0.0);         ( 395432.1,
3816878.6,     950.8,    1440.1,       0.0);
    ( 395452.6, 3816891.8,     951.0,    1440.1,       0.0);         ( 395473.1,
3816905.1,     951.9,    1440.1,       0.0);
    ( 395493.6, 3816918.3,     952.6,    1440.1,       0.0);         ( 395514.1,
3816931.5,     952.4,    1440.1,       0.0);
    ( 395097.4, 3816722.2,     952.8,    1440.1,       0.0);         ( 395117.9,
3816735.4,     952.1,    1440.1,       0.0);
    ( 395138.4, 3816748.7,     950.7,    1440.1,       0.0);         ( 395158.9,
3816761.9,     950.8,    1440.1,       0.0);
    ( 395179.4, 3816775.1,     951.0,    1440.1,       0.0);         ( 395199.9,
3816788.4,     951.6,    1440.1,       0.0);
    ( 395220.4, 3816801.6,     953.3,    1440.1,       0.0);         ( 395241.0,
3816814.8,     955.4,    1440.1,       0.0);
    ( 395261.5, 3816828.0,     955.4,    1440.1,       0.0);         ( 395282.0,
3816841.3,     953.9,    1440.1,       0.0);
    ( 395302.5, 3816854.5,     952.7,    1440.1,       0.0);         ( 395323.0,
3816867.7,     952.9,    1440.1,       0.0);
    ( 395343.5, 3816880.9,     952.8,    1440.1,       0.0);         ( 395364.0,
3816894.2,     951.3,    1440.1,       0.0);
    ( 395384.5, 3816907.4,     951.5,    1440.1,       0.0);         ( 395405.0,
3816920.6,     952.0,    1440.1,       0.0);
    ( 395425.5, 3816933.9,     952.0,    1440.1,       0.0);         ( 395446.0,
3816947.1,     952.6,    1440.1,       0.0);
    ( 395466.5, 3816960.3,     953.8,    1440.1,       0.0);         ( 395487.0,
3816973.5,     954.8,    1440.1,       0.0);
    ( 394947.3, 3816684.9,     942.0,    1440.1,       0.0);         ( 395029.3,
3816737.8,     946.3,    1440.1,       0.0);
    ( 395090.8, 3816777.5,     952.4,    1440.1,       0.0);         ( 395111.3,
3816790.7,     952.9,    1440.1,       0.0);
    ( 395131.8, 3816803.9,     954.2,    1440.1,       0.0);         ( 395152.3,
3816817.1,     954.7,    1440.1,       0.0);
    ( 395172.8, 3816830.4,     955.5,    1440.1,       0.0);         ( 395193.3,
3816843.6,     956.0,    1440.1,       0.0);
    ( 395213.8, 3816856.8,     956.3,    1440.1,       0.0);         ( 395234.3,
3816870.1,     956.3,    1440.1,       0.0);
    ( 395254.9, 3816883.3,     956.6,    1440.1,       0.0);         ( 395275.4,
3816896.5,     956.2,    1440.1,       0.0);
    ( 395295.9, 3816909.7,     956.1,    1440.1,       0.0);         ( 395316.4,
3816923.0,     955.6,    1440.1,       0.0);
    ( 395336.9, 3816936.2,     955.6,    1440.1,       0.0);         ( 395357.4,
3816949.4,     956.2,    1440.1,       0.0);
    ( 395377.9, 3816962.6,     956.7,    1440.1,       0.0);         ( 395398.4,
3816975.9,     957.3,    1440.1,       0.0);
    ( 395418.9, 3816989.1,     957.1,    1440.1,       0.0);         ( 395439.4,
3817002.3,     957.8,    1440.1,       0.0);
    ( 395459.9, 3817015.6,     958.7,    1440.1,       0.0);         ( 395084.2,
3816832.7,     954.7,    1440.1,       0.0);
    ( 395104.7, 3816845.9,     955.9,    1440.1,       0.0);         ( 395125.2,
3816859.2,     957.0,    1440.1,       0.0);
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(395145.7, 3816872.4, 958.0, 1440.1, 0.0); (395166.2, 3816885.6, 958.5, 1440.1, 0.0);
(395186.7, 3816898.8, 959.2, 1440.1, 0.0); (395207.2, 3816912.1, 958.9, 1440.1, 0.0);
(395227.8, 3816925.3, 959.2, 1440.1, 0.0); (395248.3, 3816938.5, 960.5, 1440.1, 0.0);
(395268.8, 3816951.8, 961.0, 1440.1, 0.0); (395289.3, 3816965.0, 961.0, 1440.1, 0.0);
(395309.8, 3816978.2, 961.3, 1440.1, 0.0); (395330.3, 3816991.4, 961.5, 1440.1, 0.0);
(395350.8, 3817004.7, 961.7, 1440.1, 0.0); (395371.3, 3817017.9, 962.4, 1440.1, 0.0);
(395391.8, 3817031.1, 962.5, 1440.1, 0.0); (395412.3, 3817044.3, 962.7, 1440.1, 0.0);
(395432.8, 3817057.6, 963.4, 1440.1, 0.0); (394913.6, 3816782.1, 951.3, 1440.1, 0.0);
(394995.6, 3816835.0, 953.2, 1440.1, 0.0); (395016.1, 3816848.3, 954.0, 1440.1, 0.0);
(395036.6, 3816861.5, 955.2, 1440.1, 0.0); (395057.1, 3816874.7, 956.8, 1440.1, 0.0);
(395077.6, 3816887.9, 958.3, 1440.1, 0.0); (395098.1, 3816901.2, 959.6, 1440.1, 0.0);
(395118.6, 3816914.4, 960.5, 1440.1, 0.0); (395139.1, 3816927.6, 961.3, 1440.1, 0.0);
(395159.6, 3816940.9, 962.2, 1440.1, 0.0); (395180.1, 3816954.1, 962.7, 1440.1, 0.0);
(395200.6, 3816967.3, 963.2, 1440.1, 0.0); (395221.1, 3816980.5, 963.7, 1440.1, 0.0);
(395241.7, 3816993.8, 964.3, 1440.1, 0.0); (395262.2, 3817007.0, 964.8, 1440.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(395282.7, 3817020.2, 965.4, 1440.1, 0.0); (395303.2, 3817033.5, 965.8, 1440.1, 0.0);
(395323.7, 3817046.7, 966.1, 1440.1, 0.0); (395344.2, 3817059.9, 966.7, 1440.1, 0.0);
(395364.7, 3817073.1, 968.8, 1440.1, 0.0); (395385.2, 3817086.4, 968.8, 1440.1, 0.0);
(395405.7, 3817099.6, 969.2, 1440.1, 0.0); (394818.3, 3816839.7, 956.0, 1440.1, 0.0);

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     ( 394838.9, 3816852.9,     957.8,    1440.1,       0.0);         ( 394859.4,
3816866.2,     959.2,    1440.1,       0.0);
     ( 394879.9, 3816879.4,     959.2,    1440.1,       0.0);         ( 394982.4,
3816945.5,     960.4,    1440.1,       0.0);
     ( 395002.9, 3816958.8,     962.2,    1440.1,       0.0);         ( 395023.4,
3816972.0,     963.4,    1440.1,       0.0);
     ( 395043.9, 3816985.2,     964.4,    1440.1,       0.0);         ( 395084.9,
3817011.7,     967.4,    1440.1,       0.0);
     ( 395105.4, 3817024.9,     968.4,    1440.1,       0.0);         ( 395125.9,
3817038.1,     969.8,    1440.1,       0.0);
     ( 395146.4, 3817051.3,     971.0,    1440.1,       0.0);         ( 395167.0,
3817064.6,     972.1,    1440.1,       0.0);
     ( 395187.5, 3817077.8,     973.1,    1440.1,       0.0);         ( 395208.0,
3817091.0,     973.1,    1440.1,       0.0);
     ( 395228.5, 3817104.3,     973.9,    1440.1,       0.0);         ( 395249.0,
3817117.5,     975.2,    1440.1,       0.0);
     ( 395269.5, 3817130.7,     976.6,    1440.1,       0.0);         ( 395290.0,
3817143.9,     977.5,    1440.1,       0.0);
     ( 395310.5, 3817157.2,     977.0,    1440.1,       0.0);         ( 395331.0,
3817170.4,     979.1,    1440.1,       0.0);
     ( 395351.5, 3817183.6,     981.6,    1440.1,       0.0);         ( 394784.6,
3816937.0,     968.1,    1440.1,       0.0);
     ( 394805.2, 3816950.2,     967.8,    1440.1,       0.0);         ( 394825.7,
3816963.4,     968.4,    1440.1,       0.0);
     ( 394846.2, 3816976.6,     968.7,    1440.1,       0.0);         ( 394948.7,
3817042.8,     968.0,    1440.1,       0.0);
     ( 394969.2, 3817056.0,     969.5,    1440.1,       0.0);         ( 394989.7,
3817069.2,     970.9,    1440.1,       0.0);
     ( 395010.2, 3817082.5,     972.2,    1440.1,       0.0);         ( 395092.2,
3817135.4,     977.4,    1440.1,       0.0);
     ( 395112.7, 3817148.6,     978.4,    1440.1,       0.0);         ( 395133.2,
3817161.8,     979.3,    1440.1,       0.0);
     ( 395153.8, 3817175.1,     980.6,    1440.1,       0.0);         ( 395174.2,
3817188.3,     981.5,    1440.1,       0.0);
     ( 395194.8, 3817201.5,     982.9,    1440.1,       0.0);         ( 395215.3,
3817214.8,     985.6,    1440.1,       0.0);
     ( 395235.8, 3817228.0,     986.8,    1440.1,       0.0);         ( 395256.3,
3817241.2,     989.0,    1440.1,       0.0);
     ( 395276.8, 3817254.4,     991.8,    1440.1,       0.0);         ( 395297.3,
3817267.7,     994.2,    1440.1,       0.0);
     ( 394751.0, 3817034.2,     978.0,    1440.1,       0.0);         ( 394771.5,
3817047.5,     977.7,    1440.1,       0.0);
     ( 394792.0, 3817060.7,     977.6,    1440.1,       0.0);         ( 394812.5,
3817073.9,     977.4,    1440.1,       0.0);
     ( 394915.0, 3817140.0,     975.7,    1440.1,       0.0);         ( 394935.5,
3817153.3,     977.1,    1440.1,       0.0);
     ( 394956.0, 3817166.5,     978.6,    1440.1,       0.0);         ( 394976.5,
3817179.7,     980.4,    1440.1,       0.0);
     ( 395079.0, 3817245.9,     986.9,    1440.1,       0.0);         ( 395099.5,
3817259.1,     987.9,    1440.1,       0.0);
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     ( 395120.0, 3817272.3,     989.0,    1440.1,       0.0);         ( 395140.5,
3817285.5,     989.2,    1440.1,       0.0);
     ( 395161.1, 3817298.8,     990.4,    1440.1,       0.0);         ( 395181.6,
3817312.0,     992.2,    1440.1,       0.0);
     ( 395202.1, 3817325.2,     995.0,    1440.1,       0.0);         ( 395222.6,
3817338.5,     998.5,    1440.1,       0.0);
     ( 395243.1, 3817351.7,    1002.2,    1440.1,       0.0);         ( 394717.2,
3817131.5,     988.2,    1440.1,       0.0);
     ( 394737.8, 3817144.7,     987.3,    1440.1,       0.0);         ( 394758.3,
3817157.9,     986.9,    1440.1,       0.0);
     ( 394778.8, 3817171.2,     986.1,    1440.1,       0.0);         ( 394799.3,
3817184.4,     985.3,    1440.1,       0.0);
     ( 394881.3, 3817237.3,     986.0,    1440.1,       0.0);         ( 394901.8,
3817250.5,     986.6,    1440.1,       0.0);
     ( 394922.3, 3817263.8,     987.6,    1440.1,       0.0);         ( 394942.8,
3817277.0,     988.6,    1440.1,       0.0);
     ( 395045.3, 3817343.1,     996.0,    1440.1,       0.0);         ( 395065.8,
3817356.4,     997.7,    1440.1,       0.0);
     ( 395086.3, 3817369.6,     999.0,    1440.1,       0.0);         ( 395106.8,
3817382.8,     999.4,    1440.1,       0.0);
     ( 395127.3, 3817396.0,     999.4,    1440.1,       0.0);         ( 395147.9,
3817409.3,     999.8,    1440.1,       0.0);
     ( 395168.4, 3817422.5,    1001.8,    1440.1,       0.0);         ( 395188.9,
3817435.7,    1004.2,    1440.1,       0.0);
     ( 394683.5, 3817228.8,     996.4,    1440.1,       0.0);         ( 394704.0,
3817242.0,     995.8,    1440.1,       0.0);
     ( 394724.5, 3817255.2,     995.2,    1440.1,       0.0);         ( 394745.1,
3817268.4,     994.7,    1440.1,       0.0);
     ( 394765.6, 3817281.7,     995.0,    1440.1,       0.0);         ( 394847.6,
3817334.6,     999.1,    1440.1,       0.0);
     ( 394868.1, 3817347.8,     999.9,    1440.1,       0.0);         ( 394888.6,
3817361.0,    1000.0,    1440.1,       0.0);
♠ *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                       ***        09:14:47

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

     ( 394909.1, 3817374.2,    1000.0,    1440.1,       0.0);         ( 394929.6,
3817387.5,    1001.0,    1440.1,       0.0);
     ( 394950.1, 3817400.7,    1001.5,    1440.1,       0.0);         ( 394970.6,
3817413.9,    1001.9,    1440.1,       0.0);
     ( 394991.1, 3817427.2,    1002.4,    1440.1,       0.0);         ( 395011.6,
3817440.4,    1003.5,    1440.1,       0.0);
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     ( 395032.1, 3817453.6,    1005.5,    1440.1,       0.0);         ( 395052.6,
3817466.8,    1007.1,    1440.1,       0.0);
     ( 395073.1, 3817480.1,    1007.8,    1440.1,       0.0);         ( 395093.6,
3817493.3,    1008.1,    1440.1,       0.0);
     ( 395114.2, 3817506.5,    1010.4,    1440.1,       0.0);         ( 395134.7,
3817519.8,    1012.0,    1440.1,       0.0);
     ( 394466.0, 3817385.9,    1026.5,    1440.1,       0.0);         ( 394486.5,
3817399.1,    1025.3,    1440.1,       0.0);
     ( 394507.0, 3817412.4,    1023.2,    1440.1,       0.0);         ( 394527.5,
3817425.6,    1021.4,    1440.1,       0.0);
     ( 394548.0, 3817438.8,    1022.1,    1440.1,       0.0);         ( 394568.5,
3817452.1,    1023.4,    1440.1,       0.0);
     ( 394589.0, 3817465.3,    1024.5,    1440.1,       0.0);         ( 394609.5,
3817478.5,    1025.1,    1440.1,       0.0);
     ( 394630.0, 3817491.7,    1026.2,    1440.1,       0.0);         ( 394650.5,
3817505.0,    1028.1,    1440.1,       0.0);
     ( 394671.0, 3817518.2,    1029.6,    1440.1,       0.0);         ( 394691.6,
3817531.4,    1030.4,    1440.1,       0.0);
     ( 394773.6, 3817584.3,    1040.3,    1440.1,       0.0);         ( 394794.1,
3817597.6,    1041.5,    1440.1,       0.0);
     ( 394814.6, 3817610.8,    1044.4,    1440.1,       0.0);         ( 394835.1,
3817624.0,    1049.4,    1440.1,       0.0);
     ( 394855.6, 3817637.2,    1056.9,    1439.0,       0.0);         ( 394876.1,
3817650.5,    1065.1,    1188.9,       0.0);
     ( 394896.6, 3817663.7,    1066.5,    1188.9,       0.0);         ( 394917.1,
3817676.9,    1059.3,    1188.9,       0.0);
     ( 394937.6, 3817690.2,    1051.7,    1440.1,       0.0);         ( 394958.1,
3817703.4,    1045.7,    1440.1,       0.0);
     ( 394978.6, 3817716.6,    1040.9,    1440.1,       0.0);         ( 394999.1,
3817729.8,    1038.0,    1440.1,       0.0);
     ( 394330.5, 3817596.0,    1063.8,    1440.1,       0.0);         ( 394351.0,
3817609.2,    1057.9,    1440.1,       0.0);
     ( 394371.5, 3817622.5,    1052.3,    1440.1,       0.0);         ( 394392.0,
3817635.7,    1049.3,    1440.1,       0.0);
     ( 394412.5, 3817648.9,    1049.6,    1440.1,       0.0);         ( 394433.0,
3817662.1,    1051.8,    1440.1,       0.0);
     ( 394453.5, 3817675.4,    1053.8,    1440.1,       0.0);         ( 394474.0,
3817688.6,    1055.6,    1440.1,       0.0);
     ( 394494.5, 3817701.8,    1058.5,    1440.1,       0.0);         ( 394515.0,
3817715.0,    1060.6,    1440.1,       0.0);
     ( 394535.5, 3817728.3,    1063.5,    1440.1,       0.0);         ( 394556.0,
3817741.5,    1070.3,    1440.1,       0.0);
     ( 394576.5, 3817754.7,    1079.0,    1439.0,       0.0);         ( 394597.0,
3817768.0,    1087.8,    1188.9,       0.0);
     ( 394617.6, 3817781.2,    1097.0,    1188.9,       0.0);         ( 394699.6,
3817834.1,    1109.8,    1188.9,       0.0);
     ( 394720.1, 3817847.3,    1107.3,    1188.9,       0.0);         ( 394740.6,
3817860.5,    1102.8,    1188.9,       0.0);
     ( 394761.1, 3817873.8,    1097.7,    1188.9,       0.0);         ( 394781.6,
3817887.0,    1093.8,    1188.9,       0.0);
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(394802.1, 3817900.2, 1091.4, 1188.9, 0.0); (394822.6, 3817913.5, 1089.5, 1188.9, 0.0);
(394843.1, 3817926.7, 1086.6, 1188.9, 0.0); (394863.6, 3817939.9, 1084.1, 1430.2, 0.0);
(394195.0, 3817806.1, 1025.9, 1440.1, 0.0); (394215.5, 3817819.3, 1033.3, 1440.1, 0.0);
(394236.0, 3817832.5, 1043.0, 1440.1, 0.0); (394256.5, 3817845.8, 1054.9, 1440.1, 0.0);
(394277.0, 3817859.0, 1067.3, 1440.1, 0.0); (394297.5, 3817872.2, 1080.8, 1440.1, 0.0);
(394318.0, 3817885.4, 1092.5, 1440.1, 0.0); (394338.5, 3817898.7, 1102.5, 1426.6, 0.0);
(394359.0, 3817911.9, 1111.0, 1188.9, 0.0); (394379.5, 3817925.1, 1111.5, 1188.9, 0.0);
(394400.0, 3817938.4, 1111.2, 1188.9, 0.0); (394420.5, 3817951.6, 1114.0, 1188.9, 0.0);
(394625.6, 3818083.9, 1140.1, 1188.9, 0.0); (394646.1, 3818097.1, 1146.0, 1188.9, 0.0);
(394666.6, 3818110.3, 1154.9, 1188.9, 0.0); (394687.1, 3818123.5, 1165.4, 1188.9, 0.0);
(394707.6, 3818136.8, 1175.4, 1188.9, 0.0); (394728.1, 3818150.0, 1184.0, 1188.9, 0.0);
(394059.4, 3818016.2, 1000.0, 1440.1, 0.0); (394080.0, 3818029.4, 1004.9, 1440.1, 0.0);
(394100.5, 3818042.6, 1005.6, 1440.1, 0.0); (394121.0, 3818055.8, 1008.3, 1440.1, 0.0);
(394141.5, 3818069.1, 1012.4, 1440.1, 0.0); (394162.0, 3818082.3, 1016.4, 1440.1, 0.0);
(394182.5, 3818095.5, 1020.9, 1440.1, 0.0); (394203.0, 3818108.8, 1025.1, 1440.1, 0.0);
(394428.5, 3818254.3, 1064.2, 1440.1, 0.0); (394449.0, 3818267.5, 1066.1, 1440.1, 0.0);
(394469.5, 3818280.7, 1072.2, 1440.1, 0.0); (394490.0, 3818293.9, 1081.0, 1440.1, 0.0);

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

(394510.6, 3818307.2, 1088.1, 1440.1, 0.0); (394531.1, 3818320.4, 1087.7, 1440.1, 0.0);
(394551.6, 3818333.6, 1083.2, 1440.1, 0.0); (394572.1, 3818346.9, 1081.6, 1440.1, 0.0);

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    ( 394592.6, 3818360.1,    1082.5,    1440.1,       0.0);         ( 393788.4,
3818436.3,    1032.9,    1440.1,       0.0);
    ( 393808.9, 3818449.5,    1026.1,    1440.1,       0.0);         ( 394034.5,
3818595.1,    1011.3,    1440.1,       0.0);
    ( 394055.0, 3818608.3,    1011.8,    1440.1,       0.0);         ( 394075.5,
3818621.5,    1012.5,    1440.1,       0.0);
    ( 394096.0, 3818634.7,    1012.4,    1440.1,       0.0);         ( 394116.5,
3818648.0,    1011.9,    1440.1,       0.0);
    ( 394137.0, 3818661.2,    1014.7,    1440.1,       0.0);         ( 394157.5,
3818674.4,    1016.4,    1440.1,       0.0);
    ( 394178.0, 3818687.6,    1017.9,    1440.1,       0.0);         ( 394198.5,
3818700.9,    1019.2,    1440.1,       0.0);
    ( 394219.0, 3818714.1,    1020.7,    1440.1,       0.0);         ( 394239.5,
3818727.3,    1023.2,    1440.1,       0.0);
    ( 394260.0, 3818740.6,    1023.7,    1440.1,       0.0);         ( 394280.5,
3818753.8,    1023.3,    1440.1,       0.0);
    ( 394301.0, 3818767.0,    1024.4,    1440.1,       0.0);         ( 394321.5,
3818780.2,    1026.2,    1440.1,       0.0);
    ( 393619.9, 3818922.6,    1046.5,    1440.1,       0.0);         ( 393640.4,
3818935.9,    1053.4,    1440.1,       0.0);
    ( 393660.9, 3818949.1,    1056.8,    1440.1,       0.0);         ( 393681.4,
3818962.3,    1049.2,    1440.1,       0.0);
    ( 393701.9, 3818975.5,    1051.8,    1440.1,       0.0);         ( 393722.4,
3818988.8,    1051.1,    1440.1,       0.0);
    ( 393742.9, 3819002.0,    1051.4,    1440.1,       0.0);         ( 393763.4,
3819015.2,    1052.2,    1440.1,       0.0);
    ( 393783.9, 3819028.4,    1052.0,    1440.1,       0.0);         ( 393804.4,
3819041.7,    1046.4,    1440.1,       0.0);
    ( 393824.9, 3819054.9,    1045.7,    1440.1,       0.0);         ( 393845.5,
3819068.1,    1047.0,    1440.1,       0.0);
    ( 393866.0, 3819081.4,    1048.7,    1440.1,       0.0);         ( 393886.5,
3819094.6,    1049.2,    1440.1,       0.0);
    ( 393907.0, 3819107.8,    1049.1,    1440.1,       0.0);         ( 393927.5,
3819121.0,    1051.9,    1440.1,       0.0);
    ( 393948.0, 3819134.3,    1054.4,    1440.1,       0.0);         ( 393968.5,
3819147.5,    1056.8,    1440.1,       0.0);
    ( 393989.0, 3819160.7,    1062.2,    1440.1,       0.0);         ( 394009.5,
3819173.9,    1071.5,    1440.1,       0.0);
    ( 394030.0, 3819187.2,    1075.0,    1440.1,       0.0);         ( 394050.5,
3819200.4,    1077.2,    1440.1,       0.0);
    ( 393246.3, 3819276.6,    1109.8,    1440.1,       0.0);         ( 393266.8,
3819289.9,    1110.3,    1440.1,       0.0);
    ( 393287.3, 3819303.1,    1114.6,    1440.1,       0.0);         ( 393307.8,
3819316.3,    1115.5,    1440.1,       0.0);
    ( 393328.3, 3819329.6,    1111.0,    1440.1,       0.0);         ( 393348.8,
3819342.8,    1103.6,    1440.1,       0.0);
    ( 393369.3, 3819356.0,    1103.0,    1440.1,       0.0);         ( 393389.9,
3819369.2,    1102.0,    1440.1,       0.0);
    ( 393410.4, 3819382.5,    1100.6,    1440.1,       0.0);         ( 393430.9,
3819395.7,    1100.7,    1440.1,       0.0);
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(393451.4, 3819408.9, 1100.3, 1440.1, 0.0); (393471.9, 3819422.2, 1099.9, 1440.1, 0.0);
(393492.4, 3819435.4, 1100.3, 1440.1, 0.0); (393512.9, 3819448.6, 1099.9, 1440.1, 0.0);
(393533.4, 3819461.8, 1100.1, 1440.1, 0.0); (393553.9, 3819475.1, 1104.7, 1440.1, 0.0);
(393574.4, 3819488.3, 1110.2, 1440.1, 0.0); (393594.9, 3819501.5, 1114.5, 1440.1, 0.0);
(393615.4, 3819514.8, 1115.0, 1440.1, 0.0); (393635.9, 3819528.0, 1114.1, 1440.1, 0.0);
(393656.4, 3819541.2, 1117.5, 1440.1, 0.0); (393676.9, 3819554.4, 1121.2, 1440.1, 0.0);
(393697.4, 3819567.7, 1125.0, 1440.1, 0.0); (393717.9, 3819580.9, 1128.1, 1440.1, 0.0);
(393738.5, 3819594.1, 1131.4, 1440.1, 0.0); (393759.0, 3819607.3, 1133.4, 1440.1, 0.0);
(393779.5, 3819620.6, 1135.5, 1440.1, 0.0); (392975.3, 3819696.8, 1112.9, 1440.1, 0.0);
(392995.8, 3819710.0, 1121.2, 1440.1, 0.0); (393016.3, 3819723.3, 1131.6, 1440.1, 0.0);
(393036.8, 3819736.5, 1142.7, 1440.1, 0.0); (393057.3, 3819749.7, 1153.5, 1440.1, 0.0);
(393077.8, 3819762.9, 1164.7, 1440.1, 0.0); (393098.3, 3819776.2, 1173.2, 1440.1, 0.0);
(393118.8, 3819789.4, 1180.1, 1440.1, 0.0); (393139.3, 3819802.6, 1182.0, 1440.1, 0.0);
(393159.8, 3819815.9, 1179.2, 1440.1, 0.0); (393180.3, 3819829.1, 1175.3, 1440.1, 0.0);
(393200.8, 3819842.3, 1172.0, 1440.1, 0.0); (393221.3, 3819855.5, 1168.6, 1440.1, 0.0);
(393241.8, 3819868.8, 1164.0, 1440.1, 0.0); (393262.3, 3819882.0, 1159.3, 1440.1, 0.0);
(393282.9, 3819895.2, 1156.1, 1440.1, 0.0); (393303.4, 3819908.5, 1151.9, 1440.1, 0.0);
(393323.9, 3819921.7, 1151.0, 1440.1, 0.0); (393344.4, 3819934.9, 1155.6, 1440.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(393364.9, 3819948.1, 1159.3, 1440.1, 0.0); (393385.4, 3819961.4, 1156.9, 1440.1, 0.0);

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3819987.8,    1168.8,    1440.1,       0.0);
     ( 393446.9, 3820001.0,    1174.3,    1440.1,       0.0);         ( 393467.4,
3820014.3,    1183.1,    1440.1,       0.0);
     ( 393487.9, 3820027.5,    1191.6,    1440.1,       0.0);         ( 393508.4,
3820040.7,    1198.6,    1440.1,       0.0);
     ( 392252.5, 3820817.2,    1384.7,    1389.3,       0.0);         ( 392273.0,
3820830.5,    1387.0,    1387.0,       0.0);
     ( 392293.5, 3820843.7,    1384.5,    1394.1,       0.0);         ( 392314.0,
3820856.9,    1379.1,    1424.6,       0.0);
     ( 392334.5, 3820870.2,    1372.3,    1424.6,       0.0);         ( 392355.0,
3820883.4,    1365.0,    1424.6,       0.0);
     ( 392375.5, 3820896.6,    1357.6,    1440.1,       0.0);         ( 392396.0,
3820909.8,    1349.6,    1440.1,       0.0);
     ( 392416.5, 3820923.1,    1340.9,    1440.1,       0.0);         ( 392437.0,
3820936.3,    1331.9,    1440.1,       0.0);
     ( 392457.6, 3820949.5,    1323.1,    1440.1,       0.0);         ( 392478.1,
3820962.8,    1314.4,    1440.1,       0.0);
     ( 392498.6, 3820976.0,    1307.6,    1440.1,       0.0);         ( 392519.1,
3820989.2,    1311.4,    1440.1,       0.0);
     ( 392539.6, 3821002.4,    1317.1,    1440.1,       0.0);         ( 392560.1,
3821015.7,    1320.9,    1440.1,       0.0);
     ( 392580.6, 3821028.9,    1323.4,    1440.1,       0.0);         ( 392601.1,
3821042.1,    1328.1,    1440.1,       0.0);
     ( 392621.6, 3821055.3,    1334.0,    1440.1,       0.0);         ( 392642.1,
3821068.6,    1339.4,    1440.1,       0.0);
     ( 392662.6, 3821081.8,    1347.0,    1440.1,       0.0);         ( 392683.1,
3821095.0,    1356.2,    1440.1,       0.0);
     ( 392703.6, 3821108.3,    1366.8,    1440.1,       0.0);         ( 392724.1,
3821121.5,    1376.3,    1440.1,       0.0);
     ( 392744.6, 3821134.7,    1382.8,    1440.1,       0.0);         ( 392765.1,
3821147.9,    1384.4,    1440.1,       0.0);
     ( 392785.6, 3821161.2,    1382.1,    1440.1,       0.0);         ( 391529.7,
3821937.7,    1301.3,    1424.6,       0.0);
     ( 391550.2, 3821950.9,    1310.1,    1424.6,       0.0);         ( 391570.7,
3821964.1,    1318.9,    1424.6,       0.0);
     ( 391591.2, 3821977.4,    1327.8,    1376.6,       0.0);         ( 391611.8,
3821990.6,    1337.1,    1370.6,       0.0);
     ( 391632.3, 3822003.8,    1346.4,    1370.6,       0.0);         ( 391652.8,
3822017.0,    1356.1,    1370.6,       0.0);
     ( 391673.3, 3822030.3,    1365.0,    1369.6,       0.0);         ( 391693.8,
3822043.5,    1367.1,    1367.1,       0.0);
     ( 391714.3, 3822056.7,    1364.5,    1369.6,       0.0);         ( 391734.8,
3822070.0,    1358.3,    1370.6,       0.0);
     ( 391755.3, 3822083.2,    1348.9,    1370.6,       0.0);         ( 391775.8,
3822096.4,    1339.6,    1370.6,       0.0);
     ( 391796.3, 3822109.6,    1330.7,    1376.6,       0.0);         ( 391816.8,
3822122.9,    1321.9,    1424.6,       0.0);
     ( 391837.3, 3822136.1,    1319.7,    1424.6,       0.0);         ( 391857.8,
3822149.3,    1318.0,    1424.6,       0.0);
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     ( 391878.3, 3822162.6,    1315.8,    1424.6,       0.0);         ( 391898.8,
3822175.8,    1311.7,    1424.6,       0.0);
     ( 391919.3, 3822189.0,    1305.2,    1424.6,       0.0);         ( 391939.8,
3822202.2,    1301.0,    1424.6,       0.0);
     ( 391960.3, 3822215.5,    1298.6,    1424.6,       0.0);         ( 391980.8,
3822228.7,    1296.6,    1424.6,       0.0);
     ( 392001.3, 3822241.9,    1292.0,    1424.6,       0.0);         ( 392021.9,
3822255.1,    1282.1,    1424.6,       0.0);
     ( 392042.4, 3822268.4,    1270.5,    1440.1,       0.0);         ( 392062.9,
3822281.6,    1257.9,    1440.1,       0.0);
     ( 390807.0, 3823058.1,    1116.3,    1591.3,       0.0);         ( 390827.5,
3823071.3,    1126.8,    1591.3,       0.0);
     ( 390848.0, 3823084.6,    1138.2,    1591.3,       0.0);         ( 390868.5,
3823097.8,    1148.4,    1591.3,       0.0);
     ( 390889.0, 3823111.0,    1157.9,    1591.3,       0.0);         ( 390909.5,
3823124.3,    1163.9,    1591.3,       0.0);
     ( 390930.0, 3823137.5,    1161.8,    1591.3,       0.0);         ( 390950.5,
3823150.7,    1154.3,    1591.3,       0.0);
     ( 390971.0, 3823163.9,    1155.4,    1591.3,       0.0);         ( 390991.5,
3823177.2,    1155.2,    1591.3,       0.0);
     ( 391012.0, 3823190.4,    1151.5,    1591.3,       0.0);         ( 391032.5,
3823203.6,    1144.6,    1591.3,       0.0);
     ( 391053.0, 3823216.8,    1138.6,    1591.3,       0.0);         ( 391073.5,
3823230.1,    1131.8,    1591.3,       0.0);
     ( 391094.0, 3823243.3,    1125.4,    1591.3,       0.0);         ( 391114.5,
3823256.5,    1113.8,    1591.3,       0.0);
     ( 391135.0, 3823269.8,    1102.2,    1591.3,       0.0);         ( 391155.5,
3823283.0,    1096.3,    1591.3,       0.0);
     ( 391176.0, 3823296.2,    1090.3,    1591.3,       0.0);         ( 391196.6,
3823309.4,    1085.2,    1591.3,       0.0);
     ( 391217.1, 3823322.7,    1079.4,    1591.3,       0.0);         ( 391237.6,
3823335.9,    1072.7,    1591.3,       0.0);
     ( 391258.1, 3823349.1,    1066.1,    1591.3,       0.0);         ( 391278.6,
3823362.4,    1062.3,    1591.3,       0.0);
     ( 391299.1, 3823375.6,    1060.9,    1591.3,       0.0);         ( 391319.6,
3823388.8,    1058.1,    1591.3,       0.0);
     ( 391340.1, 3823402.0,    1055.5,    1591.3,       0.0);         ( 390084.2,
3824178.6,    1288.5,    1587.9,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 390104.7, 3824191.8,    1283.8,    1587.9,       0.0);         ( 390125.2,
3824205.0,    1272.2,    1587.9,       0.0);
     ( 390145.7, 3824218.2,    1262.4,    1588.5,       0.0);         ( 390166.2,
3824231.5,    1263.9,    1587.9,       0.0);
     ( 390186.7, 3824244.7,    1257.1,    1588.5,       0.0);         ( 390207.2,
3824257.9,    1253.4,    1588.5,       0.0);
     ( 390227.7, 3824271.1,    1258.5,    1587.9,       0.0);         ( 390248.2,
3824284.4,    1261.8,    1587.9,       0.0);
     ( 390268.7, 3824297.6,    1254.7,    1587.9,       0.0);         ( 390289.2,
3824310.8,    1245.3,    1588.5,       0.0);
     ( 390309.7, 3824324.1,    1236.5,    1588.5,       0.0);         ( 390330.2,
3824337.3,    1228.0,    1588.5,       0.0);
     ( 390350.8, 3824350.5,    1224.5,    1588.9,       0.0);         ( 390371.3,
3824363.7,    1227.5,    1588.5,       0.0);
     ( 390391.8, 3824377.0,    1225.4,    1588.5,       0.0);         ( 390412.3,
3824390.2,    1223.7,    1588.5,       0.0);
     ( 390432.8, 3824403.4,    1222.3,    1588.5,       0.0);         ( 390453.3,
3824416.6,    1215.4,    1588.5,       0.0);
     ( 390473.8, 3824429.9,    1206.6,    1590.6,       0.0);         ( 390494.3,
3824443.1,    1199.4,    1590.6,       0.0);
     ( 390514.8, 3824456.3,    1190.2,    1590.6,       0.0);         ( 390535.3,
3824469.6,    1179.0,    1591.3,       0.0);
     ( 390555.8, 3824482.8,    1168.4,    1591.3,       0.0);         ( 390576.3,
3824496.0,    1160.6,    1591.3,       0.0);
     ( 390596.8, 3824509.2,    1157.3,    1591.3,       0.0);         ( 390617.3,
3824522.5,    1154.2,    1591.3,       0.0);
     ( 389361.4, 3825299.0,    1026.7,    1591.3,       0.0);         ( 389381.9,
3825312.2,    1030.3,    1591.3,       0.0);
     ( 389402.4, 3825325.4,    1036.8,    1591.3,       0.0);         ( 389422.9,
3825338.7,    1038.5,    1591.3,       0.0);
     ( 389443.4, 3825351.9,    1035.9,    1591.3,       0.0);         ( 389463.9,
3825365.1,    1032.6,    1591.3,       0.0);
     ( 389484.4, 3825378.4,    1026.4,    1591.3,       0.0);         ( 389504.9,
3825391.6,    1017.6,    1591.3,       0.0);
     ( 389525.5, 3825404.8,    1008.8,    1591.3,       0.0);         ( 389546.0,
3825418.0,     997.8,    1591.3,       0.0);
     ( 389566.5, 3825431.3,     991.4,    1591.3,       0.0);         ( 389587.0,
3825444.5,     985.9,    1591.3,       0.0);
     ( 389607.5, 3825457.7,     983.0,    1591.3,       0.0);         ( 389628.0,
3825470.9,     982.4,    1591.3,       0.0);
     ( 389648.5, 3825484.2,     983.8,    1591.3,       0.0);         ( 389669.0,
3825497.4,     984.7,    1591.3,       0.0);
     ( 389689.5, 3825510.6,     983.6,    1591.3,       0.0);         ( 389710.0,
3825523.9,     978.4,    1591.3,       0.0);
     ( 389730.5, 3825537.1,     972.4,    1591.3,       0.0);         ( 389751.0,
3825550.3,     970.3,    1591.3,       0.0);
     ( 389771.5, 3825563.5,     969.1,    1591.3,       0.0);         ( 389792.0,
3825576.8,     967.4,    1591.3,       0.0);
     ( 389812.5, 3825590.0,     966.0,    1591.3,       0.0);         ( 389833.0,
3825603.2,     966.5,    1591.3,       0.0);
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     ( 389853.5, 3825616.5,     971.6,    1591.3,       0.0);         ( 389874.0,
3825629.7,     975.3,    1591.3,       0.0);
     ( 389894.5, 3825642.9,     978.6,    1591.3,       0.0);         ( 388638.6,
3826419.4,    1067.3,    1591.3,       0.0);
     ( 388659.1, 3826432.6,    1063.6,    1591.3,       0.0);         ( 388679.6,
3826445.9,    1060.3,    1591.3,       0.0);
     ( 388700.1, 3826459.1,    1055.8,    1591.3,       0.0);         ( 388720.6,
3826472.3,    1049.8,    1591.3,       0.0);
     ( 388741.2, 3826485.6,    1043.8,    1591.3,       0.0);         ( 388761.7,
3826498.8,    1037.2,    1591.3,       0.0);
     ( 388782.2, 3826512.0,    1031.9,    1591.3,       0.0);         ( 388802.7,
3826525.2,    1030.2,    1591.3,       0.0);
     ( 388823.2, 3826538.5,    1033.8,    1591.3,       0.0);         ( 388843.7,
3826551.7,    1029.5,    1591.3,       0.0);
     ( 388864.2, 3826564.9,    1025.6,    1591.3,       0.0);         ( 388884.7,
3826578.2,    1023.7,    1591.3,       0.0);
     ( 388905.2, 3826591.4,    1022.5,    1591.3,       0.0);         ( 388925.7,
3826604.6,    1019.5,    1591.3,       0.0);
     ( 388946.2, 3826617.8,    1017.6,    1591.3,       0.0);         ( 388966.7,
3826631.1,    1015.6,    1591.3,       0.0);
     ( 388987.2, 3826644.3,    1010.9,    1591.3,       0.0);         ( 389007.7,
3826657.5,    1005.8,    1591.3,       0.0);
     ( 389028.2, 3826670.8,    1001.0,    1591.3,       0.0);         ( 389048.7,
3826684.0,    1000.8,    1591.3,       0.0);
     ( 389069.2, 3826697.2,    1006.5,    1591.3,       0.0);         ( 389089.8,
3826710.4,    1009.5,    1591.3,       0.0);
     ( 389110.2, 3826723.7,    1006.9,    1591.3,       0.0);         ( 389130.8,
3826736.9,    1000.1,    1591.3,       0.0);
     ( 389151.3, 3826750.1,     992.9,    1591.3,       0.0);         ( 389171.8,
3826763.3,     988.6,    1591.3,       0.0);
     ( 395593.8, 3816851.9,     947.1,    1440.1,       0.0);         ( 395582.2,
3816881.4,     946.4,    1440.1,       0.0);
     ( 395423.3, 3816907.3,     951.0,    1440.1,       0.0);         ( 395380.2,
3816932.7,     953.8,    1440.1,       0.0);
     ( 395347.2, 3816975.0,     959.7,    1440.1,       0.0);         ( 395304.1,
3817000.5,     962.9,    1440.1,       0.0);
     ( 395208.1, 3817034.5,     968.4,    1440.1,       0.0);         ( 395228.0,
3817068.2,     971.1,    1440.1,       0.0);
     ( 395122.0, 3817085.4,     973.5,    1440.1,       0.0);         ( 395141.9,
3817119.1,     976.2,    1440.1,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                       ***       09:14:47

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

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

(395036.0, 3817136.4, 977.2, 1440.1, 0.0); (395055.9, 3817170.0, 980.6, 1440.1, 0.0);
(394979.7, 3817237.8, 985.3, 1440.1, 0.0); (394883.7, 3817271.8, 989.9, 1440.1, 0.0);
(394648.6, 3817365.4, 1009.7, 1440.1, 0.0); (394668.5, 3817399.1, 1012.6, 1440.1, 0.0);
(394443.4, 3817509.5, 1036.0, 1440.1, 0.0); (394463.3, 3817543.2, 1036.1, 1440.1, 0.0);
(394003.1, 3817747.2, 992.0, 1440.1, 0.0); (394023.0, 3817780.9, 994.4, 1440.1, 0.0);
(393572.7, 3818001.7, 982.2, 1440.1, 0.0); (393592.6, 3818035.4, 983.1, 1440.1, 0.0);
(393142.3, 3818256.3, 972.6, 1440.1, 0.0); (393162.2, 3818289.9, 977.2, 1440.1, 0.0);
(392741.8, 3818561.3, 1002.5, 1440.1, 0.0); (392281.6, 3818765.3, 1008.5, 1440.1, 0.0);
(392301.5, 3818799.0, 1011.4, 1440.1, 0.0); (391133.9, 3819444.0, 998.5, 1591.3, 0.0);
(391153.8, 3819477.7, 1000.6, 1591.3, 0.0); (389986.3, 3820122.8, 1108.3, 1591.3, 0.0);
(390006.2, 3820156.4, 1097.5, 1591.3, 0.0); (388838.6, 3820801.5, 1062.0, 1591.3, 0.0);
(388858.5, 3820835.1, 1067.6, 1591.3, 0.0); (387691.0, 3821480.2, 1103.3, 1591.3, 0.0);
(387710.9, 3821513.9, 1107.1, 1591.3, 0.0); (386543.3, 3822158.9, 1284.9, 1591.3, 0.0);
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(395652.3, 3816920.8, 949.2, 1440.1, 0.0); (395579.0, 3816909.8, 947.8, 1440.1, 0.0);
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(395610.6, 3816957.9, 951.2, 1440.1, 0.0); (395633.5, 3816967.2, 951.5, 1440.1, 0.0);
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(395569.0, 3816995.0, 955.9, 1440.1, 0.0); (395591.9, 3817004.3, 956.5, 1440.1, 0.0);
(395614.8, 3817013.5, 956.4, 1440.1, 0.0); (395534.1, 3817027.4, 960.2, 1440.1, 0.0);
(395501.7, 3816999.6, 956.7, 1440.1, 0.0); (395573.1, 3817050.6, 961.6, 1440.1, 0.0);

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     ( 395496.8, 3817057.9,     963.8,    1440.1,       0.0);         ( 395479.5,
3817042.9,     961.7,    1440.1,       0.0);
     ( 395531.5, 3817087.7,     968.3,    1440.1,       0.0);         ( 395554.4,
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     ( 395577.3, 3817106.2,     970.7,    1440.1,       0.0);         ( 395494.6,
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     ( 395476.3, 3817102.7,     969.1,    1440.1,       0.0);         ( 395458.1,
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     ( 395512.8, 3817134.1,     974.6,    1440.1,       0.0);         ( 395535.6,
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     ( 395383.4, 3817335.2,    1007.5,    1188.9,       0.0);         ( 395365.6,
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     ( 395347.8, 3817304.5,     999.6,    1440.1,       0.0);         ( 395330.0,
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     ( 395187.5, 3817166.6,     980.1,    1440.1,       0.0);         ( 395169.7,
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3817375.1,    1022.3,    1188.9,       0.0);
     ( 395464.8, 3817384.3,    1022.6,    1188.9,       0.0);         ( 395363.0,
3817442.5,    1023.0,    1188.9,       0.0);
     ( 395344.4, 3817426.6,    1018.5,    1188.9,       0.0);         ( 395325.8,
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     ( 395307.2, 3817394.6,    1011.7,    1439.0,       0.0);         ( 395288.7,
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 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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     ( 395120.6, 3817796.4,    1039.2,    1440.1,       0.0);         ( 395102.2,
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 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                       ***       09:14:47
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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(394663.6, 3817715.6, 1080.8, 1188.9, 0.0); (394645.4, 3817699.9, 1073.8, 1188.9, 0.0);
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(394517.9, 3817590.2, 1043.9, 1440.1, 0.0); (394499.7, 3817574.5, 1041.4, 1440.1, 0.0);
(394481.5, 3817558.8, 1037.9, 1440.1, 0.0); (395119.0, 3818107.4, 1108.5, 1188.9, 0.0);
(395141.9, 3818116.7, 1106.3, 1188.9, 0.0); (395164.7, 3818125.9, 1103.1, 1188.9, 0.0);
(394951.2, 3818275.5, 1141.6, 1188.9, 0.0); (394932.7, 3818259.6, 1133.8, 1188.9, 0.0);
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 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                         ***       09:14:47
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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(394124.6, 3817876.6, 1010.4, 1440.1, 0.0); (394931.5, 3818570.9, 1072.8, 1440.1, 0.0);
(394954.4, 3818580.2, 1071.2, 1440.1, 0.0); (394977.2, 3818589.4, 1072.3, 1440.1, 0.0);
(394725.6, 3819018.6, 1076.9, 1440.1, 0.0); (394707.2, 3819002.8, 1077.8, 1440.1, 0.0);
(394688.8, 3818986.9, 1073.6, 1440.1, 0.0); (394670.3, 3818971.1, 1066.8, 1440.1, 0.0);
(394651.9, 3818955.2, 1060.8, 1440.1, 0.0); (394633.5, 3818939.4, 1055.2, 1440.1, 0.0);
(394615.1, 3818923.6, 1050.0, 1440.1, 0.0); (394596.7, 3818907.7, 1046.1, 1440.1, 0.0);
(394578.3, 3818891.9, 1044.5, 1440.1, 0.0); (394559.9, 3818876.0, 1043.3, 1440.1, 0.0);
(394541.5, 3818860.2, 1041.5, 1440.1, 0.0); (394523.1, 3818844.3, 1041.0, 1440.1, 0.0);
(394504.6, 3818828.5, 1038.9, 1440.1, 0.0); (394486.2, 3818812.7, 1035.9, 1440.1, 0.0);
(394467.8, 3818796.8, 1033.8, 1440.1, 0.0); (394449.4, 3818781.0, 1031.3, 1440.1, 0.0);
(394431.0, 3818765.1, 1029.0, 1440.1, 0.0); (394302.1, 3818654.2, 1018.3, 1440.1, 0.0);
(394283.7, 3818638.4, 1016.9, 1440.1, 0.0); (394265.3, 3818622.5, 1015.4, 1440.1, 0.0);
(394246.9, 3818606.7, 1014.9, 1440.1, 0.0); (394228.5, 3818590.9, 1013.9, 1440.1, 0.0);
(394210.1, 3818575.0, 1013.3, 1440.1, 0.0); (394191.7, 3818559.2, 1013.7, 1440.1, 0.0);
(394173.3, 3818543.3, 1012.9, 1440.1, 0.0); (394154.9, 3818527.5, 1009.6, 1440.1, 0.0);
(394136.5, 3818511.7, 1004.9, 1440.1, 0.0); (394118.0, 3818495.8, 1001.8, 1440.1, 0.0);
(394099.6, 3818480.0, 1000.6, 1440.1, 0.0); (394081.2, 3818464.1, 1000.2, 1440.1, 0.0);
(394062.8, 3818448.3, 998.9, 1440.1, 0.0); (394044.4, 3818432.4, 997.1, 1440.1, 0.0);

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     ( 394026.0, 3818416.6,     995.0,    1440.1,       0.0);         ( 394007.6,
3818400.8,     994.7,    1440.1,       0.0);
     ( 393989.2, 3818384.9,     994.7,    1440.1,       0.0);         ( 393970.8,
3818369.1,     993.8,    1440.1,       0.0);
     ( 393952.3, 3818353.2,     993.3,    1440.1,       0.0);         ( 393933.9,
3818337.4,     990.5,    1440.1,       0.0);
     ( 393915.5, 3818321.5,     992.6,    1440.1,       0.0);         ( 393897.1,
3818305.7,     993.9,    1440.1,       0.0);
     ( 393878.7, 3818289.9,     992.5,    1440.1,       0.0);         ( 393860.3,
3818274.0,     990.9,    1440.1,       0.0);
     ( 393841.9, 3818258.2,     988.7,    1440.1,       0.0);         ( 393823.5,
3818242.3,     987.1,    1440.1,       0.0);
     ( 393805.1, 3818226.5,     986.3,    1440.1,       0.0);         ( 393786.6,
3818210.6,     985.0,    1440.1,       0.0);
     ( 393768.2, 3818194.8,     983.3,    1440.1,       0.0);         ( 393749.8,
3818179.0,     981.4,    1440.1,       0.0);
     ( 393731.4, 3818163.1,     978.8,    1440.1,       0.0);         ( 393713.0,
3818147.3,     977.4,    1440.1,       0.0);
     ( 393694.6, 3818131.4,     978.3,    1440.1,       0.0);         ( 393676.2,
3818115.6,     976.9,    1440.1,       0.0);
     ( 393657.8, 3818099.8,     974.3,    1440.1,       0.0);         ( 393639.4,
3818083.9,     975.2,    1440.1,       0.0);
     ( 393621.0, 3818068.1,     978.4,    1440.1,       0.0);         ( 394744.0,
3819034.5,    1074.3,    1440.1,       0.0);
     ( 394766.8, 3819043.7,    1072.5,    1440.1,       0.0);         ( 394789.7,
3819053.0,    1071.3,    1440.1,       0.0);
     ( 394538.0, 3819482.1,    1135.1,    1440.1,       0.0);         ( 394519.6,
3819466.2,    1144.4,    1440.1,       0.0);
     ( 394501.1, 3819450.3,    1153.6,    1440.1,       0.0);         ( 394482.6,
3819434.4,    1157.9,    1440.1,       0.0);
     ( 394464.2, 3819418.5,    1157.2,    1440.1,       0.0);         ( 394445.7,
3819402.7,    1148.8,    1440.1,       0.0);
     ( 394427.3, 3819386.8,    1138.1,    1440.1,       0.0);         ( 394408.8,
3819370.9,    1135.8,    1440.1,       0.0);
     ( 394390.4, 3819355.0,    1138.9,    1440.1,       0.0);         ( 394371.9,
3819339.1,    1141.4,    1440.1,       0.0);
     ( 394353.5, 3819323.2,    1141.0,    1440.1,       0.0);         ( 394335.0,
3819307.4,    1137.4,    1440.1,       0.0);
     ( 394316.5, 3819291.5,    1132.3,    1440.1,       0.0);         ( 394298.1,
3819275.6,    1123.6,    1440.1,       0.0);
     ( 394279.6, 3819259.7,    1114.6,    1440.1,       0.0);         ( 394261.2,
3819243.8,    1107.1,    1440.1,       0.0);
     ( 394242.7, 3819228.0,    1102.4,    1440.1,       0.0);         ( 394224.2,
3819212.1,    1101.3,    1440.1,       0.0);
     ( 394205.8, 3819196.2,    1096.4,    1440.1,       0.0);         ( 394187.3,
3819180.3,    1092.5,    1440.1,       0.0);
     ( 394168.9, 3819164.4,    1092.6,    1440.1,       0.0);         ( 394150.4,
3819148.5,    1089.3,    1440.1,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394021.2, 3819037.4, 1066.4, 1440.1, 0.0); (394002.8, 3819021.5, 1061.6, 1440.1, 0.0);
(393984.3, 3819005.6, 1057.3, 1440.1, 0.0); (393965.8, 3818989.7, 1051.0, 1440.1, 0.0);
(393947.4, 3818973.8, 1044.6, 1440.1, 0.0); (393928.9, 3818957.9, 1041.5, 1440.1, 0.0);
(393910.5, 3818942.1, 1041.2, 1440.1, 0.0); (393892.0, 3818926.2, 1038.1, 1440.1, 0.0);
(393873.6, 3818910.3, 1036.4, 1440.1, 0.0); (393855.1, 3818894.4, 1033.3, 1440.1, 0.0);
(393836.6, 3818878.5, 1031.6, 1440.1, 0.0); (393818.2, 3818862.6, 1031.7, 1440.1, 0.0);
(393799.7, 3818846.8, 1031.5, 1440.1, 0.0); (393781.3, 3818830.9, 1032.0, 1440.1, 0.0);
(393762.8, 3818815.0, 1029.8, 1440.1, 0.0); (393744.4, 3818799.1, 1026.8, 1440.1, 0.0);
(393725.9, 3818783.2, 1024.1, 1440.1, 0.0); (393707.4, 3818767.3, 1020.7, 1440.1, 0.0);
(393689.0, 3818751.5, 1019.7, 1440.1, 0.0); (393670.5, 3818735.6, 1017.8, 1440.1, 0.0);
(393652.1, 3818719.7, 1015.1, 1440.1, 0.0); (393633.6, 3818703.8, 1014.4, 1440.1, 0.0);
(393615.2, 3818687.9, 1013.6, 1440.1, 0.0); (393596.7, 3818672.0, 1011.3, 1440.1, 0.0);
(393578.2, 3818656.2, 1009.7, 1440.1, 0.0); (393559.8, 3818640.3, 1009.5, 1440.1, 0.0);
(393541.3, 3818624.4, 1009.5, 1440.1, 0.0); (393522.9, 3818608.5, 1008.2, 1440.1, 0.0);
(393504.4, 3818592.6, 1003.3, 1440.1, 0.0); (393486.0, 3818576.8, 1000.6, 1440.1, 0.0);
(393467.5, 3818560.9,   999.6, 1440.1, 0.0); (393449.0, 3818545.0,   999.0, 1440.1, 0.0);
(393430.6, 3818529.1,   999.4, 1440.1, 0.0); (393412.1, 3818513.2,   998.2, 1440.1, 0.0);
(393393.7, 3818497.3,   997.8, 1440.1, 0.0); (393375.2, 3818481.5,   995.0, 1440.1, 0.0);
(393356.8, 3818465.6,   993.9, 1440.1, 0.0); (393338.3, 3818449.7,   994.0, 1440.1, 0.0);
(393319.8, 3818433.8,   992.7, 1440.1, 0.0); (393301.4, 3818417.9,   991.4, 1440.1, 0.0);

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     ( 393282.9, 3818402.0,     990.1,    1440.1,       0.0);         ( 393264.5,
3818386.2,     989.7,    1440.1,       0.0);
     ( 393246.0, 3818370.3,     985.6,    1440.1,       0.0);         ( 393227.5,
3818354.4,     984.5,    1440.1,       0.0);
     ( 393209.1, 3818338.5,     983.6,    1440.1,       0.0);         ( 393190.6,
3818322.6,     982.5,    1440.1,       0.0);
     ( 394556.5, 3819498.0,    1125.6,    1440.1,       0.0);         ( 394579.3,
3819507.2,    1118.0,    1440.1,       0.0);
     ( 394602.2, 3819516.5,    1112.8,    1440.1,       0.0);         ( 394350.5,
3819945.6,    1125.8,    1440.1,       0.0);
     ( 394332.0, 3819929.6,    1130.5,    1440.1,       0.0);         ( 394313.5,
3819913.7,    1137.3,    1440.1,       0.0);
     ( 394295.0, 3819897.8,    1145.1,    1440.1,       0.0);         ( 394276.5,
3819881.9,    1155.1,    1440.1,       0.0);
     ( 394258.0, 3819866.0,    1164.5,    1440.1,       0.0);         ( 394239.5,
3819850.1,    1175.5,    1440.1,       0.0);
     ( 394221.0, 3819834.2,    1184.7,    1440.1,       0.0);         ( 394202.5,
3819818.3,    1191.6,    1440.1,       0.0);
     ( 394184.1, 3819802.4,    1184.9,    1440.1,       0.0);         ( 394165.6,
3819786.4,    1178.6,    1440.1,       0.0);
     ( 394147.1, 3819770.5,    1172.3,    1440.1,       0.0);         ( 394128.6,
3819754.6,    1163.3,    1440.1,       0.0);
     ( 394110.1, 3819738.7,    1154.8,    1440.1,       0.0);         ( 394091.6,
3819722.8,    1145.6,    1440.1,       0.0);
     ( 394073.1, 3819706.9,    1139.5,    1440.1,       0.0);         ( 394054.6,
3819691.0,    1131.7,    1440.1,       0.0);
     ( 394036.1, 3819675.1,    1124.1,    1440.1,       0.0);         ( 394017.6,
3819659.2,    1116.4,    1440.1,       0.0);
     ( 393999.2, 3819643.2,    1110.4,    1440.1,       0.0);         ( 393980.7,
3819627.3,    1104.3,    1440.1,       0.0);
     ( 393962.2, 3819611.4,    1103.8,    1440.1,       0.0);         ( 393943.7,
3819595.5,    1107.0,    1440.1,       0.0);
     ( 393925.2, 3819579.6,    1113.0,    1440.1,       0.0);         ( 393906.7,
3819563.7,    1116.8,    1440.1,       0.0);
     ( 393888.2, 3819547.8,    1118.8,    1440.1,       0.0);         ( 393869.7,
3819531.9,    1115.2,    1440.1,       0.0);
     ( 393740.3, 3819420.5,    1088.1,    1440.1,       0.0);         ( 393721.8,
3819404.6,    1086.0,    1440.1,       0.0);
     ( 393703.3, 3819388.7,    1085.1,    1440.1,       0.0);         ( 393684.8,
3819372.8,    1084.5,    1440.1,       0.0);
     ( 393666.3, 3819356.8,    1079.9,    1440.1,       0.0);         ( 393647.8,
3819340.9,    1078.6,    1440.1,       0.0);
     ( 393629.3, 3819325.0,    1079.1,    1440.1,       0.0);         ( 393610.9,
3819309.1,    1081.8,    1440.1,       0.0);
     ( 393592.4, 3819293.2,    1087.5,    1440.1,       0.0);         ( 393573.9,
3819277.3,    1088.1,    1440.1,       0.0);
     ( 393555.4, 3819261.4,    1087.5,    1440.1,       0.0);         ( 393536.9,
3819245.5,    1085.1,    1440.1,       0.0);
     ( 393518.4, 3819229.5,    1078.3,    1440.1,       0.0);         ( 393499.9,
3819213.6,    1072.3,    1440.1,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(393481.4, 3819197.7, 1066.7, 1440.1, 0.0); (393462.9, 3819181.8, 1064.0, 1440.1, 0.0);
(393444.5, 3819165.9, 1063.2, 1440.1, 0.0); (393426.0, 3819150.0, 1067.6, 1440.1, 0.0);
(393407.5, 3819134.1, 1069.7, 1440.1, 0.0); (393389.0, 3819118.2, 1068.5, 1440.1, 0.0);
(393370.5, 3819102.3, 1069.3, 1440.1, 0.0); (393352.0, 3819086.3, 1071.7, 1440.1, 0.0);
(393333.5, 3819070.4, 1071.4, 1440.1, 0.0); (393315.0, 3819054.5, 1072.5, 1440.1, 0.0);
(393296.5, 3819038.6, 1073.4, 1440.1, 0.0); (393278.0, 3819022.7, 1074.6, 1440.1, 0.0);
(393259.5, 3819006.8, 1071.7, 1440.1, 0.0); (393241.0, 3818990.9, 1067.5, 1440.1, 0.0);
(393222.6, 3818975.0, 1061.0, 1440.1, 0.0); (393204.1, 3818959.1, 1055.3, 1440.1, 0.0);
(393185.6, 3818943.1, 1052.5, 1440.1, 0.0); (393167.1, 3818927.2, 1051.9, 1440.1, 0.0);
(393148.6, 3818911.3, 1052.3, 1440.1, 0.0); (393130.1, 3818895.4, 1051.2, 1440.1, 0.0);
(393111.6, 3818879.5, 1045.3, 1440.1, 0.0); (393093.1, 3818863.6, 1037.0, 1440.1, 0.0);
(393074.6, 3818847.7, 1033.0, 1440.1, 0.0); (393056.1, 3818831.8, 1029.4, 1440.1, 0.0);
(393037.7, 3818815.8, 1025.8, 1440.1, 0.0); (393019.2, 3818799.9, 1022.4, 1440.1, 0.0);
(393000.7, 3818784.0, 1022.1, 1440.1, 0.0); (392982.2, 3818768.1, 1018.1, 1440.1, 0.0);
(392963.7, 3818752.2, 1015.1, 1440.1, 0.0); (392945.2, 3818736.3, 1013.4, 1440.1, 0.0);
(392926.7, 3818720.4, 1011.2, 1440.1, 0.0); (392908.2, 3818704.5, 1010.9, 1440.1, 0.0);
(392889.7, 3818688.6, 1008.0, 1440.1, 0.0); (392871.2, 3818672.6, 1007.9, 1440.1, 0.0);
(392852.8, 3818656.7, 1006.3, 1440.1, 0.0); (392834.3, 3818640.8, 1002.0, 1440.1, 0.0);
(392815.8, 3818624.9, 1000.1, 1440.1, 0.0); (392797.3, 3818609.0, 999.4, 1440.1, 0.0);

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     ( 392778.8, 3818593.1,     999.8,    1440.1,       0.0);         ( 392760.3,
3818577.2,     999.7,    1440.1,       0.0);
     ( 394369.0, 3819961.5,    1124.9,    1440.1,       0.0);         ( 394391.8,
3819970.7,    1124.1,    1440.1,       0.0);
     ( 394414.7, 3819980.0,    1124.1,    1440.1,       0.0);         ( 394162.9,
3820409.0,    1165.5,    1440.1,       0.0);
     ( 394144.4, 3820393.1,    1165.0,    1440.1,       0.0);         ( 394125.9,
3820377.2,    1164.6,    1440.1,       0.0);
     ( 394107.4, 3820361.2,    1164.0,    1440.1,       0.0);         ( 394088.9,
3820345.3,    1162.5,    1440.1,       0.0);
     ( 394070.4, 3820329.4,    1161.6,    1440.1,       0.0);         ( 394051.8,
3820313.4,    1161.0,    1440.1,       0.0);
     ( 394033.3, 3820297.5,    1162.7,    1440.1,       0.0);         ( 394014.8,
3820281.6,    1163.6,    1440.1,       0.0);
     ( 393996.3, 3820265.6,    1164.7,    1440.1,       0.0);         ( 393977.8,
3820249.7,    1168.2,    1440.1,       0.0);
     ( 393959.3, 3820233.8,    1167.7,    1440.1,       0.0);         ( 393940.8,
3820217.9,    1169.9,    1440.1,       0.0);
     ( 393922.2, 3820201.9,    1173.2,    1440.1,       0.0);         ( 393903.7,
3820186.0,    1175.7,    1440.1,       0.0);
     ( 393885.2, 3820170.1,    1177.4,    1440.1,       0.0);         ( 393866.7,
3820154.1,    1177.9,    1440.1,       0.0);
     ( 393848.2, 3820138.2,    1177.1,    1440.1,       0.0);         ( 393829.7,
3820122.3,    1177.7,    1440.1,       0.0);
     ( 393811.1, 3820106.3,    1180.0,    1440.1,       0.0);         ( 393792.6,
3820090.4,    1184.9,    1440.1,       0.0);
     ( 393774.1, 3820074.5,    1194.1,    1440.1,       0.0);         ( 393755.6,
3820058.5,    1199.3,    1440.1,       0.0);
     ( 393737.1, 3820042.6,    1206.8,    1440.1,       0.0);         ( 393718.6,
3820026.7,    1215.8,    1440.1,       0.0);
     ( 393700.1, 3820010.7,    1225.6,    1440.1,       0.0);         ( 393681.5,
3819994.8,    1237.0,    1440.1,       0.0);
     ( 393663.0, 3819978.9,    1250.3,    1440.1,       0.0);         ( 393644.5,
3819962.9,    1263.3,    1440.1,       0.0);
     ( 393626.0, 3819947.0,    1272.7,    1440.1,       0.0);         ( 393607.5,
3819931.1,    1269.2,    1440.1,       0.0);
     ( 393589.0, 3819915.1,    1256.7,    1440.1,       0.0);         ( 393477.9,
3819819.5,    1186.6,    1440.1,       0.0);
     ( 393459.4, 3819803.6,    1181.0,    1440.1,       0.0);         ( 393440.8,
3819787.7,    1171.8,    1440.1,       0.0);
     ( 393422.3, 3819771.8,    1161.0,    1440.1,       0.0);         ( 393403.8,
3819755.8,    1152.1,    1440.1,       0.0);
     ( 393385.3, 3819739.9,    1143.2,    1440.1,       0.0);         ( 393366.8,
3819723.9,    1136.3,    1440.1,       0.0);
     ( 393348.3, 3819708.0,    1130.3,    1440.1,       0.0);         ( 393329.8,
3819692.1,    1124.3,    1440.1,       0.0);
     ( 393311.2, 3819676.1,    1120.4,    1440.1,       0.0);         ( 393292.7,
3819660.2,    1115.5,    1440.1,       0.0);
     ( 393274.2, 3819644.3,    1109.5,    1440.1,       0.0);         ( 393255.7,
3819628.3,    1105.5,    1440.1,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(393200.2, 3819580.6, 1094.5, 1440.1, 0.0); (393181.6, 3819564.6, 1094.7, 1440.1, 0.0);
(393163.1, 3819548.7, 1094.2, 1440.1, 0.0); (393144.6, 3819532.8, 1094.5, 1440.1, 0.0);
(393126.1, 3819516.8, 1092.2, 1440.1, 0.0); (393107.6, 3819500.9, 1091.0, 1440.1, 0.0);
(393089.1, 3819485.0, 1088.9, 1440.1, 0.0); (393070.6, 3819469.0, 1086.8, 1440.1, 0.0);
(393052.0, 3819453.1, 1085.2, 1440.1, 0.0); (393033.5, 3819437.2, 1082.6, 1440.1, 0.0);
(393015.0, 3819421.2, 1080.7, 1440.1, 0.0); (392996.5, 3819405.3, 1078.5, 1440.1, 0.0);
(392978.0, 3819389.4, 1075.8, 1440.1, 0.0); (392959.5, 3819373.4, 1072.9, 1440.1, 0.0);
(392941.0, 3819357.5, 1070.2, 1440.1, 0.0); (392922.4, 3819341.6, 1067.8, 1440.1, 0.0);
(392903.9, 3819325.6, 1065.3, 1440.1, 0.0); (392885.4, 3819309.7, 1063.1, 1440.1, 0.0);
(392866.9, 3819293.8, 1061.0, 1440.1, 0.0); (392848.4, 3819277.8, 1058.8, 1440.1, 0.0);
(392829.9, 3819261.9, 1056.6, 1440.1, 0.0); (392811.3, 3819246.0, 1053.7, 1440.1, 0.0);
(392792.8, 3819230.0, 1052.3, 1440.1, 0.0); (392774.3, 3819214.1, 1048.0, 1440.1, 0.0);
(392755.8, 3819198.2, 1044.6, 1440.1, 0.0); (392737.3, 3819182.2, 1042.7, 1440.1, 0.0);
(392718.8, 3819166.3, 1041.1, 1440.1, 0.0); (392700.3, 3819150.4, 1039.7, 1440.1, 0.0);
(392681.7, 3819134.4, 1038.0, 1440.1, 0.0); (392663.2, 3819118.5, 1036.2, 1440.1, 0.0);
(392644.7, 3819102.6, 1034.6, 1440.1, 0.0); (392626.2, 3819086.6, 1032.8, 1440.1, 0.0);
(392607.7, 3819070.7, 1030.1, 1440.1, 0.0); (392589.2, 3819054.8, 1029.7, 1440.1, 0.0);
(392570.6, 3819038.8, 1027.6, 1440.1, 0.0); (392552.1, 3819022.9, 1026.0, 1440.1, 0.0);

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     ( 392533.6, 3819007.0,    1023.9,    1440.1,       0.0);         ( 392515.1,
3818991.0,    1023.1,    1440.1,       0.0);
     ( 392496.6, 3818975.1,    1021.6,    1440.1,       0.0);         ( 392478.1,
3818959.2,    1020.9,    1440.1,       0.0);
     ( 392459.6, 3818943.2,    1019.2,    1440.1,       0.0);         ( 392330.0,
3818831.7,    1011.4,    1440.1,       0.0);
     ( 394181.5, 3820425.0,    1165.9,    1440.1,       0.0);         ( 394204.3,
3820434.2,    1165.7,    1440.1,       0.0);
     ( 394227.2, 3820443.5,    1165.4,    1440.1,       0.0);         ( 393662.8,
3821644.9,    1351.5,    1440.1,       0.0);
     ( 393644.1, 3821628.9,    1361.7,    1440.1,       0.0);         ( 393625.5,
3821612.9,    1370.9,    1405.7,       0.0);
     ( 393606.8, 3821596.8,    1378.4,    1402.7,       0.0);         ( 393588.2,
3821580.8,    1383.7,    1402.7,       0.0);
     ( 393569.5, 3821564.7,    1387.1,    1402.7,       0.0);         ( 393550.9,
3821548.7,    1388.1,    1402.7,       0.0);
     ( 393532.2, 3821532.6,    1385.5,    1405.7,       0.0);         ( 393513.6,
3821516.6,    1380.8,    1440.1,       0.0);
     ( 393494.9, 3821500.5,    1377.7,    1440.1,       0.0);         ( 393476.3,
3821484.5,    1377.0,    1440.1,       0.0);
     ( 393457.6, 3821468.4,    1377.7,    1440.1,       0.0);         ( 393439.0,
3821452.4,    1379.0,    1440.1,       0.0);
     ( 393420.3, 3821436.3,    1380.1,    1440.1,       0.0);         ( 393401.7,
3821420.3,    1381.5,    1440.1,       0.0);
     ( 393383.0, 3821404.2,    1384.3,    1440.1,       0.0);         ( 393364.4,
3821388.2,    1387.1,    1440.1,       0.0);
     ( 393345.7, 3821372.1,    1389.5,    1440.1,       0.0);         ( 393327.1,
3821356.1,    1388.7,    1440.1,       0.0);
     ( 393308.4, 3821340.0,    1387.0,    1440.1,       0.0);         ( 393289.8,
3821324.0,    1385.5,    1440.1,       0.0);
     ( 393271.1, 3821307.9,    1385.4,    1440.1,       0.0);         ( 393252.5,
3821291.9,    1386.6,    1440.1,       0.0);
     ( 393233.8, 3821275.8,    1390.0,    1440.1,       0.0);         ( 393215.2,
3821259.8,    1396.0,    1440.1,       0.0);
     ( 393196.5, 3821243.8,    1403.8,    1440.1,       0.0);         ( 393177.9,
3821227.7,    1404.2,    1440.1,       0.0);
     ( 393159.2, 3821211.7,    1403.9,    1440.1,       0.0);         ( 393140.6,
3821195.6,    1407.7,    1440.1,       0.0);
     ( 393122.0, 3821179.6,    1412.7,    1440.1,       0.0);         ( 393103.3,
3821163.5,    1415.2,    1440.1,       0.0);
     ( 393084.6, 3821147.5,    1414.0,    1440.1,       0.0);         ( 393066.0,
3821131.4,    1408.4,    1440.1,       0.0);
     ( 393047.3, 3821115.4,    1400.8,    1440.1,       0.0);         ( 393028.7,
3821099.3,    1393.1,    1440.1,       0.0);
     ( 393010.0, 3821083.3,    1384.6,    1440.1,       0.0);         ( 392991.4,
3821067.2,    1376.2,    1440.1,       0.0);
     ( 392972.8, 3821051.2,    1368.3,    1440.1,       0.0);         ( 392954.1,
3821035.1,    1360.6,    1440.1,       0.0);
     ( 392935.5, 3821019.1,    1352.7,    1440.1,       0.0);         ( 392916.8,
3821003.0,    1345.1,    1440.1,       0.0);
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(392898.2, 3820987.0, 1336.0, 1440.1, 0.0); (392879.5, 3820970.9, 1327.2, 1440.1, 0.0);
(392860.9, 3820954.9, 1321.6, 1440.1, 0.0); (392730.3, 3820842.5, 1314.5, 1440.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(392711.7, 3820826.5, 1314.5, 1440.1, 0.0); (392693.0, 3820810.5, 1307.4, 1440.1, 0.0);
(392674.4, 3820794.4, 1298.6, 1440.1, 0.0); (392655.7, 3820778.4, 1289.3, 1440.1, 0.0);
(392637.1, 3820762.3, 1279.8, 1440.1, 0.0); (392618.4, 3820746.3, 1269.7, 1440.1, 0.0);
(392599.8, 3820730.2, 1258.2, 1440.1, 0.0); (392581.1, 3820714.2, 1244.6, 1440.1, 0.0);
(392562.5, 3820698.1, 1246.6, 1440.1, 0.0); (392543.8, 3820682.1, 1249.8, 1440.1, 0.0);
(392525.2, 3820666.0, 1254.2, 1440.1, 0.0); (392506.5, 3820650.0, 1262.4, 1440.1, 0.0);
(392487.9, 3820633.9, 1271.9, 1440.1, 0.0); (392469.2, 3820617.9, 1282.6, 1440.1, 0.0);
(392450.6, 3820601.8, 1291.8, 1440.1, 0.0); (392431.9, 3820585.8, 1297.5, 1440.1, 0.0);
(392413.3, 3820569.7, 1299.9, 1440.1, 0.0); (392394.6, 3820553.7, 1299.5, 1440.1, 0.0);
(392376.0, 3820537.6, 1296.6, 1440.1, 0.0); (392357.3, 3820521.6, 1291.1, 1440.1, 0.0);
(392338.7, 3820505.5, 1282.0, 1440.1, 0.0); (392320.0, 3820489.5, 1270.2, 1440.1, 0.0);
(392301.4, 3820473.4, 1255.6, 1440.1, 0.0); (392282.7, 3820457.4, 1241.4, 1440.1, 0.0);
(392264.1, 3820441.3, 1228.8, 1440.1, 0.0); (392245.4, 3820425.3, 1218.8, 1440.1, 0.0);
(392226.8, 3820409.3, 1211.8, 1440.1, 0.0); (392208.1, 3820393.2, 1210.6, 1440.1, 0.0);
(392189.5, 3820377.2, 1208.7, 1440.1, 0.0); (392170.8, 3820361.1, 1203.2, 1440.1, 0.0);
(392152.2, 3820345.1, 1193.3, 1440.1, 0.0); (392133.5, 3820329.0, 1182.5, 1440.1, 0.0);
(392114.9, 3820313.0, 1170.7, 1440.1, 0.0); (392096.2, 3820296.9, 1158.7, 1440.1, 0.0);

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     ( 392077.6, 3820280.9,    1148.2,    1440.1,       0.0);         ( 392059.0,
3820264.8,    1139.4,    1440.1,       0.0);
     ( 392040.3, 3820248.8,    1134.3,    1440.1,       0.0);         ( 392021.6,
3820232.7,    1130.7,    1440.1,       0.0);
     ( 392003.0, 3820216.7,    1126.4,    1440.1,       0.0);         ( 391984.3,
3820200.6,    1126.1,    1440.1,       0.0);
     ( 391965.7, 3820184.6,    1124.3,    1440.1,       0.0);         ( 391947.0,
3820168.5,    1119.5,    1440.1,       0.0);
     ( 391928.4, 3820152.5,    1113.8,    1525.3,       0.0);         ( 391909.8,
3820136.4,    1111.6,    1526.2,       0.0);
     ( 391891.1, 3820120.4,    1110.3,    1526.2,       0.0);         ( 391872.5,
3820104.3,    1108.2,    1530.3,       0.0);
     ( 391853.8, 3820088.3,    1105.3,    1530.3,       0.0);         ( 391835.2,
3820072.2,    1101.7,    1530.3,       0.0);
     ( 391816.5, 3820056.2,    1098.2,    1587.1,       0.0);         ( 391797.9,
3820040.1,    1094.5,    1587.1,       0.0);
     ( 391779.2, 3820024.1,    1090.8,    1587.1,       0.0);         ( 391760.6,
3820008.1,    1088.0,    1587.1,       0.0);
     ( 391741.9, 3819992.0,    1084.8,    1587.1,       0.0);         ( 391723.3,
3819976.0,    1081.7,    1587.1,       0.0);
     ( 391704.6, 3819959.9,    1077.8,    1587.1,       0.0);         ( 391686.0,
3819943.9,    1074.9,    1587.1,       0.0);
     ( 391667.3, 3819927.8,    1072.1,    1587.1,       0.0);         ( 391648.7,
3819911.8,    1069.1,    1587.1,       0.0);
     ( 391630.0, 3819895.7,    1066.1,    1587.1,       0.0);         ( 391611.4,
3819879.7,    1063.0,    1587.1,       0.0);
     ( 391592.7, 3819863.6,    1060.0,    1587.1,       0.0);         ( 391574.1,
3819847.6,    1056.6,    1587.1,       0.0);
     ( 391555.4, 3819831.5,    1053.7,    1587.1,       0.0);         ( 391536.8,
3819815.5,    1050.8,    1587.1,       0.0);
     ( 391518.1, 3819799.4,    1048.3,    1587.8,       0.0);         ( 391499.5,
3819783.4,    1045.4,    1587.9,       0.0);
     ( 391480.8, 3819767.3,    1042.8,    1587.9,       0.0);         ( 391462.2,
3819751.3,    1039.5,    1587.9,       0.0);
     ( 391443.5, 3819735.2,    1035.7,    1587.9,       0.0);         ( 391424.9,
3819719.2,    1033.5,    1587.9,       0.0);
     ( 391406.2, 3819703.1,    1031.2,    1588.5,       0.0);         ( 391387.6,
3819687.1,    1029.0,    1588.5,       0.0);
     ( 391368.9, 3819671.0,    1027.1,    1588.5,       0.0);         ( 391350.3,
3819655.0,    1025.2,    1588.9,       0.0);
     ( 391331.6, 3819638.9,    1023.0,    1590.6,       0.0);         ( 391313.0,
3819622.9,    1021.0,    1590.6,       0.0);
     ( 391294.3, 3819606.9,    1018.1,    1590.6,       0.0);         ( 391275.7,
3819590.8,    1015.8,    1590.6,       0.0);
     ( 391257.0, 3819574.8,    1013.1,    1591.3,       0.0);         ( 391238.4,
3819558.7,    1010.9,    1591.3,       0.0);
     ( 391219.7, 3819542.7,    1009.2,    1591.3,       0.0);         ( 391201.1,
3819526.6,    1007.0,    1591.3,       0.0);
     ( 391182.4, 3819510.6,    1004.4,    1591.3,       0.0);         ( 393681.4,
3821661.0,    1341.0,    1440.1,       0.0);
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(393704.3, 3821670.2, 1332.7, 1440.1, 0.0); (393727.1,
3821679.5, 1326.3, 1440.1, 0.0);
(393162.8, 3822881.0, 1081.9, 1587.1, 0.0); (393144.1,
3822865.0, 1087.0, 1587.1, 0.0);
(393125.5, 3822849.0, 1087.3, 1587.1, 0.0); (393106.9,
3822832.9, 1082.9, 1587.1, 0.0);

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

(393088.3, 3822816.9, 1082.8, 1587.1, 0.0); (393069.7,
3822800.9, 1083.2, 1587.1, 0.0);
(393051.1, 3822784.9, 1086.1, 1587.1, 0.0); (393032.4,
3822768.8, 1091.7, 1587.1, 0.0);
(393013.8, 3822752.8, 1097.1, 1587.1, 0.0); (392995.2,
3822736.8, 1099.0, 1587.1, 0.0);
(392976.6, 3822720.8, 1102.5, 1587.1, 0.0); (392958.0,
3822704.8, 1108.9, 1587.1, 0.0);
(392939.3, 3822688.7, 1113.0, 1587.1, 0.0); (392920.7,
3822672.7, 1113.3, 1587.1, 0.0);
(392902.1, 3822656.7, 1115.9, 1587.1, 0.0); (392883.5,
3822640.7, 1120.6, 1587.1, 0.0);
(392864.9, 3822624.6, 1118.6, 1587.1, 0.0); (392846.2,
3822608.6, 1115.1, 1587.1, 0.0);
(392827.6, 3822592.6, 1120.3, 1587.1, 0.0); (392809.0,
3822576.6, 1126.6, 1587.1, 0.0);
(392790.4, 3822560.6, 1134.7, 1584.3, 0.0); (392771.8,
3822544.5, 1142.2, 1530.3, 0.0);
(392753.1, 3822528.5, 1145.9, 1530.3, 0.0); (392734.5,
3822512.5, 1142.3, 1530.3, 0.0);
(392715.9, 3822496.5, 1134.7, 1587.1, 0.0); (392697.3,
3822480.4, 1125.9, 1587.1, 0.0);
(392678.7, 3822464.4, 1124.7, 1587.1, 0.0); (392660.1,
3822448.4, 1126.7, 1587.1, 0.0);
(392641.4, 3822432.4, 1134.3, 1587.1, 0.0); (392622.8,
3822416.4, 1143.5, 1587.1, 0.0);
(392604.2, 3822400.3, 1151.2, 1582.1, 0.0); (392585.6,
3822384.3, 1158.6, 1530.3, 0.0);
(392567.0, 3822368.3, 1163.9, 1530.3, 0.0); (392548.3,
3822352.3, 1166.6, 1530.3, 0.0);
(392529.7, 3822336.2, 1164.6, 1530.3, 0.0); (392511.1,
3822320.2, 1158.8, 1530.3, 0.0);

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     ( 392492.5, 3822304.2,    1152.7,    1587.1,       0.0);         ( 392473.9,
3822288.2,    1155.1,    1587.1,       0.0);
     ( 392455.2, 3822272.2,    1153.0,    1587.1,       0.0);         ( 392436.6,
3822256.1,    1160.1,    1585.6,       0.0);
     ( 392418.0, 3822240.1,    1162.1,    1584.3,       0.0);         ( 392399.4,
3822224.1,    1168.1,    1530.3,       0.0);
     ( 392380.8, 3822208.1,    1173.9,    1530.3,       0.0);         ( 392362.1,
3822192.0,    1180.2,    1530.3,       0.0);
     ( 392343.5, 3822176.0,    1185.2,    1530.3,       0.0);         ( 392324.9,
3822160.0,    1187.6,    1526.2,       0.0);
     ( 392306.3, 3822144.0,    1191.5,    1526.2,       0.0);         ( 392287.7,
3822128.0,    1198.8,    1440.1,       0.0);
     ( 392269.0, 3822111.9,    1204.6,    1440.1,       0.0);         ( 392250.4,
3822095.9,    1210.6,    1440.1,       0.0);
     ( 392231.8, 3822079.9,    1214.0,    1440.1,       0.0);         ( 392213.2,
3822063.9,    1215.3,    1440.1,       0.0);
     ( 392194.6, 3822047.8,    1227.5,    1440.1,       0.0);         ( 392176.0,
3822031.8,    1238.7,    1440.1,       0.0);
     ( 392157.3, 3822015.8,    1249.5,    1440.1,       0.0);         ( 392138.7,
3821999.8,    1259.2,    1440.1,       0.0);
     ( 392120.1, 3821983.8,    1268.5,    1440.1,       0.0);         ( 391989.8,
3821871.6,    1309.3,    1424.6,       0.0);
     ( 391971.1, 3821855.6,    1318.6,    1424.6,       0.0);         ( 391952.5,
3821839.6,    1327.7,    1424.6,       0.0);
     ( 391933.9, 3821823.5,    1336.2,    1424.6,       0.0);         ( 391915.3,
3821807.5,    1344.9,    1424.6,       0.0);
     ( 391896.7, 3821791.5,    1352.3,    1424.6,       0.0);         ( 391878.0,
3821775.5,    1353.1,    1424.6,       0.0);
     ( 391859.4, 3821759.4,    1347.2,    1424.6,       0.0);         ( 391840.8,
3821743.4,    1337.9,    1424.6,       0.0);
     ( 391822.2, 3821727.4,    1326.5,    1424.6,       0.0);         ( 391803.6,
3821711.4,    1318.2,    1424.6,       0.0);
     ( 391785.0, 3821695.4,    1312.8,    1424.6,       0.0);         ( 391766.3,
3821679.3,    1309.4,    1424.6,       0.0);
     ( 391747.7, 3821663.3,    1306.6,    1424.6,       0.0);         ( 391729.1,
3821647.3,    1304.3,    1424.6,       0.0);
     ( 391710.5, 3821631.3,    1301.4,    1424.6,       0.0);         ( 391691.9,
3821615.2,    1293.6,    1424.6,       0.0);
     ( 391673.2, 3821599.2,    1284.2,    1440.1,       0.0);         ( 391654.6,
3821583.2,    1273.3,    1440.1,       0.0);
     ( 391636.0, 3821567.2,    1263.5,    1440.1,       0.0);         ( 391617.4,
3821551.2,    1259.7,    1440.1,       0.0);
     ( 391598.8, 3821535.1,    1257.5,    1440.1,       0.0);         ( 391580.1,
3821519.1,    1256.9,    1440.1,       0.0);
     ( 391561.5, 3821503.1,    1254.8,    1440.1,       0.0);         ( 391542.9,
3821487.1,    1250.2,    1440.1,       0.0);
     ( 391524.3, 3821471.0,    1242.5,    1440.1,       0.0);         ( 391505.7,
3821455.0,    1236.6,    1440.1,       0.0);
     ( 391487.0, 3821439.0,    1233.1,    1525.3,       0.0);         ( 391468.4,
3821423.0,    1228.6,    1530.3,       0.0);
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(391449.8, 3821407.0, 1223.8, 1530.3, 0.0); (391431.2, 3821390.9, 1221.9, 1530.3, 0.0);
(391412.6, 3821374.9, 1222.8, 1530.3, 0.0); (391394.0, 3821358.9, 1224.9, 1530.3, 0.0);
(391375.3, 3821342.9, 1219.6, 1530.3, 0.0); (391356.7, 3821326.8, 1214.1, 1587.1, 0.0);
(391338.1, 3821310.8, 1201.8, 1587.1, 0.0); (391319.5, 3821294.8, 1188.8, 1587.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(391300.9, 3821278.8, 1177.3, 1587.1, 0.0); (391282.2, 3821262.8, 1165.2, 1587.1, 0.0);
(391263.6, 3821246.7, 1156.7, 1587.1, 0.0); (391245.0, 3821230.7, 1148.3, 1587.8, 0.0);
(391226.4, 3821214.7, 1140.6, 1587.9, 0.0); (391207.8, 3821198.7, 1133.2, 1587.9, 0.0);
(391189.1, 3821182.6, 1127.8, 1588.5, 0.0); (391170.5, 3821166.6, 1123.3, 1588.5, 0.0);
(391151.9, 3821150.6, 1118.8, 1590.4, 0.0); (391133.3, 3821134.6, 1115.3, 1590.6, 0.0);
(391114.7, 3821118.6, 1112.6, 1590.6, 0.0); (391096.0, 3821102.5, 1108.5, 1590.6, 0.0);
(391077.4, 3821086.5, 1106.0, 1591.3, 0.0); (391058.8, 3821070.5, 1103.1, 1591.3, 0.0);
(391040.2, 3821054.5, 1100.4, 1591.3, 0.0); (391021.6, 3821038.4, 1098.1, 1591.3, 0.0);
(391003.0, 3821022.4, 1096.3, 1591.3, 0.0); (390984.3, 3821006.4, 1093.8, 1591.3, 0.0);
(390965.7, 3820990.4, 1090.7, 1591.3, 0.0); (390947.1, 3820974.4, 1085.5, 1591.3, 0.0);
(390928.5, 3820958.3, 1082.3, 1591.3, 0.0); (390909.9, 3820942.3, 1078.2, 1591.3, 0.0);
(390891.2, 3820926.3, 1075.8, 1591.3, 0.0); (390872.6, 3820910.3, 1073.9, 1591.3, 0.0);
(390854.0, 3820894.2, 1072.0, 1591.3, 0.0); (390835.4, 3820878.2, 1069.8, 1591.3, 0.0);
(390816.8, 3820862.2, 1068.0, 1591.3, 0.0); (390798.1, 3820846.2, 1066.3, 1591.3, 0.0);
(390779.5, 3820830.2, 1064.4, 1591.3, 0.0); (390760.9, 3820814.1, 1062.8, 1591.3, 0.0);

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     ( 390742.3, 3820798.1,    1061.2,    1591.3,       0.0);         ( 390723.7,
3820782.1,    1059.7,    1591.3,       0.0);
     ( 390705.0, 3820766.1,    1058.4,    1591.3,       0.0);         ( 390686.4,
3820750.0,    1057.1,    1591.3,       0.0);
     ( 390667.8, 3820734.0,    1056.4,    1591.3,       0.0);         ( 390649.2,
3820718.0,    1055.3,    1591.3,       0.0);
     ( 390630.6, 3820702.0,    1054.4,    1591.3,       0.0);         ( 390612.0,
3820686.0,    1053.8,    1591.3,       0.0);
     ( 390593.3, 3820669.9,    1052.8,    1591.3,       0.0);         ( 390574.7,
3820653.9,    1052.5,    1591.3,       0.0);
     ( 390556.1, 3820637.9,    1051.9,    1591.3,       0.0);         ( 390537.5,
3820621.9,    1051.9,    1591.3,       0.0);
     ( 390518.8, 3820605.8,    1053.0,    1591.3,       0.0);         ( 390500.2,
3820589.8,    1055.0,    1591.3,       0.0);
     ( 390481.6, 3820573.8,    1057.5,    1591.3,       0.0);         ( 390463.0,
3820557.8,    1059.3,    1591.3,       0.0);
     ( 390444.4, 3820541.8,    1060.1,    1591.3,       0.0);         ( 390425.8,
3820525.7,    1058.6,    1591.3,       0.0);
     ( 390407.1, 3820509.7,    1053.6,    1591.3,       0.0);         ( 390388.5,
3820493.7,    1052.6,    1591.3,       0.0);
     ( 390369.9, 3820477.7,    1052.7,    1591.3,       0.0);         ( 390351.3,
3820461.6,    1053.8,    1591.3,       0.0);
     ( 390332.7, 3820445.6,    1056.0,    1591.3,       0.0);         ( 390314.0,
3820429.6,    1058.5,    1591.3,       0.0);
     ( 390295.4, 3820413.6,    1060.8,    1591.3,       0.0);         ( 390276.8,
3820397.6,    1061.7,    1591.3,       0.0);
     ( 390258.2, 3820381.5,    1062.1,    1591.3,       0.0);         ( 390239.6,
3820365.5,    1065.4,    1591.3,       0.0);
     ( 390221.0, 3820349.5,    1070.9,    1591.3,       0.0);         ( 390202.3,
3820333.5,    1077.2,    1591.3,       0.0);
     ( 390183.7, 3820317.4,    1078.1,    1591.3,       0.0);         ( 390165.1,
3820301.4,    1076.4,    1591.3,       0.0);
     ( 390146.5, 3820285.4,    1078.7,    1591.3,       0.0);         ( 390127.8,
3820269.4,    1076.0,    1591.3,       0.0);
     ( 390109.2, 3820253.4,    1078.0,    1591.3,       0.0);         ( 390090.6,
3820237.3,    1081.6,    1591.3,       0.0);
     ( 390072.0, 3820221.3,    1087.1,    1591.3,       0.0);         ( 390053.4,
3820205.3,    1096.6,    1591.3,       0.0);
     ( 390034.8, 3820189.3,    1099.5,    1591.3,       0.0);         ( 393181.4,
3822897.0,    1071.2,    1587.1,       0.0);
     ( 393204.3, 3822906.3,    1063.5,    1587.1,       0.0);         ( 393227.1,
3822915.5,    1056.9,    1587.1,       0.0);
     ( 392662.7, 3824117.0,    1004.9,    1590.4,       0.0);         ( 392644.0,
3824100.9,    1006.4,    1590.4,       0.0);
     ( 392625.3, 3824084.8,    1009.5,    1590.4,       0.0);         ( 392606.6,
3824068.7,    1014.0,    1588.5,       0.0);
     ( 392587.9, 3824052.6,    1020.0,    1588.5,       0.0);         ( 392569.2,
3824036.5,    1027.8,    1588.5,       0.0);
     ( 392550.5, 3824020.5,    1030.7,    1588.5,       0.0);         ( 392531.8,
3824004.4,    1032.7,    1588.5,       0.0);
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(392513.1, 3823988.3, 1032.3, 1588.5, 0.0); (392494.5, 3823972.2, 1028.0, 1588.5, 0.0);
(392475.8, 3823956.1, 1026.8, 1588.9, 0.0); (392457.1, 3823940.0, 1031.8, 1588.5, 0.0);
(392438.4, 3823923.9, 1039.5, 1588.5, 0.0); (392419.7, 3823907.9, 1038.0, 1588.5, 0.0);
(392401.0, 3823891.8, 1027.5, 1590.6, 0.0); (392382.3, 3823875.7, 1021.7, 1590.6, 0.0);
(392363.6, 3823859.6, 1022.2, 1590.6, 0.0); (392344.9, 3823843.5, 1025.9, 1590.6, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(392326.2, 3823827.4, 1033.3, 1590.6, 0.0); (392307.5, 3823811.4, 1042.3, 1590.6, 0.0);
(392288.9, 3823795.3, 1050.5, 1588.5, 0.0); (392270.2, 3823779.2, 1058.4, 1588.5, 0.0);
(392251.5, 3823763.1, 1065.5, 1588.5, 0.0); (392232.8, 3823747.0, 1069.8, 1587.9, 0.0);
(392214.1, 3823730.9, 1062.2, 1588.5, 0.0); (392195.4, 3823714.9, 1056.3, 1590.4, 0.0);
(392176.7, 3823698.8, 1054.4, 1590.6, 0.0); (392158.0, 3823682.7, 1050.4, 1590.6, 0.0);
(392139.3, 3823666.6, 1045.9, 1590.6, 0.0); (392120.6, 3823650.5, 1044.5, 1591.3, 0.0);
(392102.0, 3823634.4, 1047.4, 1591.3, 0.0); (392083.3, 3823618.4, 1044.8, 1591.3, 0.0);
(392064.6, 3823602.3, 1045.3, 1591.3, 0.0); (392045.9, 3823586.2, 1045.8, 1591.3, 0.0);
(392027.2, 3823570.1, 1042.2, 1591.3, 0.0); (392008.5, 3823554.0, 1043.0, 1591.3, 0.0);
(391989.8, 3823537.9, 1043.4, 1591.3, 0.0); (391971.1, 3823521.9, 1044.7, 1591.3, 0.0);
(391952.4, 3823505.8, 1047.9, 1591.3, 0.0); (391933.7, 3823489.7, 1051.6, 1591.3, 0.0);
(391915.0, 3823473.6, 1056.0, 1591.3, 0.0); (391896.4, 3823457.5, 1060.9, 1591.3, 0.0);
(391877.7, 3823441.4, 1067.6, 1591.3, 0.0); (391859.0, 3823425.4, 1075.2, 1590.6, 0.0);
(391840.3, 3823409.3, 1082.3, 1590.6, 0.0); (391821.6, 3823393.2, 1095.5, 1590.4, 0.0);

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     ( 391802.9, 3823377.1,    1106.4,    1588.5,       0.0);         ( 391784.2,
3823361.0,    1111.8,    1588.5,       0.0);
     ( 391765.5, 3823344.9,    1114.7,    1588.5,       0.0);         ( 391746.8,
3823328.9,    1127.1,    1587.9,       0.0);
     ( 391728.1, 3823312.8,    1139.6,    1587.9,       0.0);         ( 391709.5,
3823296.7,    1150.5,    1587.1,       0.0);
     ( 391690.8, 3823280.6,    1160.7,    1587.1,       0.0);         ( 391672.1,
3823264.5,    1171.1,    1587.1,       0.0);
     ( 391653.4, 3823248.4,    1175.5,    1587.1,       0.0);         ( 391634.7,
3823232.4,    1172.1,    1587.1,       0.0);
     ( 391616.0, 3823216.3,    1167.8,    1587.1,       0.0);         ( 391597.3,
3823200.2,    1164.3,    1587.1,       0.0);
     ( 391578.6, 3823184.1,    1161.6,    1587.1,       0.0);         ( 391559.9,
3823168.0,    1161.4,    1587.8,       0.0);
     ( 391541.2, 3823151.9,    1168.2,    1587.1,       0.0);         ( 391522.5,
3823135.9,    1173.2,    1587.1,       0.0);
     ( 391503.8, 3823119.8,    1177.3,    1587.1,       0.0);         ( 391485.2,
3823103.7,    1182.5,    1587.1,       0.0);
     ( 391466.5, 3823087.6,    1186.2,    1587.1,       0.0);         ( 391447.8,
3823071.5,    1180.2,    1587.1,       0.0);
     ( 391429.1, 3823055.4,    1170.1,    1587.9,       0.0);         ( 391410.4,
3823039.3,    1158.0,    1587.9,       0.0);
     ( 391391.7, 3823023.3,    1145.3,    1588.5,       0.0);         ( 391373.0,
3823007.2,    1132.4,    1590.6,       0.0);
     ( 391242.2, 3822894.6,    1120.5,    1591.3,       0.0);         ( 391223.5,
3822878.5,    1121.8,    1591.3,       0.0);
     ( 391204.8, 3822862.4,    1136.0,    1591.3,       0.0);         ( 391186.1,
3822846.3,    1148.5,    1590.6,       0.0);
     ( 391167.4, 3822830.3,    1157.7,    1590.6,       0.0);         ( 391148.7,
3822814.2,    1160.5,    1590.6,       0.0);
     ( 391130.0, 3822798.1,    1159.5,    1590.6,       0.0);         ( 391111.3,
3822782.0,    1158.7,    1590.6,       0.0);
     ( 391092.7, 3822765.9,    1167.1,    1590.4,       0.0);         ( 391074.0,
3822749.8,    1172.4,    1588.5,       0.0);
     ( 391055.3, 3822733.8,    1183.3,    1588.5,       0.0);         ( 391036.6,
3822717.7,    1195.5,    1587.9,       0.0);
     ( 391017.9, 3822701.6,    1207.0,    1587.9,       0.0);         ( 390999.2,
3822685.5,    1220.6,    1587.1,       0.0);
     ( 390980.5, 3822669.4,    1232.9,    1587.1,       0.0);         ( 390961.8,
3822653.3,    1244.9,    1587.1,       0.0);
     ( 390943.1, 3822637.3,    1254.0,    1587.1,       0.0);         ( 390924.5,
3822621.2,    1259.1,    1587.1,       0.0);
     ( 390905.8, 3822605.1,    1264.3,    1587.1,       0.0);         ( 390887.1,
3822589.0,    1271.4,    1587.1,       0.0);
     ( 390868.4, 3822572.9,    1278.3,    1587.1,       0.0);         ( 390849.7,
3822556.8,    1285.5,    1587.1,       0.0);
     ( 390831.0, 3822540.8,    1294.6,    1587.1,       0.0);         ( 390812.3,
3822524.7,    1302.1,    1587.1,       0.0);
     ( 390793.6, 3822508.6,    1309.4,    1587.1,       0.0);         ( 390774.9,
3822492.5,    1309.4,    1587.1,       0.0);
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(390756.2, 3822476.4, 1305.3, 1587.1, 0.0); (390737.5,
3822460.3, 1297.1, 1587.1, 0.0);
(390718.8, 3822444.3, 1292.7, 1587.1, 0.0); (390700.2,
3822428.2, 1294.1, 1587.1, 0.0);
(390681.5, 3822412.1, 1294.5, 1587.1, 0.0); (390662.8,
3822396.0, 1287.3, 1587.1, 0.0);
(390644.1, 3822379.9, 1276.1, 1587.1, 0.0); (390625.4,
3822363.8, 1270.2, 1587.1, 0.0);
(390606.7, 3822347.8, 1274.5, 1587.1, 0.0); (390588.0,
3822331.7, 1272.8, 1587.1, 0.0);
(390569.3, 3822315.6, 1261.9, 1587.1, 0.0); (390550.6,
3822299.5, 1252.2, 1587.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(390531.9, 3822283.4, 1253.1, 1587.8, 0.0); (390513.2,
3822267.3, 1255.9, 1587.1, 0.0);
(390494.6, 3822251.2, 1257.7, 1587.1, 0.0); (390475.9,
3822235.2, 1253.4, 1587.9, 0.0);
(390457.2, 3822219.1, 1241.9, 1587.9, 0.0); (390438.5,
3822203.0, 1243.7, 1587.9, 0.0);
(390419.8, 3822186.9, 1250.2, 1587.9, 0.0); (390401.1,
3822170.8, 1250.8, 1587.9, 0.0);
(390382.4, 3822154.8, 1237.8, 1588.5, 0.0); (390363.7,
3822138.7, 1227.7, 1590.4, 0.0);
(390345.0, 3822122.6, 1228.8, 1590.4, 0.0); (390326.3,
3822106.5, 1236.3, 1588.5, 0.0);
(390307.7, 3822090.4, 1239.5, 1588.5, 0.0); (390289.0,
3822074.3, 1236.8, 1588.5, 0.0);
(390270.3, 3822058.2, 1229.7, 1590.6, 0.0); (390251.6,
3822042.2, 1225.3, 1590.6, 0.0);
(390232.9, 3822026.1, 1217.9, 1591.3, 0.0); (390214.2,
3822010.0, 1208.9, 1591.3, 0.0);
(390195.5, 3821993.9, 1199.2, 1591.3, 0.0); (390176.8,
3821977.8, 1203.8, 1591.3, 0.0);
(390158.1, 3821961.8, 1205.7, 1591.3, 0.0); (390139.4,
3821945.7, 1207.5, 1591.3, 0.0);
(390120.8, 3821929.6, 1204.7, 1591.3, 0.0); (390102.1,
3821913.5, 1194.3, 1591.3, 0.0);
(390083.4, 3821897.4, 1185.2, 1591.3, 0.0); (390064.7,
3821881.3, 1183.3, 1591.3, 0.0);

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    ( 390046.0, 3821865.2,    1190.3,    1591.3,       0.0);         ( 390027.3,
3821849.2,    1189.2,    1591.3,       0.0);
    ( 390008.6, 3821833.1,    1184.0,    1591.3,       0.0);         ( 389989.9,
3821817.0,    1181.6,    1591.3,       0.0);
    ( 389971.2, 3821800.9,    1190.5,    1591.3,       0.0);         ( 389952.5,
3821784.8,    1203.1,    1591.3,       0.0);
    ( 389933.8, 3821768.7,    1212.3,    1591.3,       0.0);         ( 389915.2,
3821752.7,    1215.7,    1591.3,       0.0);
    ( 389896.5, 3821736.6,    1215.5,    1591.3,       0.0);         ( 389877.8,
3821720.5,    1217.9,    1591.3,       0.0);
    ( 389859.1, 3821704.4,    1227.5,    1591.3,       0.0);         ( 389840.4,
3821688.3,    1236.1,    1591.3,       0.0);
    ( 389821.7, 3821672.2,    1246.0,    1591.3,       0.0);         ( 389803.0,
3821656.2,    1250.0,    1590.6,       0.0);
    ( 389784.3, 3821640.1,    1248.8,    1590.6,       0.0);         ( 389765.6,
3821624.0,    1252.2,    1590.6,       0.0);
    ( 389746.9, 3821607.9,    1256.0,    1590.6,       0.0);         ( 389728.2,
3821591.8,    1260.4,    1590.6,       0.0);
    ( 389709.6, 3821575.7,    1261.7,    1590.6,       0.0);         ( 389690.9,
3821559.7,    1255.7,    1590.6,       0.0);
    ( 389672.2, 3821543.6,    1247.9,    1591.3,       0.0);         ( 389653.5,
3821527.5,    1239.4,    1591.3,       0.0);
    ( 389634.8, 3821511.4,    1231.8,    1591.3,       0.0);         ( 389616.1,
3821495.3,    1223.8,    1591.3,       0.0);
    ( 389597.4, 3821479.2,    1214.0,    1591.3,       0.0);         ( 389578.7,
3821463.1,    1203.6,    1591.3,       0.0);
    ( 389560.0, 3821447.1,    1195.0,    1591.3,       0.0);         ( 389541.3,
3821431.0,    1189.7,    1591.3,       0.0);
    ( 389522.6, 3821414.9,    1186.4,    1591.3,       0.0);         ( 389504.0,
3821398.8,    1177.7,    1591.3,       0.0);
    ( 389485.3, 3821382.7,    1167.0,    1591.3,       0.0);         ( 389466.6,
3821366.6,    1157.8,    1591.3,       0.0);
    ( 389447.9, 3821350.6,    1145.2,    1591.3,       0.0);         ( 389429.2,
3821334.5,    1139.8,    1591.3,       0.0);
    ( 389410.5, 3821318.4,    1132.4,    1591.3,       0.0);         ( 389391.8,
3821302.3,    1126.7,    1591.3,       0.0);
    ( 389373.1, 3821286.2,    1120.2,    1591.3,       0.0);         ( 389354.4,
3821270.1,    1119.2,    1591.3,       0.0);
    ( 389335.8, 3821254.1,    1114.5,    1591.3,       0.0);         ( 389317.1,
3821238.0,    1113.0,    1591.3,       0.0);
    ( 389298.4, 3821221.9,    1108.4,    1591.3,       0.0);         ( 389279.7,
3821205.8,    1104.5,    1591.3,       0.0);
    ( 389261.0, 3821189.7,    1101.9,    1591.3,       0.0);         ( 389242.3,
3821173.6,    1101.3,    1591.3,       0.0);
    ( 389223.6, 3821157.6,    1102.1,    1591.3,       0.0);         ( 389204.9,
3821141.5,    1101.2,    1591.3,       0.0);
    ( 389186.2, 3821125.4,    1095.4,    1591.3,       0.0);         ( 389167.5,
3821109.3,    1089.6,    1591.3,       0.0);
    ( 389148.8, 3821093.2,    1086.5,    1591.3,       0.0);         ( 389130.1,
3821077.1,    1082.6,    1591.3,       0.0);
```

(389111.5, 3821061.1, 1079.4, 1591.3, 0.0); (389092.8, 3821045.0, 1078.5, 1591.3, 0.0);
(389074.1, 3821028.9, 1078.0, 1591.3, 0.0); (389055.4, 3821012.8, 1078.7, 1591.3, 0.0);
(389036.7, 3820996.7, 1079.8, 1591.3, 0.0); (389018.0, 3820980.6, 1080.6, 1591.3, 0.0);
(388999.3, 3820964.6, 1080.5, 1591.3, 0.0); (388980.6, 3820948.5, 1079.0, 1591.3, 0.0);
(388961.9, 3820932.4, 1077.5, 1591.3, 0.0); (388943.2, 3820916.3, 1075.8, 1591.3, 0.0);
(388924.5, 3820900.2, 1074.1, 1591.3, 0.0); (388905.9, 3820884.1, 1072.3, 1591.3, 0.0);
(388887.2, 3820868.1, 1071.9, 1591.3, 0.0); (392681.4, 3824133.0, 1007.0, 1588.5, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(392704.2, 3824142.3, 1014.0, 1588.5, 0.0); (392727.1, 3824151.5, 1019.2, 1587.9, 0.0);
(392162.7, 3825353.0, 926.2, 1591.3, 0.0); (392144.0, 3825336.9, 925.7, 1591.3, 0.0);
(392125.3, 3825320.9, 926.6, 1591.3, 0.0); (392106.7, 3825304.8, 927.4, 1591.3, 0.0);
(392088.0, 3825288.8, 928.4, 1591.3, 0.0); (392069.3, 3825272.7, 929.1, 1591.3, 0.0);
(392050.7, 3825256.6, 931.4, 1591.3, 0.0); (392032.0, 3825240.6, 935.1, 1591.3, 0.0);
(392013.4, 3825224.5, 938.5, 1591.3, 0.0); (391994.7, 3825208.5, 940.1, 1591.3, 0.0);
(391976.0, 3825192.4, 941.4, 1591.3, 0.0); (391957.4, 3825176.3, 943.6, 1591.3, 0.0);
(391938.7, 3825160.3, 943.9, 1591.3, 0.0); (391920.0, 3825144.2, 944.9, 1591.3, 0.0);
(391901.4, 3825128.2, 944.6, 1591.3, 0.0); (391882.7, 3825112.1, 944.9, 1591.3, 0.0);
(391864.1, 3825096.0, 945.7, 1591.3, 0.0); (391845.4, 3825080.0, 947.2, 1591.3, 0.0);
(391826.7, 3825063.9, 948.7, 1591.3, 0.0); (391808.1, 3825047.9, 949.5, 1591.3, 0.0);
(391789.4, 3825031.8, 950.5, 1591.3, 0.0); (391770.7, 3825015.7, 951.0, 1591.3, 0.0);

```
     ( 391752.1, 3824999.7,     951.8,    1591.3,       0.0);         ( 391733.4,
3824983.6,     953.3,    1591.3,       0.0);
     ( 391714.8, 3824967.6,     956.2,    1591.3,       0.0);         ( 391696.1,
3824951.5,     957.5,    1591.3,       0.0);
     ( 391677.4, 3824935.4,     957.7,    1591.3,       0.0);         ( 391658.8,
3824919.4,     960.4,    1591.3,       0.0);
     ( 391640.1, 3824903.3,     967.3,    1591.3,       0.0);         ( 391621.4,
3824887.3,     972.1,    1591.3,       0.0);
     ( 391602.8, 3824871.2,     975.4,    1591.3,       0.0);         ( 391584.1,
3824855.1,     980.5,    1591.3,       0.0);
     ( 391565.5, 3824839.1,     984.8,    1591.3,       0.0);         ( 391546.8,
3824823.0,     986.7,    1591.3,       0.0);
     ( 391528.1, 3824807.0,     987.7,    1591.3,       0.0);         ( 391509.5,
3824790.9,     994.9,    1591.3,       0.0);
     ( 391490.8, 3824774.8,    1004.0,    1591.3,       0.0);         ( 391472.1,
3824758.8,    1013.3,    1591.3,       0.0);
     ( 391453.5, 3824742.7,    1023.6,    1591.3,       0.0);         ( 391434.8,
3824726.7,    1032.3,    1591.3,       0.0);
     ( 391416.1, 3824710.6,    1036.7,    1591.3,       0.0);         ( 391397.5,
3824694.5,    1033.0,    1591.3,       0.0);
     ( 391378.8, 3824678.5,    1027.0,    1591.3,       0.0);         ( 391360.1,
3824662.4,    1019.6,    1591.3,       0.0);
     ( 391341.5, 3824646.4,    1016.1,    1591.3,       0.0);         ( 391322.8,
3824630.3,    1013.4,    1591.3,       0.0);
     ( 391304.2, 3824614.2,    1018.3,    1591.3,       0.0);         ( 391285.5,
3824598.2,    1021.9,    1591.3,       0.0);
     ( 391266.8, 3824582.1,    1031.5,    1591.3,       0.0);         ( 391248.2,
3824566.1,    1040.1,    1591.3,       0.0);
     ( 391229.5, 3824550.0,    1050.7,    1591.3,       0.0);         ( 391210.8,
3824533.9,    1062.8,    1591.3,       0.0);
     ( 391192.2, 3824517.9,    1073.6,    1591.3,       0.0);         ( 391173.5,
3824501.8,    1081.1,    1591.3,       0.0);
     ( 391154.9, 3824485.8,    1090.7,    1591.3,       0.0);         ( 391136.2,
3824469.7,    1099.6,    1591.3,       0.0);
     ( 391117.5, 3824453.6,    1106.6,    1591.3,       0.0);         ( 391098.9,
3824437.6,    1108.0,    1591.3,       0.0);
     ( 391080.2, 3824421.5,    1101.1,    1591.3,       0.0);         ( 391061.5,
3824405.5,    1092.2,    1591.3,       0.0);
     ( 391042.9, 3824389.4,    1082.2,    1591.3,       0.0);         ( 391024.2,
3824373.3,    1073.1,    1591.3,       0.0);
     ( 391005.5, 3824357.3,    1064.0,    1591.3,       0.0);         ( 390986.9,
3824341.2,    1070.4,    1591.3,       0.0);
     ( 390968.2, 3824325.2,    1088.0,    1591.3,       0.0);         ( 390949.6,
3824309.1,    1103.0,    1591.3,       0.0);
     ( 390930.9, 3824293.0,    1117.8,    1591.3,       0.0);         ( 390912.2,
3824277.0,    1125.6,    1591.3,       0.0);
     ( 390893.6, 3824260.9,    1134.5,    1591.3,       0.0);         ( 390874.9,
3824244.9,    1143.5,    1591.3,       0.0);
     ( 390856.2, 3824228.8,    1153.3,    1591.3,       0.0);         ( 390837.6,
3824212.7,    1159.8,    1591.3,       0.0);
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(390818.9, 3824196.7, 1161.5, 1591.3, 0.0); (390800.3,
3824180.6, 1160.4, 1591.3, 0.0);
(390781.6, 3824164.6, 1161.2, 1591.3, 0.0); (390762.9,
3824148.5, 1159.7, 1591.3, 0.0);
(390744.3, 3824132.4, 1159.4, 1591.3, 0.0); (390725.6,
3824116.4, 1162.3, 1591.3, 0.0);
(390706.9, 3824100.3, 1171.2, 1591.3, 0.0); (390688.3,
3824084.3, 1181.1, 1590.6, 0.0);
(390669.6, 3824068.2, 1186.5, 1590.6, 0.0); (390651.0,
3824052.1, 1189.6, 1590.6, 0.0);
(390632.3, 3824036.1, 1183.7, 1591.3, 0.0); (390501.6,
3823923.7, 1215.8, 1590.6, 0.0);
(390483.0, 3823907.6, 1228.5, 1588.5, 0.0); (390464.3,
3823891.5, 1241.2, 1588.5, 0.0);
(390445.6, 3823875.5, 1254.0, 1587.9, 0.0); (390427.0,
3823859.4, 1259.6, 1587.9, 0.0);

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

(390408.3, 3823843.3, 1251.8, 1587.9, 0.0); (390389.7,
3823827.3, 1240.1, 1588.5, 0.0);
(390371.0, 3823811.2, 1227.8, 1590.6, 0.0); (390352.3,
3823795.2, 1224.1, 1590.6, 0.0);
(390333.7, 3823779.1, 1234.4, 1590.6, 0.0); (390315.0,
3823763.0, 1247.7, 1588.5, 0.0);
(390296.3, 3823747.0, 1261.5, 1588.5, 0.0); (390277.7,
3823730.9, 1270.6, 1587.9, 0.0);
(390259.0, 3823714.9, 1276.5, 1587.9, 0.0); (390240.4,
3823698.8, 1276.9, 1587.9, 0.0);
(390221.7, 3823682.8, 1267.2, 1588.5, 0.0); (390203.0,
3823666.7, 1252.8, 1590.6, 0.0);
(390184.4, 3823650.6, 1239.7, 1590.6, 0.0); (390165.7,
3823634.6, 1241.1, 1590.6, 0.0);
(390147.0, 3823618.5, 1248.0, 1590.6, 0.0); (390128.4,
3823602.4, 1253.2, 1590.6, 0.0);
(390109.7, 3823586.4, 1260.7, 1590.6, 0.0); (390091.0,
3823570.3, 1268.4, 1588.9, 0.0);
(390072.4, 3823554.3, 1273.2, 1588.5, 0.0); (390053.7,
3823538.2, 1273.8, 1588.5, 0.0);
(390035.1, 3823522.1, 1271.1, 1590.6, 0.0); (390016.4,
3823506.1, 1271.4, 1590.6, 0.0);

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     ( 389997.7, 3823490.0,    1278.4,    1588.9,       0.0);         ( 389979.1,
3823474.0,    1281.8,    1588.5,       0.0);
     ( 389960.4, 3823457.9,    1296.2,    1588.5,       0.0);         ( 389941.8,
3823441.8,    1314.3,    1587.9,       0.0);
     ( 389923.1, 3823425.8,    1330.1,    1587.1,       0.0);         ( 389904.4,
3823409.7,    1345.1,    1587.1,       0.0);
     ( 389885.8, 3823393.7,    1356.0,    1587.1,       0.0);         ( 389867.1,
3823377.6,    1360.3,    1587.1,       0.0);
     ( 389848.4, 3823361.5,    1355.3,    1587.1,       0.0);         ( 389829.8,
3823345.5,    1355.2,    1587.1,       0.0);
     ( 389811.1, 3823329.4,    1369.0,    1587.1,       0.0);         ( 389792.4,
3823313.4,    1380.7,    1587.1,       0.0);
     ( 389773.8, 3823297.3,    1391.4,    1587.1,       0.0);         ( 389755.1,
3823281.2,    1404.1,    1587.1,       0.0);
     ( 389736.5, 3823265.2,    1415.4,    1587.1,       0.0);         ( 389717.8,
3823249.1,    1425.6,    1587.1,       0.0);
     ( 389699.1, 3823233.1,    1429.8,    1587.1,       0.0);         ( 389680.5,
3823217.0,    1421.2,    1587.1,       0.0);
     ( 389661.8, 3823200.9,    1409.1,    1587.1,       0.0);         ( 389643.1,
3823184.9,    1398.7,    1587.1,       0.0);
     ( 389624.5, 3823168.8,    1390.3,    1587.1,       0.0);         ( 389605.8,
3823152.8,    1388.0,    1587.1,       0.0);
     ( 389587.1, 3823136.7,    1390.3,    1587.1,       0.0);         ( 389568.5,
3823120.6,    1401.8,    1587.1,       0.0);
     ( 389549.8, 3823104.6,    1409.5,    1587.1,       0.0);         ( 389531.2,
3823088.5,    1407.4,    1587.1,       0.0);
     ( 389512.5, 3823072.5,    1406.3,    1587.1,       0.0);         ( 389493.8,
3823056.4,    1406.8,    1587.1,       0.0);
     ( 389475.2, 3823040.3,    1406.6,    1587.1,       0.0);         ( 389456.5,
3823024.3,    1404.1,    1587.1,       0.0);
     ( 389437.8, 3823008.2,    1409.8,    1587.1,       0.0);         ( 389419.2,
3822992.2,    1424.2,    1587.1,       0.0);
     ( 389400.5, 3822976.1,    1435.5,    1587.1,       0.0);         ( 389381.8,
3822960.0,    1446.1,    1587.1,       0.0);
     ( 389363.2, 3822944.0,    1454.2,    1587.1,       0.0);         ( 389344.5,
3822927.9,    1464.3,    1587.1,       0.0);
     ( 389325.9, 3822911.9,    1471.7,    1587.1,       0.0);         ( 389307.2,
3822895.8,    1476.1,    1530.3,       0.0);
     ( 389288.5, 3822879.8,    1479.9,    1530.3,       0.0);         ( 389269.9,
3822863.7,    1481.0,    1530.3,       0.0);
     ( 389251.2, 3822847.6,    1477.3,    1530.3,       0.0);         ( 389232.5,
3822831.6,    1471.9,    1587.1,       0.0);
     ( 389213.9, 3822815.5,    1463.8,    1587.1,       0.0);         ( 389195.2,
3822799.4,    1458.0,    1587.1,       0.0);
     ( 389176.6, 3822783.4,    1452.7,    1587.1,       0.0);         ( 389157.9,
3822767.3,    1447.0,    1587.1,       0.0);
     ( 389139.2, 3822751.3,    1443.6,    1587.1,       0.0);         ( 389120.6,
3822735.2,    1435.6,    1587.1,       0.0);
     ( 389101.9, 3822719.1,    1428.0,    1587.1,       0.0);         ( 389083.2,
3822703.1,    1423.6,    1587.1,       0.0);
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     ( 388355.4, 3822076.7,    1201.4,    1591.3,       0.0);         ( 388336.7,
3822060.7,    1202.3,    1591.3,       0.0);
     ( 388318.0, 3822044.6,    1195.5,    1591.3,       0.0);         ( 388299.4,
3822028.6,    1194.0,    1591.3,       0.0);
     ( 388280.7, 3822012.5,    1195.0,    1591.3,       0.0);         ( 388262.1,
3821996.4,    1195.5,    1591.3,       0.0);
     ( 388243.4, 3821980.4,    1188.3,    1591.3,       0.0);         ( 388224.7,
3821964.3,    1176.7,    1591.3,       0.0);
     ( 388206.1, 3821948.3,    1166.2,    1591.3,       0.0);         ( 388187.4,
3821932.2,    1160.7,    1591.3,       0.0);
     ( 388168.8, 3821916.1,    1159.1,    1591.3,       0.0);         ( 388150.1,
3821900.1,    1159.9,    1591.3,       0.0);
     ( 388131.4, 3821884.0,    1161.6,    1591.3,       0.0);         ( 388112.8,
3821868.0,    1161.7,    1591.3,       0.0);
     ( 388094.1, 3821851.9,    1156.5,    1591.3,       0.0);         ( 388075.4,
3821835.8,    1148.5,    1591.3,       0.0);
     ( 388056.8, 3821819.8,    1143.2,    1591.3,       0.0);         ( 388038.1,
3821803.7,    1142.3,    1591.3,       0.0);
     ( 388019.4, 3821787.7,    1142.0,    1591.3,       0.0);         ( 388000.8,
3821771.6,    1136.6,    1591.3,       0.0);
     ( 387982.1, 3821755.5,    1131.0,    1591.3,       0.0);         ( 387963.5,
3821739.5,    1128.5,    1591.3,       0.0);
     ( 387944.8, 3821723.4,    1126.8,    1591.3,       0.0);         ( 387926.1,
3821707.4,    1125.1,    1591.3,       0.0);
     ( 387907.5, 3821691.3,    1122.2,    1591.3,       0.0);         ( 387888.8,
3821675.2,    1119.7,    1591.3,       0.0);
     ( 387870.1, 3821659.2,    1114.7,    1591.3,       0.0);         ( 387851.5,
3821643.1,    1113.8,    1591.3,       0.0);
     ( 387832.8, 3821627.1,    1116.0,    1591.3,       0.0);         ( 387814.1,
3821611.0,    1117.1,    1591.3,       0.0);
     ( 387795.5, 3821594.9,    1115.6,    1591.3,       0.0);         ( 387776.8,
3821578.9,    1114.2,    1591.3,       0.0);
     ( 387758.2, 3821562.8,    1112.4,    1591.3,       0.0);         ( 387739.5,
3821546.8,    1110.6,    1591.3,       0.0);
     ( 392181.3, 3825369.1,     924.6,    1591.3,       0.0);         ( 392204.2,
3825378.3,     923.6,    1591.3,       0.0);
     ( 392227.1, 3825387.6,     922.9,    1591.3,       0.0);         ( 391662.7,
3826589.0,     899.1,    1591.3,       0.0);
     ( 391644.0, 3826573.0,     899.3,    1591.3,       0.0);         ( 391625.4,
3826557.0,     898.0,    1591.3,       0.0);
     ( 391606.7, 3826540.9,     893.3,    1591.3,       0.0);         ( 391588.1,
3826524.9,     894.3,    1591.3,       0.0);
     ( 391569.4, 3826508.8,     895.5,    1591.3,       0.0);         ( 391550.8,
3826492.8,     895.1,    1591.3,       0.0);
     ( 391532.2, 3826476.7,     896.0,    1591.3,       0.0);         ( 391513.5,
3826460.7,     896.1,    1591.3,       0.0);
     ( 391494.9, 3826444.7,     895.9,    1591.3,       0.0);         ( 391476.2,
3826428.6,     896.5,    1591.3,       0.0);
     ( 391457.6, 3826412.6,     897.3,    1591.3,       0.0);         ( 391438.9,
3826396.5,     898.2,    1591.3,       0.0);
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(391420.3, 3826380.5, 898.8, 1591.3, 0.0); (391401.7, 3826364.4, 898.5, 1591.3, 0.0);
(391383.0, 3826348.4, 898.7, 1591.3, 0.0); (391364.4, 3826332.4, 899.0, 1591.3, 0.0);
(391345.7, 3826316.3, 899.3, 1591.3, 0.0); (391327.1, 3826300.3, 899.8, 1591.3, 0.0);
(391308.5, 3826284.2, 900.4, 1591.3, 0.0); (391289.8, 3826268.2, 900.7, 1591.3, 0.0);
(391271.2, 3826252.1, 901.2, 1591.3, 0.0); (391252.5, 3826236.1, 901.9, 1591.3, 0.0);
(391233.9, 3826220.1, 902.7, 1591.3, 0.0); (391215.2, 3826204.0, 903.2, 1591.3, 0.0);
(391196.6, 3826188.0, 903.8, 1591.3, 0.0); (391178.0, 3826171.9, 906.0, 1591.3, 0.0);
(391159.3, 3826155.9, 909.2, 1591.3, 0.0); (391140.7, 3826139.8, 909.7, 1591.3, 0.0);
(391122.0, 3826123.8, 909.2, 1591.3, 0.0); (391103.4, 3826107.8, 907.1, 1591.3, 0.0);
(391084.7, 3826091.7, 910.0, 1591.3, 0.0); (391066.1, 3826075.7, 908.5, 1591.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(391047.5, 3826059.6, 907.0, 1591.3, 0.0); (391028.8, 3826043.6, 906.8, 1591.3, 0.0);
(391010.2, 3826027.5, 907.4, 1591.3, 0.0); (390991.5, 3826011.5, 907.1, 1591.3, 0.0);
(390972.9, 3825995.5, 906.5, 1591.3, 0.0); (390954.2, 3825979.4, 907.6, 1591.3, 0.0);
(390935.6, 3825963.4, 912.3, 1591.3, 0.0); (390917.0, 3825947.3, 916.2, 1591.3, 0.0);
(390898.3, 3825931.3, 920.1, 1591.3, 0.0); (390879.7, 3825915.3, 923.5, 1591.3, 0.0);
(390861.0, 3825899.2, 927.8, 1591.3, 0.0); (390842.4, 3825883.2, 928.9, 1591.3, 0.0);
(390823.7, 3825867.1, 929.5, 1591.3, 0.0); (390805.1, 3825851.1, 931.1, 1591.3, 0.0);
(390786.5, 3825835.0, 932.2, 1591.3, 0.0); (390767.8, 3825819.0, 932.7, 1591.3, 0.0);
(390749.2, 3825803.0, 933.3, 1591.3, 0.0); (390730.5, 3825786.9, 934.3, 1591.3, 0.0);

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     ( 390711.9, 3825770.9,     936.2,    1591.3,       0.0);         ( 390693.2,
3825754.8,     938.4,    1591.3,       0.0);
     ( 390674.6, 3825738.8,     940.3,    1591.3,       0.0);         ( 390656.0,
3825722.7,     944.8,    1591.3,       0.0);
     ( 390637.3, 3825706.7,     947.2,    1591.3,       0.0);         ( 390618.7,
3825690.7,     946.0,    1591.3,       0.0);
     ( 390600.0, 3825674.6,     949.3,    1591.3,       0.0);         ( 390581.4,
3825658.6,     953.1,    1591.3,       0.0);
     ( 390562.7, 3825642.5,     952.4,    1591.3,       0.0);         ( 390544.1,
3825626.5,     951.9,    1591.3,       0.0);
     ( 390525.5, 3825610.4,     954.1,    1591.3,       0.0);         ( 390506.8,
3825594.4,     955.6,    1591.3,       0.0);
     ( 390488.2, 3825578.4,     956.8,    1591.3,       0.0);         ( 390469.5,
3825562.3,     959.1,    1591.3,       0.0);
     ( 390450.9, 3825546.3,     961.9,    1591.3,       0.0);         ( 390432.2,
3825530.2,     967.3,    1591.3,       0.0);
     ( 390413.6, 3825514.2,     971.2,    1591.3,       0.0);         ( 390395.0,
3825498.1,     975.3,    1591.3,       0.0);
     ( 390376.3, 3825482.1,     977.0,    1591.3,       0.0);         ( 390357.7,
3825466.1,     980.5,    1591.3,       0.0);
     ( 390339.0, 3825450.0,     983.9,    1591.3,       0.0);         ( 390320.4,
3825434.0,     985.0,    1591.3,       0.0);
     ( 390301.7, 3825417.9,     988.2,    1591.3,       0.0);         ( 390283.1,
3825401.9,     991.3,    1591.3,       0.0);
     ( 390264.5, 3825385.8,     994.2,    1591.3,       0.0);         ( 390245.8,
3825369.8,    1002.3,    1591.3,       0.0);
     ( 390227.2, 3825353.8,    1009.4,    1591.3,       0.0);         ( 390208.5,
3825337.7,    1014.1,    1591.3,       0.0);
     ( 390189.9, 3825321.7,    1011.3,    1591.3,       0.0);         ( 390171.2,
3825305.6,    1012.9,    1591.3,       0.0);
     ( 390152.6, 3825289.6,    1018.9,    1591.3,       0.0);         ( 390134.0,
3825273.5,    1029.5,    1591.3,       0.0);
     ( 390115.3, 3825257.5,    1030.8,    1591.3,       0.0);         ( 390096.7,
3825241.5,    1031.3,    1591.3,       0.0);
     ( 390078.0, 3825225.4,    1033.7,    1591.3,       0.0);         ( 390059.4,
3825209.4,    1043.5,    1591.3,       0.0);
     ( 390040.7, 3825193.3,    1051.1,    1591.3,       0.0);         ( 390022.1,
3825177.3,    1057.7,    1591.3,       0.0);
     ( 390003.5, 3825161.3,    1065.3,    1591.3,       0.0);         ( 389984.8,
3825145.2,    1069.6,    1591.3,       0.0);
     ( 389966.2, 3825129.2,    1070.1,    1591.3,       0.0);         ( 389947.5,
3825113.1,    1066.0,    1591.3,       0.0);
     ( 389928.9, 3825097.1,    1059.7,    1591.3,       0.0);         ( 389910.2,
3825081.0,    1066.1,    1591.3,       0.0);
     ( 389891.6, 3825065.0,    1077.8,    1591.3,       0.0);         ( 389761.1,
3824952.7,    1061.6,    1591.3,       0.0);
     ( 389742.5, 3824936.7,    1055.9,    1591.3,       0.0);         ( 389723.8,
3824920.6,    1050.0,    1591.3,       0.0);
     ( 389705.2, 3824904.6,    1047.3,    1591.3,       0.0);         ( 389686.5,
3824888.5,    1043.4,    1591.3,       0.0);
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(389667.9, 3824872.5, 1040.9, 1591.3, 0.0); (389649.2, 3824856.4, 1045.4, 1591.3, 0.0);
(389630.6, 3824840.4, 1050.2, 1591.3, 0.0); (389612.0, 3824824.4, 1057.8, 1591.3, 0.0);
(389593.3, 3824808.3, 1063.8, 1591.3, 0.0); (389574.7, 3824792.3, 1069.6, 1591.3, 0.0);
(389556.0, 3824776.2, 1077.7, 1591.3, 0.0); (389537.4, 3824760.2, 1090.9, 1591.3, 0.0);
(389518.7, 3824744.1, 1105.4, 1591.3, 0.0); (389500.1, 3824728.1, 1118.0, 1591.3, 0.0);
(389481.5, 3824712.1, 1130.1, 1591.3, 0.0); (389462.8, 3824696.0, 1144.1, 1591.3, 0.0);
(389444.2, 3824680.0, 1155.7, 1591.3, 0.0); (389425.5, 3824663.9, 1167.5, 1591.3, 0.0);
(389406.9, 3824647.9, 1180.3, 1591.3, 0.0); (389388.2, 3824631.8, 1192.7, 1591.3, 0.0);
(389369.6, 3824615.8, 1203.9, 1591.3, 0.0); (389351.0, 3824599.8, 1212.8, 1591.3, 0.0);
(389332.3, 3824583.7, 1221.5, 1591.3, 0.0); (389313.7, 3824567.7, 1230.2, 1591.3, 0.0);
(389295.0, 3824551.6, 1237.9, 1591.3, 0.0); (389276.4, 3824535.6, 1245.0, 1591.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(389257.7, 3824519.5, 1250.2, 1591.3, 0.0); (389239.1, 3824503.5, 1254.8, 1591.3, 0.0);
(389220.5, 3824487.5, 1257.2, 1591.3, 0.0); (389201.8, 3824471.4, 1258.2, 1591.3, 0.0);
(389183.2, 3824455.4, 1256.1, 1591.3, 0.0); (389164.5, 3824439.3, 1249.2, 1591.3, 0.0);
(389145.9, 3824423.3, 1243.7, 1591.3, 0.0); (389127.2, 3824407.3, 1241.6, 1591.3, 0.0);
(389108.6, 3824391.2, 1244.0, 1591.3, 0.0); (389090.0, 3824375.2, 1252.1, 1591.3, 0.0);
(389071.3, 3824359.1, 1261.6, 1591.3, 0.0); (389052.7, 3824343.1, 1270.2, 1591.3, 0.0);
(389034.0, 3824327.0, 1277.5, 1591.3, 0.0); (389015.4, 3824311.0, 1286.2, 1591.3, 0.0);
(388996.7, 3824295.0, 1296.3, 1591.3, 0.0); (388978.1, 3824278.9, 1311.0, 1591.3, 0.0);

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    ( 388959.5, 3824262.9,    1321.6,    1591.3,       0.0);         ( 388940.8,
3824246.8,    1333.2,    1591.3,       0.0);
    ( 388922.2, 3824230.8,    1343.7,    1590.6,       0.0);         ( 388903.5,
3824214.8,    1350.3,    1590.6,       0.0);
    ( 388884.9, 3824198.7,    1350.8,    1590.6,       0.0);         ( 388866.2,
3824182.7,    1350.6,    1590.6,       0.0);
    ( 388847.6, 3824166.6,    1352.8,    1590.6,       0.0);         ( 388829.0,
3824150.6,    1359.8,    1590.6,       0.0);
    ( 388810.3, 3824134.5,    1364.8,    1590.6,       0.0);         ( 388791.7,
3824118.5,    1371.3,    1590.6,       0.0);
    ( 388773.0, 3824102.4,    1377.1,    1590.6,       0.0);         ( 388754.4,
3824086.4,    1389.2,    1588.5,       0.0);
    ( 388735.7, 3824070.4,    1399.8,    1588.5,       0.0);         ( 388717.1,
3824054.3,    1407.8,    1587.9,       0.0);
    ( 388698.5, 3824038.3,    1411.6,    1587.9,       0.0);         ( 388679.8,
3824022.2,    1417.1,    1587.9,       0.0);
    ( 388661.2, 3824006.2,    1423.2,    1587.9,       0.0);         ( 388642.5,
3823990.1,    1427.3,    1587.9,       0.0);
    ( 388623.9, 3823974.1,    1434.0,    1587.1,       0.0);         ( 388605.2,
3823958.1,    1439.2,    1587.1,       0.0);
    ( 388586.6, 3823942.0,    1443.6,    1587.1,       0.0);         ( 388568.0,
3823926.0,    1448.2,    1587.1,       0.0);
    ( 388549.3, 3823909.9,    1452.7,    1587.1,       0.0);         ( 388530.7,
3823893.9,    1458.7,    1587.1,       0.0);
    ( 388512.0, 3823877.8,    1470.5,    1587.1,       0.0);         ( 388493.4,
3823861.8,    1482.5,    1587.1,       0.0);
    ( 388474.7, 3823845.8,    1491.7,    1587.1,       0.0);         ( 388456.1,
3823829.7,    1497.6,    1587.1,       0.0);
    ( 388437.5, 3823813.7,    1500.7,    1587.1,       0.0);         ( 388418.8,
3823797.6,    1505.4,    1587.1,       0.0);
    ( 388400.2, 3823781.6,    1511.8,    1587.1,       0.0);         ( 388381.5,
3823765.5,    1519.1,    1587.1,       0.0);
    ( 388362.9, 3823749.5,    1522.2,    1587.1,       0.0);         ( 388344.2,
3823733.5,    1523.3,    1587.1,       0.0);
    ( 388325.6, 3823717.4,    1524.3,    1587.1,       0.0);         ( 388307.0,
3823701.4,    1520.3,    1587.1,       0.0);
    ( 388288.3, 3823685.3,    1516.5,    1587.1,       0.0);         ( 388269.7,
3823669.3,    1519.9,    1587.1,       0.0);
    ( 388251.0, 3823653.3,    1528.0,    1587.1,       0.0);         ( 388232.4,
3823637.2,    1540.3,    1587.1,       0.0);
    ( 388213.7, 3823621.2,    1545.4,    1587.1,       0.0);         ( 388195.1,
3823605.1,    1548.2,    1587.1,       0.0);
    ( 388176.5, 3823589.1,    1550.3,    1587.1,       0.0);         ( 388157.8,
3823573.0,    1556.9,    1587.1,       0.0);
    ( 388139.2, 3823557.0,    1562.4,    1587.1,       0.0);         ( 388120.5,
3823541.0,    1565.7,    1587.1,       0.0);
    ( 388101.9, 3823524.9,    1569.5,    1580.5,       0.0);         ( 388083.2,
3823508.9,    1571.4,    1579.8,       0.0);
    ( 388064.6, 3823492.8,    1572.8,    1572.8,       0.0);         ( 388046.0,
3823476.8,    1571.5,    1571.5,       0.0);
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(388027.3, 3823460.8, 1570.2, 1570.2, 0.0); (388008.7,
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(387990.0, 3823428.7, 1572.0, 1572.0, 0.0); (387971.4,
3823412.6, 1570.6, 1573.9, 0.0);
(387952.7, 3823396.6, 1568.5, 1573.9, 0.0); (387934.1,
3823380.5, 1566.3, 1573.9, 0.0);
(387915.5, 3823364.5, 1564.3, 1573.9, 0.0); (387896.8,
3823348.4, 1564.5, 1564.5, 0.0);
(387878.2, 3823332.4, 1565.6, 1565.6, 0.0); (387859.5,
3823316.4, 1566.0, 1566.0, 0.0);
(387840.9, 3823300.3, 1564.7, 1566.4, 0.0); (387822.2,
3823284.3, 1561.8, 1569.1, 0.0);
(387803.6, 3823268.2, 1555.5, 1572.0, 0.0); (387785.0,
3823252.2, 1547.1, 1573.9, 0.0);
(387766.3, 3823236.1, 1537.8, 1587.9, 0.0); (387747.7,
3823220.1, 1531.1, 1587.9, 0.0);
(387729.0, 3823204.1, 1527.8, 1587.9, 0.0); (387710.4,
3823188.0, 1526.7, 1587.9, 0.0);
(387691.7, 3823172.0, 1525.5, 1588.5, 0.0); (387673.1,
3823155.9, 1523.1, 1588.5, 0.0);
(387654.5, 3823139.9, 1519.8, 1588.5, 0.0); (387635.8,
3823123.8, 1515.6, 1590.4, 0.0);
(387617.2, 3823107.8, 1512.1, 1590.6, 0.0); (387598.5,
3823091.8, 1505.8, 1590.6, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(387579.9, 3823075.7, 1498.3, 1591.3, 0.0); (387561.2,
3823059.7, 1499.0, 1591.3, 0.0);
(387542.6, 3823043.6, 1502.1, 1591.3, 0.0); (387524.0,
3823027.6, 1504.2, 1591.3, 0.0);
(387505.3, 3823011.6, 1505.4, 1591.3, 0.0); (387486.7,
3822995.5, 1504.6, 1591.3, 0.0);
(387468.0, 3822979.5, 1502.5, 1591.3, 0.0); (387449.4,
3822963.4, 1496.1, 1591.3, 0.0);
(387430.7, 3822947.4, 1488.1, 1591.3, 0.0); (387412.1,
3822931.3, 1480.8, 1591.3, 0.0);
(387393.5, 3822915.3, 1476.6, 1591.3, 0.0); (387374.8,
3822899.3, 1475.4, 1591.3, 0.0);
(387356.2, 3822883.2, 1470.4, 1591.3, 0.0); (387337.5,
3822867.2, 1466.1, 1591.3, 0.0);

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     ( 387318.9, 3822851.1,    1461.5,    1591.3,       0.0);         ( 387300.2,
3822835.1,    1453.9,    1591.3,       0.0);
     ( 387281.6, 3822819.0,    1447.7,    1591.3,       0.0);         ( 387263.0,
3822803.0,    1442.4,    1591.3,       0.0);
     ( 387244.3, 3822787.0,    1445.3,    1591.3,       0.0);         ( 387225.7,
3822770.9,    1454.7,    1591.3,       0.0);
     ( 387207.0, 3822754.9,    1460.0,    1591.3,       0.0);         ( 387188.4,
3822738.8,    1462.9,    1591.3,       0.0);
     ( 387169.8, 3822722.8,    1462.8,    1591.3,       0.0);         ( 387151.1,
3822706.8,    1461.2,    1591.3,       0.0);
     ( 387132.5, 3822690.7,    1457.1,    1591.3,       0.0);         ( 387113.8,
3822674.7,    1450.6,    1591.3,       0.0);
     ( 387095.2, 3822658.6,    1442.5,    1591.3,       0.0);         ( 387076.5,
3822642.6,    1432.0,    1591.3,       0.0);
     ( 387057.9, 3822626.5,    1421.1,    1591.3,       0.0);         ( 387039.2,
3822610.5,    1408.7,    1591.3,       0.0);
     ( 387020.6, 3822594.4,    1397.3,    1591.3,       0.0);         ( 387002.0,
3822578.4,    1386.8,    1591.3,       0.0);
     ( 386983.3, 3822562.4,    1378.6,    1591.3,       0.0);         ( 386964.7,
3822546.3,    1368.0,    1591.3,       0.0);
     ( 386946.0, 3822530.3,    1361.8,    1591.3,       0.0);         ( 386927.4,
3822514.2,    1353.4,    1591.3,       0.0);
     ( 386908.8, 3822498.2,    1345.2,    1591.3,       0.0);         ( 386890.1,
3822482.1,    1336.8,    1591.3,       0.0);
     ( 386871.5, 3822466.1,    1329.3,    1591.3,       0.0);         ( 386852.8,
3822450.1,    1323.4,    1591.3,       0.0);
     ( 386834.2, 3822434.0,    1317.0,    1591.3,       0.0);         ( 386815.5,
3822418.0,    1307.5,    1591.3,       0.0);
     ( 386796.9, 3822401.9,    1300.0,    1591.3,       0.0);         ( 386778.2,
3822385.9,    1295.0,    1591.3,       0.0);
     ( 386759.6, 3822369.8,    1297.8,    1591.3,       0.0);         ( 386741.0,
3822353.8,    1298.6,    1591.3,       0.0);
     ( 386722.3, 3822337.8,    1295.9,    1591.3,       0.0);         ( 386703.7,
3822321.7,    1288.3,    1591.3,       0.0);
     ( 386685.0, 3822305.7,    1285.8,    1591.3,       0.0);         ( 386666.4,
3822289.6,    1281.9,    1591.3,       0.0);
     ( 386647.8, 3822273.6,    1280.7,    1591.3,       0.0);         ( 386629.1,
3822257.6,    1280.0,    1591.3,       0.0);
     ( 386610.5, 3822241.5,    1283.2,    1591.3,       0.0);         ( 386591.8,
3822225.5,    1288.9,    1591.3,       0.0);
     ( 391681.3, 3826605.1,     898.0,    1591.3,       0.0);         ( 391704.2,
3826614.3,     893.6,    1591.3,       0.0);
     ( 391727.0, 3826623.6,     893.6,    1591.3,       0.0);         ( 391162.6,
3827825.0,     893.4,    1591.3,       0.0);
     ( 391143.9, 3827808.9,     882.8,    1591.3,       0.0);         ( 391125.2,
3827792.9,     870.0,    1591.3,       0.0);
     ( 391106.5, 3827776.8,     858.4,    1591.3,       0.0);         ( 391087.8,
3827760.7,     852.0,    1591.3,       0.0);
     ( 391069.1, 3827744.6,     849.7,    1591.3,       0.0);         ( 391050.5,
3827728.5,     849.9,    1591.3,       0.0);
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(391031.8, 3827712.5, 850.9, 1591.3, 0.0); (391013.1, 3827696.4, 852.4, 1591.3, 0.0);
(390994.4, 3827680.3, 853.7, 1591.3, 0.0); (390975.7, 3827664.2, 853.8, 1591.3, 0.0);
(390957.0, 3827648.1, 853.9, 1591.3, 0.0); (390938.3, 3827632.0, 856.6, 1591.3, 0.0);
(390919.6, 3827616.0, 858.1, 1591.3, 0.0); (390901.0, 3827599.9, 859.6, 1591.3, 0.0);
(390882.3, 3827583.8, 864.8, 1591.3, 0.0); (390863.6, 3827567.7, 873.2, 1591.3, 0.0);
(390844.9, 3827551.6, 880.4, 1591.3, 0.0); (390826.2, 3827535.6, 885.5, 1591.3, 0.0);
(390807.5, 3827519.5, 889.5, 1591.3, 0.0); (390788.8, 3827503.4, 892.1, 1591.3, 0.0);
(390770.1, 3827487.3, 891.4, 1591.3, 0.0); (390751.5, 3827471.2, 889.7, 1591.3, 0.0);
(390732.8, 3827455.2, 889.2, 1591.3, 0.0); (390714.1, 3827439.1, 889.2, 1591.3, 0.0);
(390695.4, 3827423.0, 891.3, 1591.3, 0.0); (390676.7, 3827406.9, 895.9, 1591.3, 0.0);
(390658.0, 3827390.8, 897.3, 1591.3, 0.0); (390639.3, 3827374.8, 897.9, 1591.3, 0.0);
(390620.6, 3827358.7, 899.7, 1591.3, 0.0); (390602.0, 3827342.6, 903.0, 1591.3, 0.0);
(390583.3, 3827326.5, 905.3, 1591.3, 0.0); (390564.6, 3827310.4, 908.5, 1591.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(390545.9, 3827294.3, 910.1, 1591.3, 0.0); (390527.2, 3827278.3, 912.2, 1591.3, 0.0);
(390508.5, 3827262.2, 913.8, 1591.3, 0.0); (390489.8, 3827246.1, 913.4, 1591.3, 0.0);
(390471.1, 3827230.0, 914.0, 1591.3, 0.0); (390452.5, 3827213.9, 914.6, 1591.3, 0.0);
(390433.8, 3827197.9, 915.5, 1591.3, 0.0); (390415.1, 3827181.8, 916.3, 1591.3, 0.0);
(390396.4, 3827165.7, 916.3, 1591.3, 0.0); (390377.7, 3827149.6, 915.4, 1591.3, 0.0);
(390359.0, 3827133.5, 915.2, 1591.3, 0.0); (390340.3, 3827117.5, 915.6, 1591.3, 0.0);

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    ( 390321.6, 3827101.4,     915.7,    1591.3,       0.0);         ( 390303.0,
3827085.3,     915.1,    1591.3,       0.0);
    ( 390284.3, 3827069.2,     914.7,    1591.3,       0.0);         ( 390265.6,
3827053.1,     915.4,    1591.3,       0.0);
    ( 390246.9, 3827037.0,     916.0,    1591.3,       0.0);         ( 390228.2,
3827021.0,     915.8,    1591.3,       0.0);
    ( 390209.5, 3827004.9,     915.3,    1591.3,       0.0);         ( 390190.8,
3826988.8,     915.5,    1591.3,       0.0);
    ( 390172.1, 3826972.7,     915.8,    1591.3,       0.0);         ( 390153.5,
3826956.6,     915.5,    1591.3,       0.0);
    ( 390134.8, 3826940.6,     915.7,    1591.3,       0.0);         ( 390116.1,
3826924.5,     916.5,    1591.3,       0.0);
    ( 390097.4, 3826908.4,     916.8,    1591.3,       0.0);         ( 390078.7,
3826892.3,     917.1,    1591.3,       0.0);
    ( 390060.0, 3826876.2,     917.0,    1591.3,       0.0);         ( 390041.3,
3826860.2,     916.8,    1591.3,       0.0);
    ( 390022.6, 3826844.1,     917.4,    1591.3,       0.0);         ( 390004.0,
3826828.0,     917.9,    1591.3,       0.0);
    ( 389985.3, 3826811.9,     918.9,    1591.3,       0.0);         ( 389966.6,
3826795.8,     918.9,    1591.3,       0.0);
    ( 389947.9, 3826779.8,     920.2,    1591.3,       0.0);         ( 389929.2,
3826763.7,     921.9,    1591.3,       0.0);
    ( 389910.5, 3826747.6,     922.1,    1591.3,       0.0);         ( 389891.8,
3826731.5,     921.6,    1591.3,       0.0);
    ( 389873.1, 3826715.4,     922.6,    1591.3,       0.0);         ( 389854.5,
3826699.3,     922.8,    1591.3,       0.0);
    ( 389835.8, 3826683.3,     923.1,    1591.3,       0.0);         ( 389817.1,
3826667.2,     923.9,    1591.3,       0.0);
    ( 389798.4, 3826651.1,     926.9,    1591.3,       0.0);         ( 389779.7,
3826635.0,     932.1,    1591.3,       0.0);
    ( 389761.0, 3826618.9,     937.6,    1591.3,       0.0);         ( 389742.3,
3826602.9,     938.8,    1591.3,       0.0);
    ( 389723.6, 3826586.8,     940.6,    1591.3,       0.0);         ( 389705.0,
3826570.7,     943.9,    1591.3,       0.0);
    ( 389686.3, 3826554.6,     945.1,    1591.3,       0.0);         ( 389667.6,
3826538.5,     939.0,    1591.3,       0.0);
    ( 389648.9, 3826522.5,     934.3,    1591.3,       0.0);         ( 389630.2,
3826506.4,     932.5,    1591.3,       0.0);
    ( 389611.5, 3826490.3,     932.3,    1591.3,       0.0);         ( 389592.8,
3826474.2,     932.9,    1591.3,       0.0);
    ( 389574.1, 3826458.1,     935.8,    1591.3,       0.0);         ( 389555.5,
3826442.1,     938.6,    1591.3,       0.0);
    ( 389536.8, 3826426.0,     941.6,    1591.3,       0.0);         ( 389518.1,
3826409.9,     942.5,    1591.3,       0.0);
    ( 389499.4, 3826393.8,     946.7,    1591.3,       0.0);         ( 389480.7,
3826377.7,     956.1,    1591.3,       0.0);
    ( 389462.0, 3826361.6,     965.2,    1591.3,       0.0);         ( 389443.3,
3826345.6,     972.0,    1591.3,       0.0);
    ( 389424.6, 3826329.5,     974.9,    1591.3,       0.0);         ( 389406.0,
3826313.4,     975.9,    1591.3,       0.0);
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(389387.3, 3826297.3, 974.3, 1591.3, 0.0); (389368.6, 3826281.2, 975.9, 1591.3, 0.0);
(389349.9, 3826265.2, 977.2, 1591.3, 0.0); (389331.2, 3826249.1, 976.4, 1591.3, 0.0);
(389312.5, 3826233.0, 971.9, 1591.3, 0.0); (389293.8, 3826216.9, 964.4, 1591.3, 0.0);
(389275.1, 3826200.8, 956.1, 1591.3, 0.0); (389256.5, 3826184.8, 953.2, 1591.3, 0.0);
(389237.8, 3826168.7, 953.2, 1591.3, 0.0); (389219.1, 3826152.6, 950.9, 1591.3, 0.0);
(389200.4, 3826136.5, 949.0, 1591.3, 0.0); (389181.7, 3826120.4, 949.2, 1591.3, 0.0);
(389163.0, 3826104.4, 951.6, 1591.3, 0.0); (389144.3, 3826088.3, 955.1, 1591.3, 0.0);
(389032.2, 3825991.8, 984.1, 1591.3, 0.0); (389013.5, 3825975.7, 975.8, 1591.3, 0.0);
(388994.8, 3825959.6, 967.3, 1591.3, 0.0); (388976.1, 3825943.5, 964.6, 1591.3, 0.0);
(388957.5, 3825927.5, 964.0, 1591.3, 0.0); (388938.8, 3825911.4, 965.1, 1591.3, 0.0);
(388920.1, 3825895.3, 966.2, 1591.3, 0.0); (388901.4, 3825879.2, 967.8, 1591.3, 0.0);
(388882.7, 3825863.1, 971.7, 1591.3, 0.0); (388864.0, 3825847.1, 977.7, 1591.3, 0.0);
(388845.3, 3825831.0, 985.6, 1591.3, 0.0); (388826.6, 3825814.9, 987.5, 1591.3, 0.0);
(388808.0, 3825798.8, 986.8, 1591.3, 0.0); (388789.3, 3825782.7, 985.6, 1591.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(388770.6, 3825766.7, 983.5, 1591.3, 0.0); (388751.9, 3825750.6, 984.5, 1591.3, 0.0);
(388733.2, 3825734.5, 988.6, 1591.3, 0.0); (388714.5, 3825718.4, 999.1, 1591.3, 0.0);
(388695.8, 3825702.3, 1008.7, 1591.3, 0.0); (388677.1, 3825686.2, 1017.0, 1591.3, 0.0);
(388658.5, 3825670.2, 1022.4, 1591.3, 0.0); (388639.8, 3825654.1, 1022.5, 1591.3, 0.0);
(388621.1, 3825638.0, 1021.0, 1591.3, 0.0); (388602.4, 3825621.9, 1017.5, 1591.3, 0.0);

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     ( 388583.7, 3825605.8,    1013.6,    1591.3,       0.0);         ( 388565.0,
3825589.8,    1010.4,    1591.3,       0.0);
     ( 388546.3, 3825573.7,    1004.8,    1591.3,       0.0);         ( 388527.6,
3825557.6,     996.9,    1591.3,       0.0);
     ( 388509.0, 3825541.5,     996.9,    1591.3,       0.0);         ( 388490.3,
3825525.4,     997.0,    1591.3,       0.0);
     ( 388471.6, 3825509.4,     999.3,    1591.3,       0.0);         ( 388452.9,
3825493.3,     998.5,    1591.3,       0.0);
     ( 388434.2, 3825477.2,    1001.0,    1591.3,       0.0);         ( 388415.5,
3825461.1,    1002.6,    1591.3,       0.0);
     ( 388396.8, 3825445.0,    1003.8,    1591.3,       0.0);         ( 388378.1,
3825428.9,    1004.8,    1591.3,       0.0);
     ( 388359.5, 3825412.9,    1007.1,    1591.3,       0.0);         ( 388340.8,
3825396.8,    1010.2,    1591.3,       0.0);
     ( 388322.1, 3825380.7,    1017.7,    1591.3,       0.0);         ( 388303.4,
3825364.6,    1025.8,    1591.3,       0.0);
     ( 388284.7, 3825348.5,    1032.6,    1591.3,       0.0);         ( 388266.0,
3825332.5,    1036.6,    1591.3,       0.0);
     ( 388247.3, 3825316.4,    1040.2,    1591.3,       0.0);         ( 388228.6,
3825300.3,    1043.3,    1591.3,       0.0);
     ( 388210.0, 3825284.2,    1044.9,    1591.3,       0.0);         ( 388191.3,
3825268.1,    1046.4,    1591.3,       0.0);
     ( 388172.6, 3825252.1,    1047.9,    1591.3,       0.0);         ( 388153.9,
3825236.0,    1055.0,    1591.3,       0.0);
     ( 388135.2, 3825219.9,    1060.8,    1591.3,       0.0);         ( 388116.5,
3825203.8,    1067.9,    1591.3,       0.0);
     ( 388097.8, 3825187.7,    1073.2,    1591.3,       0.0);         ( 388079.1,
3825171.7,    1074.3,    1591.3,       0.0);
     ( 388060.5, 3825155.6,    1076.4,    1591.3,       0.0);         ( 388041.8,
3825139.5,    1080.7,    1591.3,       0.0);
     ( 388023.1, 3825123.4,    1088.5,    1591.3,       0.0);         ( 388004.4,
3825107.3,    1096.6,    1591.3,       0.0);
     ( 387985.7, 3825091.2,    1103.5,    1591.3,       0.0);         ( 387967.0,
3825075.2,    1107.5,    1591.3,       0.0);
     ( 387948.3, 3825059.1,    1112.4,    1591.3,       0.0);         ( 387929.6,
3825043.0,    1116.4,    1591.3,       0.0);
     ( 387911.0, 3825026.9,    1120.1,    1591.3,       0.0);         ( 387892.3,
3825010.8,    1124.0,    1591.3,       0.0);
     ( 387873.6, 3824994.8,    1128.9,    1591.3,       0.0);         ( 387854.9,
3824978.7,    1132.4,    1591.3,       0.0);
     ( 387836.2, 3824962.6,    1132.5,    1591.3,       0.0);         ( 387817.5,
3824946.5,    1135.1,    1591.3,       0.0);
     ( 387798.8, 3824930.4,    1143.8,    1591.3,       0.0);         ( 387780.1,
3824914.4,    1150.2,    1591.3,       0.0);
     ( 387761.5, 3824898.3,    1155.2,    1591.3,       0.0);         ( 387742.8,
3824882.2,    1161.5,    1591.3,       0.0);
     ( 387724.1, 3824866.1,    1167.9,    1591.3,       0.0);         ( 387705.4,
3824850.0,    1167.4,    1591.3,       0.0);
     ( 387686.7, 3824834.0,    1161.8,    1591.3,       0.0);         ( 387668.0,
3824817.9,    1164.9,    1591.3,       0.0);
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(387649.3, 3824801.8, 1173.4, 1591.3, 0.0); (387630.6,
3824785.7, 1180.7, 1591.3, 0.0);
(387612.0, 3824769.6, 1182.8, 1591.3, 0.0); (387593.3,
3824753.5, 1187.1, 1591.3, 0.0);
(387574.6, 3824737.5, 1192.8, 1591.3, 0.0); (387555.9,
3824721.4, 1195.1, 1591.3, 0.0);
(387537.2, 3824705.3, 1197.9, 1591.3, 0.0); (387518.5,
3824689.2, 1195.2, 1591.3, 0.0);
(387499.8, 3824673.1, 1190.6, 1591.3, 0.0); (387481.1,
3824657.1, 1183.8, 1591.3, 0.0);
(387462.5, 3824641.0, 1177.5, 1591.3, 0.0); (387443.8,
3824624.9, 1179.5, 1591.3, 0.0);
(387425.1, 3824608.8, 1182.3, 1591.3, 0.0); (387406.4,
3824592.7, 1189.0, 1591.3, 0.0);
(387387.7, 3824576.7, 1195.9, 1591.3, 0.0); (387369.0,
3824560.6, 1202.1, 1591.3, 0.0);
(387350.3, 3824544.5, 1206.5, 1591.3, 0.0); (387331.6,
3824528.4, 1211.1, 1591.3, 0.0);
(387313.0, 3824512.3, 1217.9, 1591.3, 0.0); (387294.3,
3824496.3, 1225.1, 1591.3, 0.0);
(387275.6, 3824480.2, 1226.9, 1591.3, 0.0); (387256.9,
3824464.1, 1222.2, 1591.3, 0.0);
(387238.2, 3824448.0, 1219.3, 1591.3, 0.0); (387219.5,
3824431.9, 1222.3, 1591.3, 0.0);
(387200.8, 3824415.8, 1234.0, 1591.3, 0.0); (387182.1,
3824399.8, 1243.5, 1591.3, 0.0);
(387163.5, 3824383.7, 1242.2, 1591.3, 0.0); (387144.8,
3824367.6, 1234.4, 1591.3, 0.0);
(387126.1, 3824351.5, 1224.8, 1591.3, 0.0); (387107.4,
3824335.4, 1219.1, 1591.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(387088.7, 3824319.4, 1208.8, 1591.3, 0.0); (387070.0,
3824303.3, 1200.2, 1591.3, 0.0);
(387051.3, 3824287.2, 1193.5, 1591.3, 0.0); (387032.6,
3824271.1, 1190.3, 1591.3, 0.0);
(387014.0, 3824255.0, 1198.8, 1591.3, 0.0); (386995.3,
3824239.0, 1217.1, 1591.3, 0.0);
(386976.6, 3824222.9, 1236.3, 1591.3, 0.0); (386957.9,
3824206.8, 1250.3, 1591.3, 0.0);

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    ( 386939.2, 3824190.7,    1260.6,    1591.3,       0.0);         ( 386920.5,
3824174.6,    1266.1,    1591.3,       0.0);
    ( 386901.8, 3824158.5,    1270.3,    1591.3,       0.0);         ( 386883.1,
3824142.5,    1274.1,    1591.3,       0.0);
    ( 386864.5, 3824126.4,    1275.0,    1591.3,       0.0);         ( 386845.8,
3824110.3,    1271.5,    1591.3,       0.0);
    ( 386827.1, 3824094.2,    1269.8,    1591.3,       0.0);         ( 386808.4,
3824078.1,    1270.4,    1591.3,       0.0);
    ( 386789.7, 3824062.1,    1278.9,    1591.3,       0.0);         ( 386771.0,
3824046.0,    1289.5,    1591.3,       0.0);
    ( 386752.3, 3824029.9,    1296.5,    1591.3,       0.0);         ( 386733.6,
3824013.8,    1309.6,    1591.3,       0.0);
    ( 386715.0, 3823997.7,    1321.9,    1591.3,       0.0);         ( 386696.3,
3823981.7,    1335.9,    1591.3,       0.0);
    ( 386677.6, 3823965.6,    1348.4,    1591.3,       0.0);         ( 386658.9,
3823949.5,    1358.8,    1591.3,       0.0);
    ( 386640.2, 3823933.4,    1363.4,    1591.3,       0.0);         ( 386621.5,
3823917.3,    1364.2,    1591.3,       0.0);
    ( 386602.8, 3823901.3,    1364.3,    1591.3,       0.0);         ( 386584.1,
3823885.2,    1363.9,    1591.3,       0.0);
    ( 386565.5, 3823869.1,    1362.2,    1591.3,       0.0);         ( 386546.8,
3823853.0,    1359.6,    1591.3,       0.0);
    ( 386528.1, 3823836.9,    1354.4,    1591.3,       0.0);         ( 386509.4,
3823820.8,    1347.4,    1591.3,       0.0);
    ( 386490.7, 3823804.8,    1337.1,    1591.3,       0.0);         ( 386472.0,
3823788.7,    1333.7,    1591.3,       0.0);
    ( 386453.3, 3823772.6,    1345.8,    1591.3,       0.0);         ( 386434.6,
3823756.5,    1355.9,    1591.3,       0.0);
    ( 386416.0, 3823740.4,    1363.2,    1591.3,       0.0);         ( 386397.3,
3823724.4,    1367.0,    1591.3,       0.0);
    ( 386378.6, 3823708.3,    1370.8,    1591.3,       0.0);         ( 386359.9,
3823692.2,    1378.5,    1591.3,       0.0);
    ( 386341.2, 3823676.1,    1391.3,    1591.3,       0.0);         ( 386322.5,
3823660.0,    1407.8,    1591.3,       0.0);
    ( 386303.8, 3823644.0,    1424.0,    1591.3,       0.0);         ( 386285.1,
3823627.9,    1439.3,    1591.3,       0.0);
    ( 386266.5, 3823611.8,    1453.4,    1591.3,       0.0);         ( 386247.8,
3823595.7,    1463.1,    1591.3,       0.0);
    ( 386229.1, 3823579.6,    1471.0,    1591.3,       0.0);         ( 386210.4,
3823563.6,    1476.5,    1591.3,       0.0);
    ( 386191.7, 3823547.5,    1479.8,    1591.3,       0.0);         ( 386173.0,
3823531.4,    1482.7,    1591.3,       0.0);
    ( 386154.3, 3823515.3,    1484.1,    1591.3,       0.0);         ( 386135.6,
3823499.2,    1479.1,    1591.3,       0.0);
    ( 386117.0, 3823483.1,    1475.7,    1591.3,       0.0);         ( 386098.3,
3823467.1,    1478.8,    1591.3,       0.0);
    ( 386079.6, 3823451.0,    1485.9,    1591.3,       0.0);         ( 386060.9,
3823434.9,    1496.6,    1591.3,       0.0);
    ( 386042.2, 3823418.8,    1505.9,    1591.3,       0.0);         ( 386023.5,
3823402.8,    1513.5,    1591.3,       0.0);
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(386004.8, 3823386.7, 1519.1, 1569.3, 0.0); (385986.1,
3823370.6, 1524.0, 1532.7, 0.0);
(385967.5, 3823354.5, 1527.3, 1532.7, 0.0); (385948.8,
3823338.4, 1529.5, 1530.4, 0.0);
(385930.1, 3823322.3, 1530.4, 1532.5, 0.0); (385911.4,
3823306.3, 1529.8, 1532.5, 0.0);
(385892.7, 3823290.2, 1525.8, 1532.7, 0.0); (385874.0,
3823274.1, 1523.0, 1532.7, 0.0);
(385855.3, 3823258.0, 1519.1, 1532.7, 0.0); (385836.6,
3823241.9, 1515.8, 1532.7, 0.0);
(385818.0, 3823225.9, 1513.2, 1532.7, 0.0); (385799.3,
3823209.8, 1510.0, 1532.7, 0.0);
(385780.6, 3823193.7, 1504.3, 1532.7, 0.0); (385761.9,
3823177.6, 1498.2, 1569.3, 0.0);
(385743.2, 3823161.5, 1492.0, 1591.3, 0.0); (385724.5,
3823145.4, 1484.7, 1591.3, 0.0);
(385705.8, 3823129.4, 1476.9, 1591.3, 0.0); (385687.1,
3823113.3, 1469.5, 1591.3, 0.0);
(385668.5, 3823097.2, 1462.9, 1591.3, 0.0); (385649.8,
3823081.1, 1457.1, 1591.3, 0.0);
(385631.1, 3823065.0, 1451.2, 1591.3, 0.0); (385612.4,
3823049.0, 1444.0, 1591.3, 0.0);
(385593.7, 3823032.9, 1437.4, 1591.3, 0.0); (385575.0,
3823016.8, 1432.5, 1591.3, 0.0);
(385556.3, 3823000.7, 1427.5, 1591.3, 0.0); (385537.6,
3822984.6, 1417.0, 1591.3, 0.0);
(385519.0, 3822968.6, 1407.3, 1591.3, 0.0); (385500.3,
3822952.5, 1397.9, 1591.3, 0.0);
(385481.6, 3822936.4, 1388.4, 1591.3, 0.0); (391181.3,
3827841.1, 893.3, 1591.3, 0.0);
(391204.1, 3827850.4, 892.8, 1591.3, 0.0); (391227.0,
3827859.6, 903.8, 1591.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(395700.4, 3816918.5, 950.5, 1439.0, 0.0); (395721.0,
3816929.5, 951.3, 1439.0, 0.0);
(395741.6, 3816940.4, 953.1, 1430.2, 0.0); (395762.2,
3816951.4, 954.0, 1356.4, 0.0);
(395782.7, 3816962.4, 955.2, 1356.4, 0.0); (395803.3,
3816973.4, 957.1, 1356.4, 0.0);

```
    ( 395823.9, 3816984.3,     958.0,    1356.4,       0.0);         ( 395844.5,
3816995.3,     959.6,    1356.4,       0.0);
    ( 395865.1, 3817006.3,     960.2,    1356.4,       0.0);         ( 395885.6,
3817017.3,     960.7,    1356.4,       0.0);
    ( 395688.6, 3816940.5,     950.9,    1440.1,       0.0);         ( 395709.2,
3816951.5,     952.3,    1440.1,       0.0);
    ( 395729.8, 3816962.5,     954.0,    1439.0,       0.0);         ( 395750.4,
3816973.5,     955.0,    1439.0,       0.0);
    ( 395771.0, 3816984.4,     955.8,    1426.6,       0.0);         ( 395791.6,
3816995.4,     957.2,    1356.4,       0.0);
    ( 395812.1, 3817006.4,     958.4,    1356.4,       0.0);         ( 395832.7,
3817017.4,     959.3,    1356.4,       0.0);
    ( 395853.3, 3817028.3,     960.2,    1356.4,       0.0);         ( 395873.9,
3817039.3,     961.3,    1356.4,       0.0);
    ( 395676.9, 3816962.6,     951.8,    1440.1,       0.0);         ( 395697.5,
3816973.6,     953.1,    1440.1,       0.0);
    ( 395718.0, 3816984.5,     954.3,    1440.1,       0.0);         ( 395738.6,
3816995.5,     955.1,    1439.0,       0.0);
    ( 395759.2, 3817006.5,     956.5,    1439.0,       0.0);         ( 395779.8,
3817017.5,     957.7,    1430.2,       0.0);
    ( 395800.4, 3817028.5,     958.8,    1356.4,       0.0);         ( 395821.0,
3817039.4,     959.9,    1356.4,       0.0);
    ( 395841.5, 3817050.4,     960.9,    1356.4,       0.0);         ( 395862.1,
3817061.4,     962.2,    1356.4,       0.0);
    ( 395665.1, 3816984.7,     952.9,    1440.1,       0.0);         ( 395685.7,
3816995.6,     954.0,    1440.1,       0.0);
    ( 395706.3, 3817006.6,     955.2,    1440.1,       0.0);         ( 395726.9,
3817017.6,     956.4,    1440.1,       0.0);
    ( 395747.5, 3817028.6,     957.6,    1439.0,       0.0);         ( 395768.0,
3817039.5,     958.8,    1439.0,       0.0);
    ( 395788.6, 3817050.5,     959.8,    1430.2,       0.0);         ( 395809.2,
3817061.5,     961.0,    1356.4,       0.0);
    ( 395829.8, 3817072.5,     962.3,    1356.4,       0.0);         ( 395850.3,
3817083.4,     963.7,    1356.4,       0.0);
    ( 395641.6, 3817028.8,     957.9,    1440.1,       0.0);         ( 395662.2,
3817039.8,     958.2,    1440.1,       0.0);
    ( 395682.8, 3817050.7,     959.2,    1440.1,       0.0);         ( 395703.3,
3817061.7,     960.3,    1440.1,       0.0);
    ( 395723.9, 3817072.7,     961.0,    1440.1,       0.0);         ( 395744.5,
3817083.7,     962.1,    1440.1,       0.0);
    ( 395765.1, 3817094.6,     963.2,    1439.0,       0.0);         ( 395785.7,
3817105.6,     964.1,    1439.0,       0.0);
    ( 395806.2, 3817116.6,     965.0,    1356.4,       0.0);         ( 395826.8,
3817127.6,     966.0,    1356.4,       0.0);
    ( 395618.1, 3817072.9,     963.1,    1440.1,       0.0);         ( 395638.6,
3817083.9,     965.2,    1440.1,       0.0);
    ( 395659.2, 3817094.8,     965.2,    1440.1,       0.0);         ( 395679.8,
3817105.8,     965.4,    1440.1,       0.0);
    ( 395700.4, 3817116.8,     967.2,    1440.1,       0.0);         ( 395721.0,
3817127.8,     967.4,    1439.0,       0.0);
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(395741.5, 3817138.8, 968.7, 1439.0, 0.0); (395762.1, 3817149.7, 970.8, 1356.4, 0.0);
(395782.7, 3817160.7, 972.0, 1356.4, 0.0); (395803.3, 3817171.7, 973.1, 1356.4, 0.0);
(395615.1, 3817128.0, 973.4, 1439.0, 0.0); (395635.7, 3817139.0, 974.5, 1439.0, 0.0);
(395656.3, 3817149.9, 975.0, 1439.0, 0.0); (395676.9, 3817160.9, 975.4, 1430.2, 0.0);
(395697.4, 3817171.9, 976.1, 1356.4, 0.0); (395718.0, 3817182.9, 977.3, 1356.4, 0.0);
(395738.6, 3817193.8, 978.5, 1356.4, 0.0); (395759.2, 3817204.8, 979.6, 1356.4, 0.0);
(395779.8, 3817215.8, 981.1, 1356.4, 0.0); (395591.6, 3817172.1, 981.0, 1426.6, 0.0);
(395612.2, 3817183.1, 982.5, 1356.4, 0.0); (395632.8, 3817194.1, 984.1, 1356.4, 0.0);
(395653.3, 3817205.0, 985.8, 1356.4, 0.0); (395673.9, 3817216.0, 987.8, 1356.4, 0.0);
(395694.5, 3817227.0, 989.6, 1320.1, 0.0); (395715.1, 3817238.0, 990.3, 1320.1, 0.0);
(395735.6, 3817248.9, 990.4, 1320.1, 0.0); (395756.2, 3817259.9, 990.5, 1188.9, 0.0);
(395568.1, 3817216.2, 989.0, 1320.1, 0.0); (395588.6, 3817227.2, 990.8, 1188.9, 0.0);
(395609.2, 3817238.2, 993.2, 1188.9, 0.0); (395629.8, 3817249.1, 996.7, 1188.9, 0.0);
(395650.4, 3817260.1, 1001.5, 1188.9, 0.0); (395671.0, 3817271.1, 1005.8, 1188.9, 0.0);
(395691.5, 3817282.1, 1007.2, 1188.9, 0.0); (395712.1, 3817293.1, 1006.0, 1188.9, 0.0);
(395732.7, 3817304.0, 1003.8, 1188.9, 0.0); (395521.0, 3817304.5, 1002.9, 1188.9, 0.0);
(395541.6, 3817315.4, 1005.6, 1188.9, 0.0); (395562.2, 3817326.4, 1008.0, 1188.9, 0.0);

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

(395582.7, 3817337.4, 1011.4, 1188.9, 0.0); (395603.3, 3817348.4, 1016.9, 1188.9, 0.0);
(395623.9, 3817359.3, 1025.1, 1188.9, 0.0); (395644.5, 3817370.3, 1033.6, 1188.9, 0.0);

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     ( 395665.1, 3817381.3,    1038.6,    1188.9,       0.0);         ( 395685.6,
3817392.3,    1037.6,    1188.9,       0.0);
     ( 395494.5, 3817403.7,    1025.7,    1188.9,       0.0);         ( 395515.1,
3817414.6,    1028.3,    1188.9,       0.0);
     ( 395535.7, 3817425.6,    1030.2,    1188.9,       0.0);         ( 395556.3,
3817436.6,    1032.7,    1188.9,       0.0);
     ( 395576.8, 3817447.6,    1036.6,    1188.9,       0.0);         ( 395597.4,
3817458.5,    1046.4,    1188.9,       0.0);
     ( 395618.0, 3817469.5,    1057.2,    1188.9,       0.0);         ( 395638.6,
3817480.5,    1067.0,    1188.9,       0.0);
     ( 395447.5, 3817491.9,    1050.0,    1188.9,       0.0);         ( 395468.0,
3817502.9,    1057.4,    1188.9,       0.0);
     ( 395488.6, 3817513.9,    1065.1,    1188.9,       0.0);         ( 395509.2,
3817524.8,    1070.5,    1188.9,       0.0);
     ( 395529.8, 3817535.8,    1071.0,    1188.9,       0.0);         ( 395550.4,
3817546.8,    1071.4,    1188.9,       0.0);
     ( 395571.0, 3817557.8,    1073.4,    1188.9,       0.0);         ( 395591.5,
3817568.7,    1076.3,    1188.9,       0.0);
     ( 395421.0, 3817591.1,    1055.4,    1188.9,       0.0);         ( 395441.6,
3817602.1,    1057.7,    1188.9,       0.0);
     ( 395462.1, 3817613.1,    1059.2,    1188.9,       0.0);         ( 395482.7,
3817624.0,    1062.8,    1188.9,       0.0);
     ( 395503.3, 3817635.0,    1068.0,    1188.9,       0.0);         ( 395523.9,
3817646.0,    1078.6,    1188.9,       0.0);
     ( 395544.5, 3817657.0,    1091.1,    1188.9,       0.0);         ( 395373.9,
3817679.3,    1096.8,    1188.9,       0.0);
     ( 395394.5, 3817690.3,    1101.7,    1188.9,       0.0);         ( 395415.1,
3817701.3,    1107.1,    1188.9,       0.0);
     ( 395435.7, 3817712.3,    1110.5,    1186.5,       0.0);         ( 395456.2,
3817723.3,    1112.0,    1186.5,       0.0);
     ( 395476.8, 3817734.2,    1114.1,    1186.5,       0.0);         ( 395497.4,
3817745.2,    1115.1,    1186.5,       0.0);
     ( 395276.9, 3817910.9,    1088.6,    1188.9,       0.0);         ( 395297.4,
3817921.9,    1092.6,    1188.9,       0.0);
     ( 395318.0, 3817932.9,    1094.1,    1188.9,       0.0);         ( 395338.6,
3817943.8,    1095.8,    1188.9,       0.0);
     ( 395359.2, 3817954.8,    1098.8,    1188.9,       0.0);         ( 395379.8,
3817965.8,    1108.7,    1188.9,       0.0);
     ( 395200.4, 3818153.5,    1101.3,    1188.9,       0.0);         ( 395221.0,
3818164.4,    1108.9,    1188.9,       0.0);
     ( 395241.5, 3818175.4,    1117.9,    1188.9,       0.0);         ( 395262.1,
3818186.4,    1122.7,    1188.9,       0.0);
     ( 394918.1, 3818286.2,    1141.8,    1188.9,       0.0);         ( 395000.4,
3818330.1,    1139.0,    1188.9,       0.0);
     ( 395103.3, 3818385.0,    1100.0,    1440.1,       0.0);         ( 395123.9,
3818396.0,    1103.4,    1440.1,       0.0);
     ( 395144.5, 3818407.0,    1110.0,    1188.9,       0.0);         ( 394800.4,
3818506.8,    1096.6,    1440.1,       0.0);
     ( 394821.0, 3818517.8,    1090.2,    1440.1,       0.0);         ( 394841.6,
3818528.8,    1083.2,    1440.1,       0.0);
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(395006.2, 3818616.6, 1078.2, 1440.1, 0.0); (395026.8, 3818627.6, 1083.5, 1440.1, 0.0);
(394565.1, 3818948.0, 1050.3, 1440.1, 0.0); (394585.7, 3818959.0, 1052.8, 1440.1, 0.0);
(394606.3, 3818970.0, 1057.2, 1440.1, 0.0); (394626.9, 3818980.9, 1061.9, 1440.1, 0.0);
(394647.5, 3818991.9, 1066.8, 1440.1, 0.0); (394668.0, 3819002.9, 1072.0, 1440.1, 0.0);
(394329.9, 3819389.2, 1160.8, 1440.1, 0.0); (394350.4, 3819400.2, 1158.7, 1440.1, 0.0);
(394371.0, 3819411.1, 1155.4, 1440.1, 0.0); (394391.6, 3819422.1, 1155.0, 1440.1, 0.0);
(394412.2, 3819433.1, 1156.7, 1440.1, 0.0); (394432.8, 3819444.1, 1159.3, 1440.1, 0.0);
(394453.3, 3819455.0, 1156.5, 1440.1, 0.0); (394473.9, 3819466.0, 1153.0, 1440.1, 0.0);
(394494.5, 3819477.0, 1147.4, 1440.1, 0.0); (394094.6, 3819830.4, 1165.8, 1440.1, 0.0);
(394115.1, 3819841.3, 1167.0, 1440.1, 0.0); (394135.7, 3819852.3, 1169.0, 1440.1, 0.0);
(394156.3, 3819863.3, 1172.2, 1440.1, 0.0); (394176.9, 3819874.3, 1172.4, 1440.1, 0.0);
(394197.5, 3819885.2, 1167.4, 1440.1, 0.0); (394218.0, 3819896.2, 1160.7, 1440.1, 0.0);
(394238.6, 3819907.2, 1153.3, 1440.1, 0.0); (394259.2, 3819918.2, 1146.2, 1440.1, 0.0);
(394279.8, 3819929.1, 1139.7, 1440.1, 0.0); (394300.4, 3819940.1, 1133.5, 1440.1, 0.0);
(394321.0, 3819951.1, 1129.1, 1440.1, 0.0); (393859.3, 3820271.5, 1195.2, 1440.1, 0.0);
(393879.8, 3820282.5, 1190.3, 1440.1, 0.0); (393900.4, 3820293.5, 1186.0, 1440.1, 0.0);
(393921.0, 3820304.5, 1182.8, 1440.1, 0.0); (393941.6, 3820315.4, 1179.6, 1440.1, 0.0);
(393962.2, 3820326.4, 1176.8, 1440.1, 0.0); (393982.8, 3820337.4, 1174.6, 1440.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394003.3, 3820348.4, 1171.9, 1440.1, 0.0); (394023.9, 3820359.3, 1168.6, 1440.1, 0.0);

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     ( 394044.5, 3820370.3,    1165.7,    1440.1,       0.0);         ( 394065.1,
3820381.3,    1166.0,    1440.1,       0.0);
     ( 394085.7, 3820392.3,    1167.3,    1440.1,       0.0);         ( 393231.8,
3821448.0,    1312.0,    1440.1,       0.0);
     ( 393252.4, 3821459.0,    1321.4,    1440.1,       0.0);         ( 393273.0,
3821470.0,    1328.8,    1440.1,       0.0);
     ( 393293.6, 3821480.9,    1328.5,    1440.1,       0.0);         ( 393314.1,
3821491.9,    1324.6,    1440.1,       0.0);
     ( 393334.7, 3821502.9,    1323.2,    1440.1,       0.0);         ( 393355.3,
3821513.9,    1326.2,    1440.1,       0.0);
     ( 393375.9, 3821524.8,    1326.0,    1440.1,       0.0);         ( 393396.5,
3821535.8,    1323.8,    1440.1,       0.0);
     ( 393417.0, 3821546.8,    1324.3,    1440.1,       0.0);         ( 393437.6,
3821557.8,    1329.9,    1440.1,       0.0);
     ( 393458.2, 3821568.8,    1338.8,    1440.1,       0.0);         ( 392604.4,
3822624.5,    1168.0,    1530.3,       0.0);
     ( 392625.0, 3822635.5,    1164.2,    1530.3,       0.0);         ( 392645.5,
3822646.4,    1167.2,    1530.3,       0.0);
     ( 392666.1, 3822657.4,    1165.6,    1526.2,       0.0);         ( 392686.7,
3822668.4,    1159.1,    1530.3,       0.0);
     ( 392707.3, 3822679.4,    1152.4,    1530.3,       0.0);         ( 392727.9,
3822690.3,    1145.8,    1582.1,       0.0);
     ( 392748.5, 3822701.3,    1142.2,    1583.0,       0.0);         ( 392769.0,
3822712.3,    1141.9,    1582.1,       0.0);
     ( 392789.6, 3822723.3,    1140.0,    1582.1,       0.0);         ( 392810.2,
3822734.2,    1136.1,    1584.3,       0.0);
     ( 392830.8, 3822745.2,    1132.8,    1585.6,       0.0);         ( 391976.9,
3823801.0,    1043.6,    1591.3,       0.0);
     ( 391997.5, 3823811.9,    1039.3,    1591.3,       0.0);         ( 392018.1,
3823822.9,    1035.4,    1591.3,       0.0);
     ( 392038.7, 3823833.9,    1032.3,    1591.3,       0.0);         ( 392059.3,
3823844.9,    1028.7,    1591.3,       0.0);
     ( 392079.8, 3823855.8,    1022.6,    1591.3,       0.0);         ( 392100.4,
3823866.8,    1018.6,    1591.3,       0.0);
     ( 392121.0, 3823877.8,    1016.0,    1591.3,       0.0);         ( 392141.6,
3823888.8,    1013.9,    1591.3,       0.0);
     ( 392162.2, 3823899.7,    1012.0,    1591.3,       0.0);         ( 392182.7,
3823910.7,    1010.4,    1591.3,       0.0);
     ( 392203.3, 3823921.7,    1010.5,    1591.3,       0.0);         ( 391349.5,
3824977.4,     998.0,    1591.3,       0.0);
     ( 391370.1, 3824988.4,     989.3,    1591.3,       0.0);         ( 391390.6,
3824999.4,     985.5,    1591.3,       0.0);
     ( 391411.2, 3825010.4,     983.1,    1591.3,       0.0);         ( 391431.8,
3825021.3,     981.5,    1591.3,       0.0);
     ( 391452.4, 3825032.3,     977.5,    1591.3,       0.0);         ( 391473.0,
3825043.3,     969.8,    1591.3,       0.0);
     ( 391493.5, 3825054.3,     963.5,    1591.3,       0.0);         ( 391514.1,
3825065.2,     960.9,    1591.3,       0.0);
     ( 391534.7, 3825076.2,     960.0,    1591.3,       0.0);         ( 391555.3,
3825087.2,     961.6,    1591.3,       0.0);
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     ( 391575.9, 3825098.2,     963.8,    1591.3,       0.0);         ( 390722.0,
3826153.9,     912.3,    1591.3,       0.0);
     ( 390742.6, 3826164.9,     911.3,    1591.3,       0.0);         ( 390763.2,
3826175.9,     910.1,    1591.3,       0.0);
     ( 390783.8, 3826186.8,     909.4,    1591.3,       0.0);         ( 390804.4,
3826197.8,     908.4,    1591.3,       0.0);
     ( 390825.0, 3826208.8,     907.4,    1591.3,       0.0);         ( 390845.5,
3826219.8,     907.9,    1591.3,       0.0);
     ( 390866.1, 3826230.7,     908.2,    1591.3,       0.0);         ( 390886.7,
3826241.7,     907.7,    1591.3,       0.0);
     ( 390907.3, 3826252.7,     907.1,    1591.3,       0.0);         ( 390927.8,
3826263.7,     905.1,    1591.3,       0.0);
     ( 390948.4, 3826274.6,     904.1,    1591.3,       0.0);         ( 390094.6,
3827330.4,     920.5,    1591.3,       0.0);
     ( 390115.2, 3827341.3,     920.9,    1591.3,       0.0);         ( 390135.8,
3827352.3,     920.8,    1591.3,       0.0);
     ( 390156.3, 3827363.3,     920.2,    1591.3,       0.0);         ( 390176.9,
3827374.3,     919.4,    1591.3,       0.0);
     ( 390197.5, 3827385.3,     918.3,    1591.3,       0.0);         ( 390218.1,
3827396.2,     918.1,    1591.3,       0.0);
     ( 390238.7, 3827407.2,     918.4,    1591.3,       0.0);         ( 390259.2,
3827418.2,     917.5,    1591.3,       0.0);
     ( 390279.8, 3827429.2,     914.5,    1591.3,       0.0);         ( 390300.4,
3827440.1,     913.0,    1591.3,       0.0);
     ( 390321.0, 3827451.1,     913.4,    1591.3,       0.0);         ( 395912.7,
3817026.0,     961.8,    1356.4,       0.0);
     ( 395935.4, 3817033.0,     961.2,    1356.4,       0.0);         ( 395958.0,
3817039.9,     959.1,    1356.4,       0.0);
     ( 395905.4, 3817049.9,     962.8,    1356.4,       0.0);         ( 395928.1,
3817056.9,     964.1,    1356.4,       0.0);
     ( 395950.7, 3817063.8,     962.7,    1356.4,       0.0);         ( 395898.1,
3817073.8,     964.4,    1356.4,       0.0);
     ( 395920.8, 3817080.8,     965.8,    1356.4,       0.0);         ( 395943.4,
3817087.7,     963.5,    1356.4,       0.0);
     ( 395890.8, 3817097.8,     966.1,    1356.4,       0.0);         ( 395913.5,
3817104.7,     967.4,    1356.4,       0.0);
     ( 395936.1, 3817111.6,     967.1,    1356.4,       0.0);         ( 395853.6,
3817138.7,     967.2,    1356.4,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)
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    ( 395876.2, 3817145.6,     968.1,    1356.4,       0.0);         ( 395898.8,
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    ( 395921.5, 3817159.4,     970.1,    1356.4,       0.0);         ( 395839.0,
3817186.5,     976.0,    1356.4,       0.0);
    ( 395861.6, 3817193.4,     976.9,    1356.4,       0.0);         ( 395884.2,
3817200.3,     977.4,    1356.4,       0.0);
    ( 395906.9, 3817207.2,     977.6,    1356.4,       0.0);         ( 395809.5,
3817228.1,     982.1,    1356.4,       0.0);
    ( 395847.0, 3817241.2,     983.1,    1356.4,       0.0);         ( 395869.6,
3817248.1,     983.0,    1356.4,       0.0);
    ( 395892.2, 3817255.0,     982.9,    1356.4,       0.0);         ( 395791.9,
3817274.7,     990.7,    1188.9,       0.0);
    ( 395832.4, 3817289.0,     991.1,    1188.9,       0.0);         ( 395855.0,
3817295.9,     990.1,    1188.9,       0.0);
    ( 395877.6, 3817302.9,     988.9,    1188.9,       0.0);         ( 395774.3,
3817321.3,    1000.9,    1188.9,       0.0);
    ( 395795.1, 3817329.9,    1000.4,    1188.9,       0.0);         ( 395817.7,
3817336.8,     999.3,    1188.9,       0.0);
    ( 395840.4, 3817343.8,     998.2,    1188.9,       0.0);         ( 395863.0,
3817350.7,     996.6,    1188.9,       0.0);
    ( 395745.8, 3817417.2,    1023.2,    1188.9,       0.0);         ( 395788.5,
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    ( 395811.1, 3817439.4,    1019.4,    1188.9,       0.0);         ( 395833.8,
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    ( 395717.0, 3817513.0,    1058.7,    1188.9,       0.0);         ( 395677.8,
3817496.8,    1064.7,    1188.9,       0.0);
    ( 395759.3, 3817528.1,    1048.7,    1188.9,       0.0);         ( 395781.9,
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    ( 395804.6, 3817541.9,    1034.5,    1188.9,       0.0);         ( 395688.1,
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    ( 395649.5, 3817592.8,    1088.2,    1186.5,       0.0);         ( 395730.0,
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    ( 395752.7, 3817630.7,    1053.7,    1188.9,       0.0);         ( 395775.3,
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    ( 395659.1, 3817704.5,    1082.2,    1188.9,       0.0);         ( 395620.9,
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    ( 395582.7, 3817672.8,    1108.7,    1186.5,       0.0);         ( 395700.8,
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    ( 395723.5, 3817726.3,    1067.3,    1188.9,       0.0);         ( 395746.1,
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    ( 395627.3, 3817799.1,    1119.2,    1186.5,       0.0);         ( 395605.6,
3817790.1,    1127.9,    1186.5,       0.0);
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    ( 395540.7, 3817763.2,    1124.4,    1186.5,       0.0);         ( 395519.1,
3817754.2,    1117.1,    1186.5,       0.0);
    ( 395649.0, 3817808.1,    1105.7,    1186.5,       0.0);         ( 395671.6,
3817815.0,    1091.9,    1186.5,       0.0);
    ( 395694.2, 3817821.9,    1079.0,    1188.9,       0.0);         ( 395716.9,
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     ( 395510.5, 3818020.0,    1179.8,    1186.4,       0.0);         ( 395488.7,
3818011.0,    1171.6,    1186.5,       0.0);
     ( 395466.9, 3818002.0,    1160.5,    1186.5,       0.0);         ( 395445.1,
3817992.9,    1147.0,    1186.5,       0.0);
     ( 395423.3, 3817983.9,    1132.1,    1186.5,       0.0);         ( 395401.6,
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     ( 395402.5, 3818244.6,    1103.8,    1188.9,       0.0);         ( 395362.4,
3818228.0,    1105.2,    1188.9,       0.0);
     ( 395322.3, 3818211.3,    1113.5,    1188.9,       0.0);         ( 395525.4,
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     ( 395548.1, 3818300.1,    1100.7,    1188.9,       0.0);         ( 395570.7,
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     ( 395327.8, 3818483.1,    1085.7,    1440.1,       0.0);         ( 395287.1,
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     ( 395246.3, 3818449.2,    1100.1,    1440.1,       0.0);         ( 395205.6,
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     ( 395452.4, 3818532.2,    1078.0,    1440.1,       0.0);         ( 395475.0,
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     ( 395497.6, 3818546.1,    1078.5,    1440.1,       0.0);         ( 395336.0,
3818755.9,    1073.3,    1440.1,       0.0);
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     ( 395212.3, 3818704.5,    1066.5,    1440.1,       0.0);         ( 395171.1,
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     ( 395129.9, 3818670.3,    1077.5,    1440.1,       0.0);         ( 395088.7,
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3818778.2,    1081.2,    1440.1,       0.0);
     ( 395424.6, 3818785.2,    1081.4,    1440.1,       0.0);         ( 395189.5,
3819233.9,    1073.6,    1440.1,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                       ***       09:14:47

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

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(395084.8, 3819190.4, 1069.1, 1440.1, 0.0); (395063.9, 3819181.7, 1071.4, 1440.1, 0.0);
(395042.9, 3819173.0, 1072.9, 1440.1, 0.0); (395022.0, 3819164.3, 1073.6, 1440.1, 0.0);
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(394959.1, 3819138.3, 1073.0, 1440.1, 0.0); (394938.2, 3819129.6, 1072.8, 1440.1, 0.0);
(394917.2, 3819120.9, 1072.7, 1440.1, 0.0); (394896.3, 3819112.2, 1072.5, 1440.1, 0.0);
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(394873.8, 3819641.7, 1094.2, 1440.1, 0.0); (394852.6, 3819632.9, 1092.2, 1440.1, 0.0);
(394831.5, 3819624.1, 1091.9, 1440.1, 0.0); (394810.3, 3819615.3, 1092.7, 1440.1, 0.0);
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     ( 394875.5, 3820181.2,    1119.8,    1440.1,       0.0);         ( 394854.2,
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     ( 394790.2, 3820145.8,    1120.5,    1440.1,       0.0);         ( 394768.9,
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     ( 394747.5, 3820128.1,    1120.1,    1440.1,       0.0);         ( 394726.2,
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     ( 394704.9, 3820110.4,    1122.1,    1440.1,       0.0);         ( 394683.6,
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     ( 394619.6, 3820075.0,    1124.4,    1440.1,       0.0);         ( 394598.2,
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     ( 394491.6, 3820021.9,    1126.5,    1440.1,       0.0);         ( 394470.3,
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     ( 394448.9, 3820004.2,    1126.4,    1440.1,       0.0);         ( 394918.2,
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     ( 394986.1, 3820219.7,    1116.4,    1440.1,       0.0);         ( 394750.6,
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     ( 394729.1, 3820659.3,    1185.7,    1440.1,       0.0);         ( 394707.7,
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     ( 394686.2, 3820641.5,    1190.2,    1440.1,       0.0);         ( 394664.8,
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     ( 394643.3, 3820623.7,    1197.7,    1440.1,       0.0);         ( 394621.9,
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     ( 394471.8, 3820552.5,    1189.3,    1440.1,       0.0);         ( 394450.3,
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     ( 394428.8, 3820534.7,    1178.5,    1440.1,       0.0);         ( 394407.4,
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 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                         ***       09:14:47

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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(394107.1, 3820401.2, 1167.4, 1440.1, 0.0); (394772.0, 3820677.1, 1185.6, 1440.1, 0.0);
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(394296.3, 3821916.5, 1257.6, 1440.1, 0.0); (394274.8, 3821907.6, 1269.8, 1440.1, 0.0);
(394253.4, 3821898.7, 1280.5, 1440.1, 0.0); (394231.9, 3821889.8, 1288.7, 1440.1, 0.0);
(394210.4, 3821880.8, 1288.7, 1440.1, 0.0); (394188.9, 3821871.9, 1282.5, 1440.1, 0.0);
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(394081.4, 3821827.3, 1277.1, 1440.1, 0.0); (394059.9, 3821818.4, 1274.5, 1440.1, 0.0);
(394038.5, 3821809.5, 1266.7, 1440.1, 0.0); (394017.0, 3821800.6, 1257.0, 1440.1, 0.0);
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(393866.5, 3821738.2, 1254.8, 1440.1, 0.0); (393845.0, 3821729.2, 1268.7, 1440.1, 0.0);
(393823.5, 3821720.3, 1282.1, 1440.1, 0.0); (393802.1, 3821711.4, 1295.5, 1440.1, 0.0);
(393780.6, 3821702.5, 1308.1, 1440.1, 0.0); (393759.1, 3821693.6, 1318.2, 1440.1, 0.0);
(393608.6, 3821631.2, 1365.0, 1440.1, 0.0); (393587.2, 3821622.2, 1366.1, 1440.1, 0.0);
(393565.7, 3821613.3, 1366.0, 1440.1, 0.0); (393544.2, 3821604.4, 1364.2, 1440.1, 0.0);

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     ( 393522.7, 3821595.5,    1360.3,    1440.1,       0.0);         ( 393501.2,
3821586.6,    1355.0,    1440.1,       0.0);
     ( 393479.7, 3821577.7,    1348.2,    1440.1,       0.0);         ( 394382.3,
3821952.2,    1238.4,    1440.1,       0.0);
     ( 394404.9, 3821959.1,    1244.0,    1440.1,       0.0);         ( 394427.6,
3821966.0,    1248.4,    1440.1,       0.0);
     ( 394450.2, 3821972.9,    1251.3,    1440.1,       0.0);         ( 393971.0,
3823218.3,    1016.4,    1587.1,       0.0);
     ( 393949.5, 3823209.4,    1008.7,    1587.1,       0.0);         ( 393928.0,
3823200.5,    1000.7,    1587.1,       0.0);
     ( 393906.5, 3823191.6,     998.5,    1587.1,       0.0);         ( 393885.0,
3823182.6,     998.0,    1587.1,       0.0);
     ( 393863.5, 3823173.7,     996.4,    1587.1,       0.0);         ( 393842.0,
3823164.8,     996.0,    1587.1,       0.0);
     ( 393820.4, 3823155.8,     996.3,    1587.1,       0.0);         ( 393798.9,
3823146.9,     997.5,    1587.1,       0.0);
     ( 393777.4, 3823138.0,    1001.1,    1587.1,       0.0);         ( 393755.9,
3823129.1,    1003.3,    1587.1,       0.0);
     ( 393734.4, 3823120.1,    1001.7,    1587.1,       0.0);         ( 393712.9,
3823111.2,    1002.3,    1587.1,       0.0);
     ( 393691.3, 3823102.3,    1002.8,    1587.1,       0.0);         ( 393669.8,
3823093.4,    1002.5,    1587.1,       0.0);
     ( 393648.3, 3823084.4,    1000.9,    1587.1,       0.0);         ( 393626.8,
3823075.5,     998.1,    1587.1,       0.0);
     ( 393605.3, 3823066.6,     996.9,    1587.1,       0.0);         ( 393583.8,
3823057.7,     996.7,    1587.1,       0.0);
     ( 393562.3, 3823048.7,     997.2,    1587.1,       0.0);         ( 393540.8,
3823039.8,     997.8,    1587.1,       0.0);
     ( 393519.2, 3823030.9,     998.8,    1587.1,       0.0);         ( 393497.7,
3823021.9,    1000.7,    1587.1,       0.0);
     ( 393476.2, 3823013.0,    1003.7,    1587.1,       0.0);         ( 393454.7,
3823004.1,    1006.8,    1587.1,       0.0);
     ( 393433.2, 3822995.2,    1010.7,    1587.1,       0.0);         ( 393411.7,
3822986.2,    1016.6,    1587.1,       0.0);
     ( 393390.1, 3822977.3,    1024.4,    1587.1,       0.0);         ( 393368.6,
3822968.4,    1030.2,    1587.1,       0.0);
     ( 393347.1, 3822959.5,    1033.1,    1587.1,       0.0);         ( 393325.6,
3822950.5,    1035.1,    1587.1,       0.0);
     ( 393304.1, 3822941.6,    1038.1,    1587.1,       0.0);         ( 393282.6,
3822932.7,    1042.9,    1587.1,       0.0);
     ( 393261.1, 3822923.8,    1048.2,    1587.1,       0.0);         ( 393089.0,
3822852.3,    1092.8,    1587.1,       0.0);
     ( 393067.4, 3822843.4,    1097.2,    1587.1,       0.0);         ( 393045.9,
3822834.5,    1100.6,    1587.1,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                       ***       09:14:47
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(393024.4, 3822825.6, 1104.5, 1587.1, 0.0); (393002.9, 3822816.6, 1108.0, 1587.1, 0.0);
(392981.4, 3822807.7, 1108.8, 1587.1, 0.0); (392959.9, 3822798.8, 1108.3, 1587.1, 0.0);
(392938.3, 3822789.9, 1111.0, 1587.1, 0.0); (392916.8, 3822780.9, 1115.0, 1587.1, 0.0);
(392895.3, 3822772.0, 1121.5, 1587.1, 0.0); (392873.8, 3822763.1, 1127.8, 1586.4, 0.0);
(392852.3, 3822754.1, 1130.7, 1585.6, 0.0); (393992.6, 3823227.3, 1021.0, 1586.4, 0.0);
(394015.2, 3823234.2, 1020.1, 1585.6, 0.0); (394037.8, 3823241.1, 1019.7, 1584.3, 0.0);
(394060.5, 3823248.0, 1026.4, 1530.3, 0.0); (393581.3, 3824493.4,   928.7, 1587.9, 0.0);
(393559.8, 3824484.5,   930.3, 1587.9, 0.0); (393538.2, 3824475.6,   931.7, 1587.9, 0.0);
(393516.7, 3824466.6,   933.6, 1587.9, 0.0); (393495.2, 3824457.7,   935.5, 1587.9, 0.0);
(393473.6, 3824448.8,   937.3, 1587.9, 0.0); (393452.1, 3824439.8,   940.2, 1587.9, 0.0);
(393430.6, 3824430.9,   944.4, 1587.9, 0.0); (393409.0, 3824422.0,   946.7, 1587.9, 0.0);
(393387.5, 3824413.0,   948.6, 1587.9, 0.0); (393366.0, 3824404.1,   945.5, 1588.5, 0.0);
(393344.5, 3824395.2,   944.6, 1588.5, 0.0); (393322.9, 3824386.2,   945.5, 1588.5, 0.0);
(393301.4, 3824377.3,   947.9, 1588.5, 0.0); (393279.9, 3824368.4,   951.2, 1588.5, 0.0);
(393258.3, 3824359.4,   955.3, 1588.5, 0.0); (393236.8, 3824350.5,   958.3, 1588.5, 0.0);
(393215.3, 3824341.6,   961.8, 1588.5, 0.0); (393193.7, 3824332.6,   966.3, 1587.9, 0.0);
(393172.2, 3824323.7,   972.2, 1587.9, 0.0); (393150.7, 3824314.8,   980.5, 1587.9, 0.0);
(393129.1, 3824305.8,   986.0, 1587.9, 0.0); (393107.6, 3824296.9,   992.5, 1587.9, 0.0);
(393086.1, 3824288.0,   996.8, 1587.8, 0.0); (393064.5, 3824279.0, 1001.2, 1587.1, 0.0);
(393043.0, 3824270.1, 1006.3, 1587.1, 0.0); (393021.5, 3824261.2, 1008.6, 1587.1, 0.0);
(393000.0, 3824252.2, 1005.9, 1587.8, 0.0); (392978.4, 3824243.3, 1005.6, 1587.9, 0.0);
(392956.9, 3824234.4, 1008.6, 1587.9, 0.0); (392935.4, 3824225.4, 1015.4, 1587.1, 0.0);

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     ( 392913.8, 3824216.5,    1022.7,    1587.1,       0.0);         ( 392892.3,
3824207.6,    1030.5,    1587.1,       0.0);
     ( 392870.8, 3824198.6,    1033.4,    1587.1,       0.0);         ( 392849.2,
3824189.7,    1035.9,    1587.1,       0.0);
     ( 392827.7, 3824180.8,    1038.6,    1587.1,       0.0);         ( 392806.2,
3824171.8,    1035.3,    1587.1,       0.0);
     ( 392784.6, 3824162.9,    1029.5,    1587.8,       0.0);         ( 392763.1,
3824154.0,    1024.2,    1587.9,       0.0);
     ( 392569.3, 3824073.6,    1021.0,    1588.5,       0.0);         ( 392547.8,
3824064.6,    1024.6,    1588.5,       0.0);
     ( 392526.3, 3824055.7,    1020.9,    1588.5,       0.0);         ( 392504.8,
3824046.8,    1016.5,    1590.6,       0.0);
     ( 392483.2, 3824037.8,    1013.6,    1590.6,       0.0);         ( 392461.7,
3824028.9,    1011.9,    1590.6,       0.0);
     ( 392440.2, 3824020.0,    1009.4,    1590.6,       0.0);         ( 392418.6,
3824011.0,    1009.1,    1591.3,       0.0);
     ( 392397.1, 3824002.1,    1014.2,    1590.6,       0.0);         ( 392375.6,
3823993.2,    1017.7,    1590.6,       0.0);
     ( 392354.0, 3823984.2,    1015.7,    1591.3,       0.0);         ( 392332.5,
3823975.3,    1010.4,    1591.3,       0.0);
     ( 392311.0, 3823966.4,    1005.7,    1591.3,       0.0);         ( 392289.5,
3823957.4,    1007.9,    1591.3,       0.0);
     ( 392267.9, 3823948.5,    1013.9,    1591.3,       0.0);         ( 392246.4,
3823939.6,    1016.1,    1591.3,       0.0);
     ( 392224.8, 3823930.6,    1013.4,    1591.3,       0.0);         ( 393602.8,
3824502.4,     926.9,    1587.9,       0.0);
     ( 393625.5, 3824509.3,     925.4,    1587.9,       0.0);         ( 393648.1,
3824516.2,     923.8,    1587.9,       0.0);
     ( 393670.7, 3824523.1,     922.4,    1587.9,       0.0);         ( 393191.2,
3825768.4,     894.3,    1590.6,       0.0);
     ( 393169.4, 3825759.3,     894.9,    1590.6,       0.0);         ( 393147.6,
3825750.3,     891.5,    1591.3,       0.0);
     ( 393125.8, 3825741.2,     889.2,    1591.3,       0.0);         ( 393103.9,
3825732.2,     888.9,    1591.3,       0.0);
     ( 393082.1, 3825723.1,     889.2,    1591.3,       0.0);         ( 393060.3,
3825714.1,     889.8,    1591.3,       0.0);
     ( 393038.5, 3825705.0,     890.8,    1591.3,       0.0);         ( 393016.6,
3825695.9,     892.5,    1591.3,       0.0);
     ( 392994.8, 3825686.9,     897.6,    1591.3,       0.0);         ( 392973.0,
3825677.8,     898.8,    1591.3,       0.0);
     ( 392951.1, 3825668.8,     899.3,    1591.3,       0.0);         ( 392929.3,
3825659.7,     899.0,    1591.3,       0.0);
     ( 392907.5, 3825650.7,     898.2,    1591.3,       0.0);         ( 392885.6,
3825641.6,     901.8,    1591.3,       0.0);
     ( 392863.8, 3825632.5,     907.1,    1591.3,       0.0);         ( 392842.0,
3825623.5,     907.5,    1591.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                         ***       09:14:47
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(392820.1, 3825614.4, 907.3, 1591.3, 0.0); (392798.3, 3825605.4, 907.1, 1591.3, 0.0);
(392776.5, 3825596.3, 907.2, 1591.3, 0.0); (392754.7, 3825587.3, 907.9, 1591.3, 0.0);
(392732.8, 3825578.2, 907.5, 1591.3, 0.0); (392711.0, 3825569.1, 908.6, 1591.3, 0.0);
(392689.2, 3825560.1, 908.3, 1591.3, 0.0); (392667.3, 3825551.0, 908.6, 1591.3, 0.0);
(392645.5, 3825542.0, 908.8, 1591.3, 0.0); (392623.7, 3825532.9, 909.4, 1591.3, 0.0);
(392601.9, 3825523.9, 910.4, 1591.3, 0.0); (392580.0, 3825514.8, 911.6, 1591.3, 0.0);
(392558.2, 3825505.8, 913.6, 1591.3, 0.0); (392536.4, 3825496.7, 915.0, 1591.3, 0.0);
(392514.5, 3825487.6, 915.5, 1591.3, 0.0); (392492.7, 3825478.6, 916.9, 1591.3, 0.0);
(392470.9, 3825469.5, 919.1, 1591.3, 0.0); (392449.0, 3825460.5, 919.6, 1591.3, 0.0);
(392427.2, 3825451.4, 919.9, 1591.3, 0.0); (392405.4, 3825442.3, 920.0, 1591.3, 0.0);
(392383.6, 3825433.3, 920.2, 1591.3, 0.0); (392361.7, 3825424.2, 920.6, 1591.3, 0.0);
(392339.9, 3825415.2, 921.0, 1591.3, 0.0); (392318.1, 3825406.1, 922.5, 1591.3, 0.0);
(392296.2, 3825397.1, 923.0, 1591.3, 0.0); (392274.4, 3825388.0, 922.6, 1591.3, 0.0);
(392252.6, 3825378.9, 923.5, 1591.3, 0.0); (392056.1, 3825297.4, 930.5, 1591.3, 0.0);
(392034.3, 3825288.4, 931.7, 1591.3, 0.0); (392012.5, 3825279.3, 932.1, 1591.3, 0.0);
(391990.6, 3825270.3, 932.5, 1591.3, 0.0); (391968.8, 3825261.2, 935.1, 1591.3, 0.0);
(391947.0, 3825252.1, 938.9, 1591.3, 0.0); (391925.1, 3825243.1, 939.5, 1591.3, 0.0);
(391903.3, 3825234.0, 939.5, 1591.3, 0.0); (391881.5, 3825225.0, 940.1, 1591.3, 0.0);
(391859.7, 3825215.9, 940.6, 1591.3, 0.0); (391837.8, 3825206.9, 940.9, 1591.3, 0.0);
(391816.0, 3825197.8, 941.5, 1591.3, 0.0); (391794.2, 3825188.7, 942.9, 1591.3, 0.0);
(391772.3, 3825179.7, 944.4, 1591.3, 0.0); (391750.5, 3825170.6, 946.7, 1591.3, 0.0);

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     ( 391728.7, 3825161.6,     947.8,    1591.3,       0.0);         ( 391706.8,
3825152.5,     947.9,    1591.3,       0.0);
     ( 391685.0, 3825143.5,     948.3,    1591.3,       0.0);         ( 391663.2,
3825134.4,     950.2,    1591.3,       0.0);
     ( 391641.4, 3825125.3,     952.8,    1591.3,       0.0);         ( 391619.5,
3825116.3,     958.7,    1591.3,       0.0);
     ( 391597.7, 3825107.2,     963.1,    1591.3,       0.0);         ( 393213.1,
3825777.5,     896.4,    1590.6,       0.0);
     ( 393235.7, 3825784.4,     897.1,    1590.6,       0.0);         ( 393258.4,
3825791.3,     896.2,    1590.6,       0.0);
     ( 393281.0, 3825798.2,     893.0,    1590.6,       0.0);         ( 392801.5,
3827043.5,     954.3,    1587.1,       0.0);
     ( 392779.7, 3827034.5,     949.1,    1587.1,       0.0);         ( 392757.9,
3827025.4,     937.3,    1587.1,       0.0);
     ( 392736.1, 3827016.4,     928.3,    1587.1,       0.0);         ( 392714.3,
3827007.3,     925.6,    1587.1,       0.0);
     ( 392692.5, 3826998.3,     924.4,    1587.8,       0.0);         ( 392670.7,
3826989.2,     919.9,    1587.9,       0.0);
     ( 392648.9, 3826980.2,     911.1,    1588.5,       0.0);         ( 392627.1,
3826971.1,     903.5,    1588.5,       0.0);
     ( 392605.3, 3826962.1,     898.2,    1590.6,       0.0);         ( 392583.5,
3826953.1,     894.0,    1590.6,       0.0);
     ( 392561.7, 3826944.0,     890.2,    1590.6,       0.0);         ( 392539.9,
3826935.0,     886.9,    1591.3,       0.0);
     ( 392518.1, 3826925.9,     884.2,    1591.3,       0.0);         ( 392496.3,
3826916.9,     881.9,    1591.3,       0.0);
     ( 392474.5, 3826907.8,     880.3,    1591.3,       0.0);         ( 392452.7,
3826898.8,     879.4,    1591.3,       0.0);
     ( 392430.9, 3826889.7,     880.5,    1591.3,       0.0);         ( 392409.1,
3826880.7,     881.5,    1591.3,       0.0);
     ( 392387.3, 3826871.6,     882.2,    1591.3,       0.0);         ( 392365.5,
3826862.6,     883.5,    1591.3,       0.0);
     ( 392343.7, 3826853.6,     885.6,    1591.3,       0.0);         ( 392321.9,
3826844.5,     884.9,    1591.3,       0.0);
     ( 392300.1, 3826835.5,     885.0,    1591.3,       0.0);         ( 392278.3,
3826826.4,     889.0,    1591.3,       0.0);
     ( 392256.5, 3826817.4,     893.3,    1591.3,       0.0);         ( 392234.7,
3826808.3,     900.5,    1591.3,       0.0);
     ( 392212.9, 3826799.3,     909.8,    1591.3,       0.0);         ( 392191.1,
3826790.2,     917.9,    1591.3,       0.0);
     ( 392169.3, 3826781.2,     918.4,    1591.3,       0.0);         ( 392147.5,
3826772.1,     916.6,    1591.3,       0.0);
     ( 392125.7, 3826763.1,     909.7,    1591.3,       0.0);         ( 392103.9,
3826754.1,     903.5,    1591.3,       0.0);
     ( 392082.1, 3826745.0,     898.3,    1591.3,       0.0);         ( 392060.3,
3826736.0,     899.9,    1591.3,       0.0);
     ( 392038.5, 3826726.9,     904.5,    1591.3,       0.0);         ( 392016.7,
3826717.9,     905.1,    1591.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(391994.9, 3826708.8, 906.2, 1591.3, 0.0); (391973.1, 3826699.8, 905.2, 1591.3, 0.0);
(391951.3, 3826690.7, 902.2, 1591.3, 0.0); (391929.5, 3826681.7, 899.1, 1591.3, 0.0);
(391907.7, 3826672.6, 896.9, 1591.3, 0.0); (391885.9, 3826663.6, 895.4, 1591.3, 0.0);
(391864.1, 3826654.6, 893.9, 1591.3, 0.0); (391842.3, 3826645.5, 893.1, 1591.3, 0.0);
(391820.5, 3826636.5, 893.0, 1591.3, 0.0); (391798.7, 3826627.4, 893.2, 1591.3, 0.0);
(391776.9, 3826618.4, 892.9, 1591.3, 0.0); (391755.1, 3826609.3, 891.6, 1591.3, 0.0);
(391733.3, 3826600.3, 890.9, 1591.3, 0.0); (391711.5, 3826591.2, 892.5, 1591.3, 0.0);
(391689.7, 3826582.2, 897.0, 1591.3, 0.0); (391537.1, 3826518.9, 895.5, 1591.3, 0.0);
(391515.3, 3826509.8, 895.9, 1591.3, 0.0); (391493.5, 3826500.8, 896.0, 1591.3, 0.0);
(391471.7, 3826491.7, 895.6, 1591.3, 0.0); (391449.9, 3826482.7, 895.7, 1591.3, 0.0);
(391428.1, 3826473.6, 896.1, 1591.3, 0.0); (391406.3, 3826464.6, 896.3, 1591.3, 0.0);
(391384.5, 3826455.6, 896.6, 1591.3, 0.0); (391362.7, 3826446.5, 896.9, 1591.3, 0.0);
(391340.9, 3826437.5, 897.2, 1591.3, 0.0); (391319.0, 3826428.4, 897.6, 1591.3, 0.0);
(391297.2, 3826419.4, 897.9, 1591.3, 0.0); (391275.5, 3826410.3, 898.2, 1591.3, 0.0);
(391253.6, 3826401.3, 898.5, 1591.3, 0.0); (391231.8, 3826392.2, 898.9, 1591.3, 0.0);
(391210.0, 3826383.2, 899.4, 1591.3, 0.0); (391188.2, 3826374.1, 899.8, 1591.3, 0.0);
(391166.5, 3826365.1, 900.4, 1591.3, 0.0); (391144.6, 3826356.0, 900.9, 1591.3, 0.0);
(391122.8, 3826347.0, 901.3, 1591.3, 0.0); (391101.0, 3826338.0, 901.7, 1591.3, 0.0);
(391079.2, 3826328.9, 902.1, 1591.3, 0.0); (391057.4, 3826319.9, 902.5, 1591.3, 0.0);
(391035.6, 3826310.8, 902.9, 1591.3, 0.0); (391013.8, 3826301.8, 902.7, 1591.3, 0.0);

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     ( 390992.0, 3826292.7,     903.8,    1591.3,       0.0);         ( 390970.2,
3826283.7,     904.0,    1591.3,       0.0);
     ( 392823.3, 3827052.6,     959.4,    1587.1,       0.0);         ( 392846.0,
3827059.5,     965.1,    1587.1,       0.0);
     ( 392868.6, 3827066.4,     963.9,    1587.1,       0.0);         ( 392891.3,
3827073.3,     958.8,    1587.1,       0.0);
     ( 392411.8, 3828318.6,     835.7,    1588.5,       0.0);         ( 392390.0,
3828309.6,     835.9,    1588.9,       0.0);
     ( 392368.3, 3828300.6,     836.3,    1590.6,       0.0);         ( 392346.5,
3828291.5,     836.7,    1590.6,       0.0);
     ( 392324.7, 3828282.5,     836.9,    1590.6,       0.0);         ( 392302.9,
3828273.4,     836.8,    1590.6,       0.0);
     ( 392281.1, 3828264.4,     836.8,    1590.6,       0.0);         ( 392259.4,
3828255.4,     837.0,    1590.6,       0.0);
     ( 392237.6, 3828246.3,     837.2,    1590.6,       0.0);         ( 392215.8,
3828237.3,     837.4,    1590.6,       0.0);
     ( 392194.0, 3828228.3,     837.6,    1591.3,       0.0);         ( 392172.2,
3828219.2,     837.9,    1591.3,       0.0);
     ( 392150.5, 3828210.2,     838.4,    1591.3,       0.0);         ( 392128.7,
3828201.1,     839.2,    1591.3,       0.0);
     ( 392106.9, 3828192.1,     839.9,    1591.3,       0.0);         ( 392085.1,
3828183.1,     841.1,    1591.3,       0.0);
     ( 392063.3, 3828174.0,     841.1,    1591.3,       0.0);         ( 392041.6,
3828165.0,     841.3,    1591.3,       0.0);
     ( 392019.8, 3828156.0,     842.7,    1591.3,       0.0);         ( 391998.0,
3828146.9,     844.6,    1591.3,       0.0);
     ( 391976.2, 3828137.9,     844.2,    1591.3,       0.0);         ( 391954.5,
3828128.9,     844.8,    1591.3,       0.0);
     ( 391932.7, 3828119.8,     845.7,    1591.3,       0.0);         ( 391910.9,
3828110.8,     847.5,    1591.3,       0.0);
     ( 391889.1, 3828101.8,     848.3,    1591.3,       0.0);         ( 391867.3,
3828092.7,     848.1,    1591.3,       0.0);
     ( 391845.6, 3828083.7,     849.0,    1591.3,       0.0);         ( 391823.8,
3828074.6,     851.5,    1591.3,       0.0);
     ( 391802.0, 3828065.6,     851.1,    1591.3,       0.0);         ( 391780.2,
3828056.6,     852.0,    1591.3,       0.0);
     ( 391758.4, 3828047.5,     853.3,    1591.3,       0.0);         ( 391736.7,
3828038.5,     854.4,    1591.3,       0.0);
     ( 391714.9, 3828029.5,     855.6,    1591.3,       0.0);         ( 391693.1,
3828020.4,     856.7,    1591.3,       0.0);
     ( 391671.3, 3828011.4,     859.3,    1591.3,       0.0);         ( 391649.5,
3828002.3,     864.8,    1591.3,       0.0);
     ( 391627.8, 3827993.3,     871.0,    1591.3,       0.0);         ( 391606.0,
3827984.3,     877.3,    1591.3,       0.0);
     ( 391584.2, 3827975.2,     880.8,    1591.3,       0.0);         ( 391562.4,
3827966.2,     881.4,    1591.3,       0.0);
     ( 391540.6, 3827957.2,     879.8,    1591.3,       0.0);         ( 391518.9,
3827948.1,     882.6,    1591.3,       0.0);
     ( 391497.1, 3827939.1,     884.1,    1591.3,       0.0);         ( 391475.3,
3827930.1,     883.0,    1591.3,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(391453.5, 3827921.0, 882.2, 1591.3, 0.0); (391431.7, 3827912.0, 884.4, 1591.3, 0.0);
(391410.0, 3827902.9, 888.6, 1591.3, 0.0); (391388.2, 3827893.9, 898.7, 1591.3, 0.0);
(391366.4, 3827884.9, 899.6, 1591.3, 0.0); (391344.6, 3827875.8, 900.3, 1591.3, 0.0);
(391322.8, 3827866.8, 904.6, 1591.3, 0.0); (391301.1, 3827857.8, 911.1, 1591.3, 0.0);
(391279.3, 3827848.7, 912.9, 1591.3, 0.0); (391257.5, 3827839.7, 906.6, 1591.3, 0.0);
(391235.7, 3827830.6, 897.1, 1591.3, 0.0); (391214.0, 3827821.6, 883.4, 1591.3, 0.0);
(391192.2, 3827812.6, 880.7, 1591.3, 0.0); (391170.4, 3827803.5, 881.2, 1591.3, 0.0);
(391039.7, 3827749.3, 849.7, 1591.3, 0.0); (391017.9, 3827740.3, 850.5, 1591.3, 0.0);
(390996.1, 3827731.2, 851.6, 1591.3, 0.0); (390974.4, 3827722.2, 852.1, 1591.3, 0.0);
(390952.6, 3827713.2, 852.2, 1591.3, 0.0); (390930.8, 3827704.1, 852.7, 1591.3, 0.0);
(390909.0, 3827695.1, 853.5, 1591.3, 0.0); (390887.3, 3827686.1, 854.3, 1591.3, 0.0);
(390865.5, 3827677.0, 855.0, 1591.3, 0.0); (390843.7, 3827668.0, 857.3, 1591.3, 0.0);
(390821.9, 3827659.0, 862.0, 1591.3, 0.0); (390800.1, 3827649.9, 866.4, 1591.3, 0.0);
(390778.4, 3827640.9, 869.9, 1591.3, 0.0); (390756.6, 3827631.8, 874.0, 1591.3, 0.0);
(390734.8, 3827622.8, 878.4, 1591.3, 0.0); (390713.0, 3827613.8, 882.7, 1591.3, 0.0);
(390691.2, 3827604.7, 887.4, 1591.3, 0.0); (390669.5, 3827595.7, 890.8, 1591.3, 0.0);
(390647.7, 3827586.7, 896.2, 1591.3, 0.0); (390625.9, 3827577.6, 897.2, 1591.3, 0.0);
(390604.1, 3827568.6, 895.6, 1591.3, 0.0); (390582.3, 3827559.6, 893.4, 1591.3, 0.0);
(390560.6, 3827550.5, 887.0, 1591.3, 0.0); (390538.8, 3827541.5, 883.3, 1591.3, 0.0);

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    ( 390517.0, 3827532.4,     886.4,    1591.3,       0.0);         ( 390495.2,
3827523.4,     894.7,    1591.3,       0.0);
    ( 390473.4, 3827514.4,     899.0,    1591.3,       0.0);         ( 390451.7,
3827505.3,     903.4,    1591.3,       0.0);
    ( 390429.9, 3827496.3,     906.1,    1591.3,       0.0);         ( 390408.1,
3827487.3,     909.3,    1591.3,       0.0);
    ( 390386.3, 3827478.2,     912.7,    1591.3,       0.0);         ( 390364.5,
3827469.2,     915.7,    1591.3,       0.0);
    ( 390342.8, 3827460.1,     915.2,    1591.3,       0.0);         ( 392433.6,
3828327.7,     835.7,    1588.5,       0.0);
    ( 392456.2, 3828334.6,     835.7,    1588.5,       0.0);         ( 392478.9,
3828341.5,     835.6,    1588.5,       0.0);
    ( 392501.5, 3828348.4,     835.4,    1588.5,       0.0);         ( 395986.4,
3817029.4,     952.8,    1356.4,       0.0);
    ( 395999.6, 3817008.6,     947.0,    1356.4,       0.0);         ( 395995.1,
3817052.8,     959.8,    1356.4,       0.0);
    ( 396020.7, 3817022.0,     947.0,    1356.4,       0.0);         ( 396010.0,
3817071.3,     961.1,    1356.4,       0.0);
    ( 395967.4, 3817087.0,     961.6,    1356.4,       0.0);         ( 396028.6,
3817056.2,     952.5,    1356.4,       0.0);
    ( 396041.8, 3817035.4,     947.3,    1356.4,       0.0);         ( 396033.1,
3817083.0,     963.5,    1356.4,       0.0);
    ( 395978.7, 3817110.4,     964.1,    1356.4,       0.0);         ( 396062.9,
3817048.9,     947.9,    1356.4,       0.0);
    ( 396073.3, 3817111.5,     965.0,    1356.4,       0.0);         ( 396054.6,
3817126.6,     967.8,    1356.4,       0.0);
    ( 396036.0, 3817141.6,     970.4,    1356.4,       0.0);         ( 395993.4,
3817157.4,     971.3,    1356.4,       0.0);
    ( 395969.4, 3817158.0,     971.0,    1356.4,       0.0);         ( 395945.4,
3817158.7,     970.4,    1356.4,       0.0);
    ( 396091.9, 3817096.4,     959.2,    1356.4,       0.0);         ( 396105.1,
3817075.7,     951.4,    1356.4,       0.0);
    ( 396117.5, 3817136.7,     968.1,    1356.4,       0.0);         ( 396084.4,
3817163.4,     975.0,    1356.4,       0.0);
    ( 396051.2, 3817190.2,     975.2,    1356.4,       0.0);         ( 396013.3,
3817204.2,     977.9,    1356.4,       0.0);
    ( 395970.8, 3817205.4,     976.8,    1356.4,       0.0);         ( 396147.3,
3817102.5,     955.5,    1356.4,       0.0);
    ( 396158.5, 3817164.4,     976.0,    1356.4,       0.0);         ( 396140.8,
3817178.8,     979.8,    1356.4,       0.0);
    ( 396123.0, 3817193.1,     977.4,    1356.4,       0.0);         ( 396105.2,
3817207.5,     976.2,    1356.4,       0.0);
    ( 396087.5, 3817221.8,     984.4,    1356.4,       0.0);         ( 396069.7,
3817236.1,     990.8,    1356.4,       0.0);
    ( 396029.1, 3817251.1,     987.5,    1356.4,       0.0);         ( 396006.3,
3817251.8,     984.8,    1356.4,       0.0);
    ( 395983.5, 3817252.4,     983.2,    1356.4,       0.0);         ( 395960.7,
3817253.1,     979.7,    1356.4,       0.0);
    ( 395937.9, 3817253.7,     980.8,    1356.4,       0.0);         ( 395915.1,
3817254.4,     982.1,    1356.4,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(396199.8, 3817192.0, 975.7, 1356.4, 0.0); (396181.2,
3817207.0, 979.0, 1356.4, 0.0);
(396162.5, 3817222.1, 983.2, 1356.4, 0.0); (396143.9,
3817237.2, 990.8, 1356.4, 0.0);
(396125.2, 3817252.2, 1002.1, 1296.4, 0.0); (396106.6,
3817267.3, 1011.2, 1188.9, 0.0);
(396088.0, 3817282.3, 1013.0, 1188.9, 0.0); (396045.3,
3817298.1, 1002.1, 1188.9, 0.0);
(396021.4, 3817298.8, 995.4, 1240.5, 0.0); (395997.4,
3817299.4, 991.2, 1295.6, 0.0);
(395973.5, 3817300.1, 988.3, 1295.6, 0.0); (395949.5,
3817300.8, 986.2, 1356.4, 0.0);
(395925.5, 3817301.5, 985.2, 1356.4, 0.0); (395901.6,
3817302.2, 987.8, 1188.9, 0.0);
(396218.5, 3817176.9, 970.8, 1356.4, 0.0); (396231.7,
3817156.2, 962.4, 1356.4, 0.0);
(396243.3, 3817217.8, 981.0, 1356.4, 0.0); (396208.5,
3817245.9, 986.9, 1356.4, 0.0);
(396173.6, 3817274.0, 1013.1, 1188.9, 0.0); (396138.8,
3817302.1, 1026.4, 1186.5, 0.0);
(396104.0, 3817330.2, 1031.3, 1186.5, 0.0); (396064.3,
3817344.9, 1014.2, 1188.9, 0.0);
(396019.5, 3817346.2, 1000.6, 1188.9, 0.0); (395974.8,
3817347.5, 993.8, 1188.9, 0.0);
(395930.1, 3817348.8, 988.8, 1240.5, 0.0); (396273.9,
3817183.0, 974.0, 1356.4, 0.0);
(396326.4, 3817272.5, 984.7, 1356.4, 0.0); (396307.8,
3817287.5, 997.3, 1306.8, 0.0);
(396289.1, 3817302.6, 1007.9, 1306.8, 0.0); (396270.5,
3817317.6, 1013.7, 1295.6, 0.0);
(396251.8, 3817332.7, 1021.2, 1186.5, 0.0); (396233.2,
3817347.8, 1029.8, 1186.5, 0.0);
(396214.5, 3817362.8, 1036.1, 1186.5, 0.0); (396195.9,
3817377.9, 1046.5, 1186.5, 0.0);
(396177.2, 3817392.9, 1049.0, 1186.5, 0.0); (396158.6,
3817408.0, 1041.2, 1186.5, 0.0);

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     ( 396139.9, 3817423.0,    1033.1,    1186.5,       0.0);         ( 396097.3,
3817438.8,    1023.2,    1188.9,       0.0);
     ( 396073.4, 3817439.4,    1017.8,    1188.9,       0.0);         ( 396049.4,
3817440.1,    1012.8,    1188.9,       0.0);
     ( 396025.5, 3817440.8,    1007.9,    1188.9,       0.0);         ( 396001.5,
3817441.5,    1003.2,    1188.9,       0.0);
     ( 395977.5, 3817442.2,    1000.2,    1188.9,       0.0);         ( 395953.6,
3817442.9,    1001.0,    1188.9,       0.0);
     ( 395929.6, 3817443.6,    1001.0,    1188.9,       0.0);         ( 395905.7,
3817444.3,    1003.5,    1188.9,       0.0);
     ( 395881.7, 3817444.9,    1006.0,    1188.9,       0.0);         ( 395857.8,
3817445.6,    1010.0,    1188.9,       0.0);
     ( 396345.1, 3817257.4,     982.0,    1356.4,       0.0);         ( 396358.3,
3817236.7,     978.8,    1356.4,       0.0);
     ( 396411.2, 3817325.8,     983.9,    1356.4,       0.0);         ( 396393.0,
3817340.5,    1002.8,    1306.8,       0.0);
     ( 396374.8, 3817355.2,    1018.9,    1296.4,       0.0);         ( 396356.5,
3817370.0,    1029.6,    1240.5,       0.0);
     ( 396338.3, 3817384.7,    1040.5,    1186.5,       0.0);         ( 396320.0,
3817399.4,    1050.8,    1186.5,       0.0);
     ( 396301.8, 3817414.1,    1059.2,    1186.5,       0.0);         ( 396283.6,
3817428.8,    1066.9,    1186.5,       0.0);
     ( 396265.3, 3817443.6,    1073.1,    1186.5,       0.0);         ( 396247.1,
3817458.3,    1071.1,    1186.5,       0.0);
     ( 396228.9, 3817473.0,    1066.2,    1186.5,       0.0);         ( 396210.6,
3817487.7,    1062.2,    1186.5,       0.0);
     ( 396192.4, 3817502.4,    1059.4,    1186.5,       0.0);         ( 396174.2,
3817517.2,    1059.9,    1186.5,       0.0);
     ( 396132.5, 3817532.6,    1052.5,    1186.5,       0.0);         ( 396109.1,
3817533.2,    1045.3,    1186.5,       0.0);
     ( 396085.7, 3817533.9,    1036.1,    1188.9,       0.0);         ( 396062.2,
3817534.6,    1026.9,    1188.9,       0.0);
     ( 396038.8, 3817535.2,    1018.8,    1188.9,       0.0);         ( 396015.4,
3817535.9,    1013.1,    1188.9,       0.0);
     ( 395992.0, 3817536.6,    1009.9,    1188.9,       0.0);         ( 395968.5,
3817537.2,    1010.4,    1188.9,       0.0);
     ( 395945.1, 3817537.9,    1011.8,    1188.9,       0.0);         ( 395921.7,
3817538.6,    1013.4,    1188.9,       0.0);
     ( 395898.3, 3817539.3,    1015.9,    1188.9,       0.0);         ( 395874.8,
3817539.9,    1019.2,    1188.9,       0.0);
     ( 395851.4, 3817540.6,    1023.3,    1188.9,       0.0);         ( 395828.0,
3817541.3,    1028.3,    1188.9,       0.0);
     ( 396429.5, 3817311.1,     983.0,    1356.4,       0.0);         ( 396442.6,
3817290.3,     985.0,    1356.4,       0.0);
     ( 396494.8, 3817380.1,     981.2,    1356.4,       0.0);         ( 396475.8,
3817395.4,     992.2,    1306.8,       0.0);
     ( 396456.8, 3817410.8,    1006.5,    1306.8,       0.0);         ( 396437.8,
3817426.1,    1016.1,    1306.8,       0.0);
     ( 396418.8, 3817441.5,    1023.4,    1240.5,       0.0);         ( 396399.8,
3817456.8,    1030.1,    1240.5,       0.0);
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(396380.7, 3817472.2, 1038.8, 1186.5, 0.0); (396361.7, 3817487.5, 1050.1, 1186.5, 0.0);
(396342.7, 3817502.9, 1062.2, 1186.5, 0.0); (396323.7, 3817518.2, 1068.9, 1186.5, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(396304.7, 3817533.6, 1065.8, 1186.5, 0.0); (396285.7, 3817548.9, 1062.4, 1186.5, 0.0);
(396266.6, 3817564.3, 1060.2, 1186.5, 0.0); (396247.6, 3817579.6, 1051.9, 1186.5, 0.0);
(396228.6, 3817595.0, 1046.2, 1186.5, 0.0); (396209.6, 3817610.3, 1042.1, 1186.5, 0.0);
(396166.2, 3817626.4, 1038.0, 1186.5, 0.0); (396141.7, 3817627.1, 1038.5, 1188.9, 0.0);
(396117.3, 3817627.8, 1037.6, 1188.9, 0.0); (396092.9, 3817628.5, 1035.5, 1188.9, 0.0);
(396068.5, 3817629.2, 1031.1, 1188.9, 0.0); (396044.0, 3817629.9, 1026.0, 1188.9, 0.0);
(396019.6, 3817630.6, 1021.1, 1188.9, 0.0); (395995.2, 3817631.3, 1018.9, 1188.9, 0.0);
(395970.8, 3817632.0, 1019.2, 1188.9, 0.0); (395946.3, 3817632.7, 1020.1, 1188.9, 0.0);
(395921.9, 3817633.4, 1021.8, 1188.9, 0.0); (395897.5, 3817634.1, 1024.1, 1188.9, 0.0);
(395873.0, 3817634.8, 1026.7, 1188.9, 0.0); (395848.6, 3817635.5, 1030.5, 1188.9, 0.0);
(395824.2, 3817636.2, 1035.1, 1188.9, 0.0); (395799.8, 3817636.9, 1039.9, 1188.9, 0.0);
(396513.8, 3817364.7,   981.7, 1356.4, 0.0); (396527.0, 3817344.0,   975.4, 1356.4, 0.0);
(396579.6, 3817433.4,   978.6, 1356.4, 0.0); (396560.9, 3817448.5,   979.3, 1356.4, 0.0);
(396542.3, 3817463.5,   988.0, 1306.8, 0.0); (396523.6, 3817478.6, 1007.8, 1306.8, 0.0);
(396505.0, 3817493.7, 1013.2, 1306.8, 0.0); (396486.3, 3817508.7, 1020.9, 1296.4, 0.0);
(396467.7, 3817523.8, 1025.6, 1273.7, 0.0); (396449.0, 3817538.8, 1029.9, 1240.5, 0.0);
(396430.4, 3817553.9, 1031.3, 1240.5, 0.0); (396411.7, 3817568.9, 1032.3, 1240.5, 0.0);

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    ( 396393.1, 3817584.0,    1031.1,    1240.5,       0.0);         ( 396374.4,
3817599.0,    1025.7,    1240.5,       0.0);
    ( 396355.8, 3817614.1,    1023.1,    1240.5,       0.0);         ( 396337.1,
3817629.2,    1021.4,    1240.5,       0.0);
    ( 396318.5, 3817644.2,    1020.2,    1240.5,       0.0);         ( 396299.8,
3817659.3,    1017.9,    1240.5,       0.0);
    ( 396281.2, 3817674.3,    1016.4,    1240.5,       0.0);         ( 396262.5,
3817689.4,    1016.0,    1240.5,       0.0);
    ( 396243.9, 3817704.4,    1014.4,    1240.5,       0.0);         ( 396201.3,
3817720.2,    1014.4,    1240.5,       0.0);
    ( 396177.3, 3817720.9,    1015.8,    1240.5,       0.0);         ( 396153.4,
3817721.5,    1017.4,    1188.9,       0.0);
    ( 396129.4, 3817722.2,    1018.7,    1188.9,       0.0);         ( 396105.5,
3817722.9,    1019.7,    1188.9,       0.0);
    ( 396081.5, 3817723.6,    1021.6,    1188.9,       0.0);         ( 396057.5,
3817724.3,    1024.7,    1188.9,       0.0);
    ( 396033.6, 3817725.0,    1028.6,    1188.9,       0.0);         ( 396009.6,
3817725.7,    1033.6,    1188.9,       0.0);
    ( 395985.7, 3817726.3,    1036.4,    1188.9,       0.0);         ( 395961.7,
3817727.0,    1032.5,    1188.9,       0.0);
    ( 395937.8, 3817727.7,    1032.9,    1188.9,       0.0);         ( 395913.8,
3817728.4,    1034.8,    1188.9,       0.0);
    ( 395889.8, 3817729.1,    1036.3,    1188.9,       0.0);         ( 395865.9,
3817729.8,    1035.4,    1188.9,       0.0);
    ( 395841.9, 3817730.5,    1037.7,    1188.9,       0.0);         ( 395818.0,
3817731.2,    1041.4,    1188.9,       0.0);
    ( 395794.0, 3817731.8,    1046.4,    1188.9,       0.0);         ( 395770.1,
3817732.5,    1054.7,    1188.9,       0.0);
    ( 396598.2, 3817418.4,     971.7,    1356.4,       0.0);         ( 396611.4,
3817397.6,     965.0,    1607.3,       0.0);
    ( 396664.2, 3817486.9,     964.9,    1607.3,       0.0);         ( 396645.9,
3817501.7,     971.7,    1356.4,       0.0);
    ( 396627.5, 3817516.6,     976.4,    1306.8,       0.0);         ( 396609.1,
3817531.4,     978.5,    1306.8,       0.0);
    ( 396590.7, 3817546.2,     983.3,    1306.8,       0.0);         ( 396572.3,
3817561.1,     987.0,    1306.8,       0.0);
    ( 396554.0, 3817575.9,     991.5,    1306.8,       0.0);         ( 396535.6,
3817590.7,     994.9,    1306.8,       0.0);
    ( 396517.2, 3817605.6,     995.5,    1306.8,       0.0);         ( 396498.8,
3817620.4,     995.1,    1306.8,       0.0);
    ( 396480.5, 3817635.2,     994.2,    1306.8,       0.0);         ( 396462.1,
3817650.1,     995.1,    1306.8,       0.0);
    ( 396443.7, 3817664.9,     995.5,    1306.8,       0.0);         ( 396425.3,
3817679.8,     996.9,    1306.8,       0.0);
    ( 396406.9, 3817694.6,     997.9,    1306.8,       0.0);         ( 396388.6,
3817709.4,     998.3,    1306.8,       0.0);
    ( 396370.2, 3817724.3,     998.2,    1306.8,       0.0);         ( 396351.8,
3817739.1,     998.7,    1277.1,       0.0);
    ( 396333.4, 3817753.9,     999.4,    1277.1,       0.0);         ( 396315.0,
3817768.8,     999.5,    1276.7,       0.0);
```

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

(396141.9, 3817816.7, 1013.3, 1240.5, 0.0); (396118.2,
3817817.3, 1016.4, 1188.9, 0.0);
(396094.6, 3817818.0, 1019.7, 1188.9, 0.0); (396071.0,
3817818.7, 1023.6, 1188.9, 0.0);
(396047.4, 3817819.4, 1029.2, 1188.9, 0.0); (396023.8,
3817820.1, 1036.2, 1188.9, 0.0);
(396000.2, 3817820.7, 1044.5, 1188.9, 0.0); (395976.6,
3817821.4, 1052.4, 1188.9, 0.0);
(395953.0, 3817822.1, 1057.0, 1188.9, 0.0); (395929.4,
3817822.8, 1058.3, 1188.9, 0.0);
(395905.8, 3817823.4, 1058.5, 1188.9, 0.0); (395882.1,
3817824.1, 1054.7, 1188.9, 0.0);
(395858.5, 3817824.8, 1048.7, 1188.9, 0.0); (395834.9,
3817825.5, 1056.1, 1188.9, 0.0);
(395811.3, 3817826.1, 1057.0, 1188.9, 0.0); (395787.7,
3817826.8, 1053.3, 1188.9, 0.0);
(395764.1, 3817827.5, 1057.3, 1188.9, 0.0); (395740.5,
3817828.2, 1062.1, 1188.9, 0.0);
(396682.6, 3817472.0, 963.1, 1607.3, 0.0); (396695.8,
3817451.3, 961.1, 1607.3, 0.0);
(396874.7, 3817621.4, 968.9, 1607.3, 0.0); (396855.8,
3817636.6, 969.4, 1607.3, 0.0);
(396837.0, 3817651.9, 969.1, 1607.3, 0.0); (396818.1,
3817667.1, 969.1, 1607.3, 0.0);
(396799.3, 3817682.3, 968.9, 1607.0, 0.0); (396780.4,
3817697.5, 973.0, 1306.8, 0.0);
(396761.5, 3817712.8, 973.8, 1306.8, 0.0); (396742.7,
3817728.0, 972.5, 1306.8, 0.0);
(396723.8, 3817743.2, 970.8, 1306.8, 0.0); (396705.0,
3817758.5, 972.3, 1306.8, 0.0);
(396686.1, 3817773.7, 974.3, 1306.8, 0.0); (396667.2,
3817788.9, 975.7, 1306.8, 0.0);

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    ( 396648.4, 3817804.1,     977.0,    1306.8,       0.0);         ( 396629.5,
3817819.4,     978.5,    1306.8,       0.0);
    ( 396610.6, 3817834.6,     980.2,    1306.8,       0.0);         ( 396591.8,
3817849.8,     981.9,    1306.8,       0.0);
    ( 396572.9, 3817865.1,     983.8,    1306.8,       0.0);         ( 396554.0,
3817880.3,     985.6,    1306.8,       0.0);
    ( 396535.2, 3817895.5,     988.0,    1306.8,       0.0);         ( 396516.3,
3817910.8,     990.0,    1306.8,       0.0);
    ( 396497.5, 3817926.0,     992.2,    1306.8,       0.0);         ( 396478.6,
3817941.2,     993.6,    1306.8,       0.0);
    ( 396459.7, 3817956.4,     995.6,    1277.1,       0.0);         ( 396440.9,
3817971.7,     997.1,    1277.1,       0.0);
    ( 396422.0, 3817986.9,     999.1,    1277.1,       0.0);         ( 396403.1,
3818002.1,    1001.0,    1277.1,       0.0);
    ( 396384.3, 3818017.3,    1002.8,    1277.1,       0.0);         ( 396365.4,
3818032.6,    1004.5,    1277.1,       0.0);
    ( 396322.3, 3818048.5,    1006.3,    1273.7,       0.0);         ( 396298.1,
3818049.2,    1006.3,    1273.7,       0.0);
    ( 396273.8, 3818049.9,    1005.9,    1439.0,       0.0);         ( 396249.6,
3818050.6,    1004.4,    1440.1,       0.0);
    ( 396225.4, 3818051.3,    1005.2,    1440.1,       0.0);         ( 396201.1,
3818052.0,    1007.7,    1440.1,       0.0);
    ( 396176.9, 3818052.7,    1010.7,    1439.0,       0.0);         ( 396152.7,
3818053.3,    1013.4,    1439.0,       0.0);
    ( 396128.5, 3818054.0,    1016.0,    1439.0,       0.0);         ( 396104.2,
3818054.7,    1018.9,    1237.2,       0.0);
    ( 396080.0, 3818055.4,    1021.8,    1237.1,       0.0);         ( 396055.8,
3818056.1,    1024.8,    1235.2,       0.0);
    ( 396031.5, 3818056.8,    1027.9,    1226.1,       0.0);         ( 396007.3,
3818057.5,    1031.1,    1223.6,       0.0);
    ( 395983.0, 3818058.2,    1034.5,    1188.9,       0.0);         ( 395958.8,
3818058.9,    1038.7,    1188.9,       0.0);
    ( 395934.6, 3818059.6,    1043.5,    1188.9,       0.0);         ( 395910.4,
3818060.3,    1048.1,    1188.9,       0.0);
    ( 395886.1, 3818061.0,    1054.4,    1188.9,       0.0);         ( 395861.9,
3818061.7,    1059.4,    1188.9,       0.0);
    ( 395837.7, 3818062.4,    1064.6,    1188.9,       0.0);         ( 395813.4,
3818063.1,    1072.7,    1188.9,       0.0);
    ( 395789.2, 3818063.8,    1080.9,    1188.9,       0.0);         ( 395765.0,
3818064.5,    1089.8,    1186.5,       0.0);
    ( 395740.7, 3818065.1,    1099.8,    1186.5,       0.0);         ( 395716.5,
3818065.8,    1111.2,    1186.5,       0.0);
    ( 395692.3, 3818066.5,    1123.2,    1186.5,       0.0);         ( 395668.0,
3818067.2,    1135.3,    1186.5,       0.0);
    ( 396893.6, 3817606.2,     968.8,    1607.3,       0.0);         ( 396906.8,
3817585.4,     968.1,    1607.3,       0.0);
    ( 397085.9, 3817755.4,     975.7,    1607.3,       0.0);         ( 397067.2,
3817770.4,     976.0,    1607.3,       0.0);
    ( 397048.6, 3817785.5,     975.5,    1607.3,       0.0);         ( 397030.0,
3817800.5,     974.7,    1607.3,       0.0);
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(397011.3, 3817815.6, 974.3, 1607.3, 0.0); (396992.6, 3817830.7, 974.1, 1607.3, 0.0);
(396974.0, 3817845.7, 974.2, 1605.9, 0.0); (396955.3, 3817860.8, 975.1, 1306.8, 0.0);
(396936.7, 3817875.8, 977.3, 1306.8, 0.0); (396918.1, 3817890.9, 979.8, 1306.8, 0.0);
(396899.4, 3817905.9, 980.8, 1306.8, 0.0); (396880.8, 3817921.0, 982.0, 1306.8, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(396862.1, 3817936.0, 985.2, 1306.8, 0.0); (396843.5, 3817951.1, 990.3, 1306.8, 0.0);
(396824.8, 3817966.1, 995.8, 1306.8, 0.0); (396806.2, 3817981.2, 1002.2, 1306.8, 0.0);
(396787.5, 3817996.3, 1007.9, 1306.8, 0.0); (396768.9, 3818011.3, 1013.7, 1277.1, 0.0);
(396750.2, 3818026.4, 1018.7, 1277.1, 0.0); (396731.6, 3818041.4, 1022.8, 1277.1, 0.0);
(396712.9, 3818056.5, 1027.1, 1277.1, 0.0); (396694.3, 3818071.5, 1030.7, 1277.1, 0.0);
(396675.6, 3818086.6, 1033.9, 1277.1, 0.0); (396657.0, 3818101.6, 1036.6, 1277.1, 0.0);
(396638.3, 3818116.7, 1039.4, 1273.7, 0.0); (396619.7, 3818131.8, 1043.2, 1273.7, 0.0);
(396601.0, 3818146.8, 1049.1, 1272.7, 0.0); (396582.4, 3818161.9, 1053.3, 1240.5, 0.0);
(396563.7, 3818176.9, 1053.0, 1240.5, 0.0); (396545.1, 3818192.0, 1050.6, 1240.5, 0.0);
(396526.4, 3818207.0, 1048.8, 1240.5, 0.0); (396507.8, 3818222.1, 1052.3, 1186.5, 0.0);
(396489.1, 3818237.1, 1056.4, 1186.5, 0.0); (396470.5, 3818252.2, 1058.9, 1186.5, 0.0);
(396451.8, 3818267.2, 1059.6, 1186.5, 0.0); (396409.2, 3818283.0, 1055.6, 1223.6, 0.0);
(396385.3, 3818283.7, 1053.1, 1226.1, 0.0); (396361.3, 3818284.4, 1051.4, 1226.1, 0.0);
(396337.4, 3818285.0, 1049.5, 1235.2, 0.0); (396313.4, 3818285.7, 1047.6, 1237.1, 0.0);
(396289.4, 3818286.4, 1046.0, 1237.2, 0.0); (396265.5, 3818287.1, 1044.4, 1237.2, 0.0);

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    ( 396241.5, 3818287.8,    1041.8,    1237.2,       0.0);         ( 396217.6,
3818288.5,    1038.7,    1237.2,       0.0);
    ( 396193.6, 3818289.2,    1035.8,    1237.2,       0.0);         ( 396169.7,
3818289.8,    1032.3,    1237.2,       0.0);
    ( 396145.7, 3818290.5,    1032.1,    1439.0,       0.0);         ( 396121.7,
3818291.2,    1026.9,    1440.1,       0.0);
    ( 396097.8, 3818291.9,    1025.4,    1440.1,       0.0);         ( 396073.8,
3818292.6,    1024.1,    1440.1,       0.0);
    ( 396049.9, 3818293.3,    1023.4,    1440.1,       0.0);         ( 396025.9,
3818294.0,    1024.4,    1440.1,       0.0);
    ( 396002.0, 3818294.7,    1027.0,    1440.1,       0.0);         ( 395978.0,
3818295.3,    1030.1,    1440.1,       0.0);
    ( 395954.0, 3818296.0,    1033.0,    1440.1,       0.0);         ( 395930.1,
3818296.7,    1035.8,    1440.1,       0.0);
    ( 395906.1, 3818297.4,    1038.6,    1440.1,       0.0);         ( 395882.2,
3818298.1,    1041.2,    1440.1,       0.0);
    ( 395858.2, 3818298.8,    1043.6,    1440.1,       0.0);         ( 395834.2,
3818299.5,    1046.6,    1440.1,       0.0);
    ( 395810.3, 3818300.1,    1049.9,    1440.1,       0.0);         ( 395786.3,
3818300.8,    1053.7,    1440.1,       0.0);
    ( 395762.4, 3818301.5,    1058.0,    1439.0,       0.0);         ( 395738.4,
3818302.2,    1063.2,    1188.9,       0.0);
    ( 395714.5, 3818302.9,    1073.0,    1188.9,       0.0);         ( 395690.5,
3818303.6,    1084.7,    1188.9,       0.0);
    ( 395666.5, 3818304.3,    1096.5,    1186.5,       0.0);         ( 395642.6,
3818304.9,    1101.5,    1186.5,       0.0);
    ( 395618.6, 3818305.6,    1101.6,    1186.5,       0.0);         ( 395594.7,
3818306.3,    1101.8,    1188.9,       0.0);
    ( 397104.5, 3817740.3,     975.2,    1607.3,       0.0);         ( 397117.7,
3817719.6,     974.6,    1607.3,       0.0);
    ( 397296.6, 3817889.8,     978.2,    1607.3,       0.0);         ( 397277.6,
3817905.0,     978.7,    1607.3,       0.0);
    ( 397258.7, 3817920.3,     979.3,    1607.3,       0.0);         ( 397239.7,
3817935.6,     979.8,    1607.3,       0.0);
    ( 397220.8, 3817950.9,     980.4,    1607.3,       0.0);         ( 397201.8,
3817966.2,     980.8,    1607.3,       0.0);
    ( 397182.9, 3817981.5,     981.3,    1604.4,       0.0);         ( 397164.0,
3817996.8,     981.7,    1306.8,       0.0);
    ( 397145.0, 3818012.1,     981.4,    1306.8,       0.0);         ( 397126.1,
3818027.4,     980.6,    1306.8,       0.0);
    ( 397107.1, 3818042.7,     980.4,    1306.8,       0.0);         ( 397088.2,
3818058.0,     980.8,    1306.8,       0.0);
    ( 397069.2, 3818073.3,     983.7,    1306.8,       0.0);         ( 397050.3,
3818088.6,     986.9,    1306.8,       0.0);
    ( 397031.3, 3818103.9,     987.5,    1306.8,       0.0);         ( 397012.4,
3818119.2,     988.9,    1306.8,       0.0);
    ( 396993.5, 3818134.5,     990.1,    1306.8,       0.0);         ( 396974.5,
3818149.8,     992.1,    1306.8,       0.0);
    ( 396955.6, 3818165.0,     994.7,    1306.8,       0.0);         ( 396936.6,
3818180.3,     997.8,    1306.8,       0.0);
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(396917.7, 3818195.6, 1001.1, 1306.8, 0.0); (396898.7, 3818210.9, 1004.5, 1306.8, 0.0);
(396879.8, 3818226.2, 1008.4, 1277.1, 0.0); (396860.8, 3818241.5, 1012.2, 1277.1, 0.0);
(396841.9, 3818256.8, 1016.5, 1277.1, 0.0); (396822.9, 3818272.1, 1020.6, 1277.1, 0.0);
(396804.0, 3818287.4, 1024.4, 1277.1, 0.0); (396785.1, 3818302.7, 1027.4, 1277.1, 0.0);
(396766.1, 3818318.0, 1030.6, 1277.1, 0.0); (396747.2, 3818333.3, 1033.5, 1277.1, 0.0);

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

(396728.2, 3818348.6, 1035.4, 1277.1, 0.0); (396709.3, 3818363.9, 1037.2, 1277.1, 0.0);
(396690.3, 3818379.2, 1038.2, 1277.1, 0.0); (396671.4, 3818394.5, 1041.1, 1273.7, 0.0);
(396652.4, 3818409.8, 1042.2, 1273.7, 0.0); (396633.5, 3818425.0, 1043.0, 1273.7, 0.0);
(396614.5, 3818440.3, 1046.1, 1273.7, 0.0); (396595.6, 3818455.6, 1049.8, 1240.5, 0.0);
(396576.7, 3818470.9, 1053.5, 1237.2, 0.0); (396557.7, 3818486.2, 1058.3, 1237.2, 0.0);
(396538.8, 3818501.5, 1064.9, 1237.2, 0.0); (396495.5, 3818517.5, 1083.8, 1136.8, 0.0);
(396471.1, 3818518.2, 1094.9, 1136.8, 0.0); (396446.8, 3818518.9, 1106.1, 1136.8, 0.0);
(396422.5, 3818519.6, 1116.9, 1136.8, 0.0); (396398.1, 3818520.3, 1125.4, 1136.8, 0.0);
(396373.8, 3818521.0, 1128.6, 1136.8, 0.0); (396349.5, 3818521.7, 1126.9, 1136.8, 0.0);
(396325.1, 3818522.4, 1124.4, 1136.8, 0.0); (396300.8, 3818523.1, 1120.4, 1136.8, 0.0);
(396276.5, 3818523.8, 1116.7, 1136.8, 0.0); (396252.1, 3818524.5, 1113.0, 1136.8, 0.0);
(396227.8, 3818525.2, 1106.9, 1136.8, 0.0); (396203.4, 3818525.9, 1098.2, 1186.5, 0.0);
(396179.1, 3818526.6, 1089.9, 1186.5, 0.0); (396154.8, 3818527.3, 1081.9, 1186.5, 0.0);
(396130.4, 3818528.0, 1077.5, 1224.6, 0.0); (396106.1, 3818528.7, 1078.0, 1224.6, 0.0);

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    ( 396081.8, 3818529.4,    1079.7,    1223.6,       0.0);         ( 396057.4,
3818530.1,    1082.0,    1186.5,       0.0);
    ( 396033.1, 3818530.8,    1081.5,    1186.5,       0.0);         ( 396008.7,
3818531.4,    1075.5,    1224.6,       0.0);
    ( 395984.4, 3818532.1,    1066.0,    1237.2,       0.0);         ( 395960.1,
3818532.8,    1057.0,    1440.1,       0.0);
    ( 395935.7, 3818533.5,    1050.6,    1440.1,       0.0);         ( 395911.4,
3818534.2,    1046.2,    1440.1,       0.0);
    ( 395887.0, 3818534.9,    1043.8,    1440.1,       0.0);         ( 395862.7,
3818535.6,    1041.4,    1440.1,       0.0);
    ( 395838.4, 3818536.3,    1040.6,    1440.1,       0.0);         ( 395814.0,
3818537.0,    1042.3,    1440.1,       0.0);
    ( 395789.7, 3818537.7,    1044.7,    1440.1,       0.0);         ( 395765.4,
3818538.4,    1047.2,    1440.1,       0.0);
    ( 395741.0, 3818539.1,    1050.0,    1440.1,       0.0);         ( 395716.7,
3818539.8,    1052.2,    1440.1,       0.0);
    ( 395692.3, 3818540.5,    1054.6,    1440.1,       0.0);         ( 395668.0,
3818541.2,    1057.2,    1440.1,       0.0);
    ( 395643.7, 3818541.9,    1060.4,    1440.1,       0.0);         ( 395619.3,
3818542.6,    1062.6,    1440.1,       0.0);
    ( 395595.0, 3818543.3,    1065.1,    1440.1,       0.0);         ( 395570.7,
3818544.0,    1069.6,    1440.1,       0.0);
    ( 395546.3, 3818544.7,    1073.8,    1440.1,       0.0);         ( 395522.0,
3818545.4,    1076.7,    1440.1,       0.0);
    ( 397315.5, 3817874.5,     977.9,    1607.3,       0.0);         ( 397328.7,
3817853.7,     976.8,    1607.3,       0.0);
    ( 397507.7, 3818023.8,     978.4,    1607.3,       0.0);         ( 397488.9,
3818038.9,     979.0,    1607.3,       0.0);
    ( 397470.1, 3818054.1,     979.7,    1607.3,       0.0);         ( 397451.4,
3818069.2,     980.3,    1607.3,       0.0);
    ( 397432.6, 3818084.4,     981.2,    1607.3,       0.0);         ( 397413.8,
3818099.5,     981.5,    1607.3,       0.0);
    ( 397395.0, 3818114.7,     982.0,    1607.3,       0.0);         ( 397376.3,
3818129.9,     982.9,    1607.0,       0.0);
    ( 397357.5, 3818145.0,     983.6,    1306.8,       0.0);         ( 397338.7,
3818160.2,     984.1,    1306.8,       0.0);
    ( 397319.9, 3818175.3,     984.9,    1306.8,       0.0);         ( 397301.2,
3818190.5,     986.0,    1306.8,       0.0);
    ( 397282.4, 3818205.6,     986.7,    1306.8,       0.0);         ( 397263.6,
3818220.8,     987.3,    1306.8,       0.0);
    ( 397244.8, 3818236.0,     987.9,    1306.8,       0.0);         ( 397226.1,
3818251.1,     988.5,    1306.8,       0.0);
    ( 397207.3, 3818266.3,     988.5,    1306.8,       0.0);         ( 397188.5,
3818281.4,     987.9,    1306.8,       0.0);
    ( 397169.7, 3818296.6,     988.3,    1306.8,       0.0);         ( 397151.0,
3818311.8,     987.7,    1306.8,       0.0);
    ( 397132.2, 3818326.9,     987.3,    1306.8,       0.0);         ( 397113.4,
3818342.1,     987.7,    1306.8,       0.0);
    ( 397094.6, 3818357.2,     989.7,    1306.8,       0.0);         ( 397075.9,
3818372.4,     991.2,    1306.8,       0.0);
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(397057.1, 3818387.5, 991.6, 1306.8, 0.0); (397038.3, 3818402.7, 992.4, 1306.8, 0.0);
(397019.5, 3818417.9, 996.2, 1306.8, 0.0); (397000.8, 3818433.0, 997.5, 1277.1, 0.0);
(396982.0, 3818448.2, 998.3, 1277.1, 0.0); (396963.2, 3818463.3, 998.8, 1277.1, 0.0);
(396944.4, 3818478.5, 998.1, 1277.1, 0.0); (396925.6, 3818493.6, 997.7, 1277.1, 0.0);
(396906.9, 3818508.8, 998.2, 1365.7, 0.0); (396888.1, 3818524.0, 998.3, 1379.2, 0.0);
(396869.3, 3818539.1, 998.9, 1379.3, 0.0); (396850.5, 3818554.3, 999.9, 1379.6, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(396831.8, 3818569.4, 1000.6, 1380.0, 0.0); (396813.0, 3818584.6, 1001.9, 1380.0, 0.0);
(396794.2, 3818599.8, 1002.7, 1380.0, 0.0); (396775.5, 3818614.9, 1003.3, 1380.0, 0.0);
(396756.7, 3818630.1, 1004.3, 1439.0, 0.0); (396737.9, 3818645.2, 1005.1, 1440.1, 0.0);
(396719.1, 3818660.4, 1006.2, 1440.1, 0.0); (396700.3, 3818675.5, 1007.3, 1440.1, 0.0);
(396681.6, 3818690.7, 1008.1, 1440.1, 0.0); (396662.8, 3818705.8, 1008.3, 1440.1, 0.0);
(396644.0, 3818721.0, 1009.6, 1440.1, 0.0); (396625.2, 3818736.2, 1010.8, 1440.1, 0.0);
(396582.3, 3818752.0, 1011.1, 1440.1, 0.0); (396558.2, 3818752.7, 1011.7, 1440.1, 0.0);
(396534.1, 3818753.4, 1011.0, 1440.1, 0.0); (396510.0, 3818754.1, 1013.1, 1440.1, 0.0);
(396485.9, 3818754.8, 1015.3, 1440.1, 0.0); (396461.8, 3818755.5, 1018.1, 1440.1, 0.0);
(396437.6, 3818756.2, 1019.9, 1440.1, 0.0); (396413.5, 3818756.8, 1021.5, 1440.1, 0.0);
(396389.4, 3818757.5, 1022.8, 1440.1, 0.0); (396365.3, 3818758.2, 1022.4, 1440.1, 0.0);
(396341.1, 3818758.9, 1021.3, 1440.1, 0.0); (396317.0, 3818759.6, 1021.3, 1440.1, 0.0);
(396292.9, 3818760.3, 1022.3, 1440.1, 0.0); (396268.8, 3818761.0, 1023.1, 1440.1, 0.0);

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     ( 396244.7, 3818761.7,    1023.2,    1440.1,       0.0);         ( 396220.5,
3818762.4,    1022.9,    1440.1,       0.0);
     ( 396196.4, 3818763.1,    1023.5,    1440.1,       0.0);         ( 396172.3,
3818763.8,    1024.3,    1440.1,       0.0);
     ( 396148.2, 3818764.4,    1024.8,    1440.1,       0.0);         ( 396124.1,
3818765.1,    1025.4,    1440.1,       0.0);
     ( 396099.9, 3818765.8,    1025.7,    1440.1,       0.0);         ( 396075.8,
3818766.5,    1026.5,    1440.1,       0.0);
     ( 396051.7, 3818767.2,    1026.9,    1440.1,       0.0);         ( 396027.6,
3818767.9,    1027.9,    1440.1,       0.0);
     ( 396003.5, 3818768.6,    1028.8,    1440.1,       0.0);         ( 395979.3,
3818769.3,    1029.7,    1440.1,       0.0);
     ( 395955.2, 3818770.0,    1030.4,    1440.1,       0.0);         ( 395931.1,
3818770.7,    1031.2,    1440.1,       0.0);
     ( 395907.0, 3818771.3,    1031.9,    1440.1,       0.0);         ( 395882.9,
3818772.0,    1033.6,    1440.1,       0.0);
     ( 395858.7, 3818772.7,    1035.4,    1440.1,       0.0);         ( 395834.6,
3818773.4,    1036.6,    1440.1,       0.0);
     ( 395810.5, 3818774.1,    1037.8,    1440.1,       0.0);         ( 395786.4,
3818774.8,    1039.1,    1440.1,       0.0);
     ( 395762.2, 3818775.5,    1040.6,    1440.1,       0.0);         ( 395738.1,
3818776.2,    1042.7,    1440.1,       0.0);
     ( 395714.0, 3818776.9,    1044.8,    1440.1,       0.0);         ( 395689.9,
3818777.6,    1046.8,    1440.1,       0.0);
     ( 395665.8, 3818778.3,    1049.3,    1440.1,       0.0);         ( 395641.6,
3818778.9,    1051.3,    1440.1,       0.0);
     ( 395617.5, 3818779.6,    1053.5,    1440.1,       0.0);         ( 395593.4,
3818780.3,    1056.6,    1440.1,       0.0);
     ( 395569.3, 3818781.0,    1060.0,    1440.1,       0.0);         ( 395545.2,
3818781.7,    1063.9,    1440.1,       0.0);
     ( 395521.0, 3818782.4,    1066.6,    1440.1,       0.0);         ( 395496.9,
3818783.1,    1070.5,    1440.1,       0.0);
     ( 395472.8, 3818783.8,    1076.4,    1440.1,       0.0);         ( 395448.7,
3818784.5,    1081.0,    1440.1,       0.0);
     ( 397526.5, 3818008.6,     978.1,    1607.3,       0.0);         ( 397539.7,
3817987.8,     978.7,    1607.3,       0.0);
     ( 397929.6, 3818292.1,    1019.4,    1306.8,       0.0);         ( 397910.7,
3818307.3,    1015.2,    1306.8,       0.0);
     ( 397891.9, 3818322.5,    1011.5,    1306.8,       0.0);         ( 397873.0,
3818337.8,    1007.9,    1306.8,       0.0);
     ( 397854.2, 3818353.0,    1004.3,    1306.8,       0.0);         ( 397835.3,
3818368.2,    1001.2,    1306.8,       0.0);
     ( 397816.5, 3818383.4,     998.4,    1306.8,       0.0);         ( 397797.6,
3818398.6,     995.9,    1306.8,       0.0);
     ( 397778.8, 3818413.8,     993.8,    1306.8,       0.0);         ( 397759.9,
3818429.0,     991.4,    1306.8,       0.0);
     ( 397741.1, 3818444.3,     989.6,    1306.8,       0.0);         ( 397722.2,
3818459.5,     988.0,    1306.8,       0.0);
     ( 397703.4, 3818474.7,     986.1,    1306.8,       0.0);         ( 397684.5,
3818489.9,     984.2,    1306.8,       0.0);
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(397665.7, 3818505.1, 982.7, 1306.8, 0.0); (397646.8, 3818520.4, 981.6, 1306.8, 0.0);
(397628.0, 3818535.6, 980.7, 1306.8, 0.0); (397609.1, 3818550.8, 980.3, 1306.8, 0.0);
(397590.3, 3818566.0, 980.3, 1306.8, 0.0); (397571.4, 3818581.2, 980.6, 1306.8, 0.0);
(397552.6, 3818596.4, 981.2, 1306.8, 0.0); (397533.7, 3818611.7, 982.9, 1306.8, 0.0);
(397514.9, 3818626.9, 983.5, 1306.8, 0.0); (397496.0, 3818642.1, 984.2, 1306.8, 0.0);
(397477.2, 3818657.3, 985.3, 1306.8, 0.0); (397458.3, 3818672.5, 988.3, 1306.8, 0.0);
(397439.5, 3818687.7, 993.3, 1306.8, 0.0); (397420.6, 3818703.0, 999.2, 1277.1, 0.0);

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

(397401.8, 3818718.2, 1007.4, 1277.1, 0.0); (397382.9, 3818733.4, 1017.4, 1277.1, 0.0);
(397364.1, 3818748.6, 1029.3, 1277.1, 0.0); (397345.2, 3818763.8, 1042.2, 1277.1, 0.0);
(397326.4, 3818779.0, 1055.2, 1277.1, 0.0); (397307.5, 3818794.3, 1068.1, 1277.1, 0.0);
(397288.7, 3818809.5, 1080.4, 1277.1, 0.0); (397269.8, 3818824.7, 1091.2, 1273.7, 0.0);
(397251.0, 3818839.9, 1096.4, 1273.7, 0.0); (397232.1, 3818855.1, 1097.5, 1273.7, 0.0);
(397213.3, 3818870.3, 1095.9, 1272.7, 0.0); (397194.4, 3818885.6, 1091.5, 1273.7, 0.0);
(397175.6, 3818900.8, 1087.0, 1273.7, 0.0); (397156.7, 3818916.0, 1085.1, 1273.7, 0.0);
(397137.9, 3818931.2, 1085.4, 1273.7, 0.0); (397119.0, 3818946.4, 1085.4, 1272.6, 0.0);
(397100.2, 3818961.6, 1086.9, 1237.2, 0.0); (397081.3, 3818976.9, 1087.9, 1237.2, 0.0);
(397062.5, 3818992.1, 1088.6, 1237.2, 0.0); (397043.6, 3819007.3, 1091.4, 1237.2, 0.0);
(397024.8, 3819022.5, 1094.9, 1237.2, 0.0); (397005.9, 3819037.7, 1104.3, 1237.1, 0.0);
(396987.1, 3819052.9, 1113.7, 1179.1, 0.0); (396968.2, 3819068.2, 1121.1, 1156.2, 0.0);

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    ( 396949.4, 3819083.4,    1120.4,    1179.1,       0.0);         ( 396930.5,
3819098.6,    1114.5,    1237.1,       0.0);
    ( 396911.7, 3819113.8,    1106.0,    1237.2,       0.0);         ( 396892.8,
3819129.0,    1097.3,    1237.2,       0.0);
    ( 396874.0, 3819144.2,    1090.4,    1237.2,       0.0);         ( 396855.1,
3819159.5,    1085.5,    1237.2,       0.0);
    ( 396836.3, 3819174.7,    1083.0,    1237.2,       0.0);         ( 396817.5,
3819189.9,    1081.8,    1237.2,       0.0);
    ( 396798.6, 3819205.1,    1080.3,    1237.2,       0.0);         ( 396755.5,
3819221.0,    1078.2,    1237.2,       0.0);
    ( 396731.3, 3819221.7,    1075.8,    1237.2,       0.0);         ( 396707.1,
3819222.4,    1073.0,    1237.2,       0.0);
    ( 396682.9, 3819223.1,    1069.8,    1237.2,       0.0);         ( 396658.7,
3819223.8,    1066.5,    1379.2,       0.0);
    ( 396634.5, 3819224.5,    1063.4,    1380.0,       0.0);         ( 396610.2,
3819225.2,    1061.9,    1380.0,       0.0);
    ( 396586.0, 3819225.9,    1061.4,    1380.0,       0.0);         ( 396561.8,
3819226.6,    1058.8,    1380.0,       0.0);
    ( 396537.6, 3819227.3,    1060.2,    1380.0,       0.0);         ( 396513.4,
3819228.0,    1060.7,    1380.0,       0.0);
    ( 396489.2, 3819228.7,    1060.5,    1380.0,       0.0);         ( 396465.0,
3819229.3,    1059.6,    1439.0,       0.0);
    ( 396440.7, 3819230.0,    1059.3,    1440.1,       0.0);         ( 396416.5,
3819230.7,    1058.9,    1440.1,       0.0);
    ( 396392.3, 3819231.4,    1059.0,    1440.1,       0.0);         ( 396368.1,
3819232.1,    1059.3,    1440.1,       0.0);
    ( 396343.9, 3819232.8,    1058.0,    1440.1,       0.0);         ( 396319.7,
3819233.5,    1056.6,    1440.1,       0.0);
    ( 396295.5, 3819234.2,    1055.9,    1440.1,       0.0);         ( 396271.2,
3819234.9,    1056.4,    1440.1,       0.0);
    ( 396247.0, 3819235.6,    1057.4,    1440.1,       0.0);         ( 396222.8,
3819236.3,    1057.8,    1440.1,       0.0);
    ( 396198.6, 3819237.0,    1057.8,    1440.1,       0.0);         ( 396174.4,
3819237.7,    1058.2,    1440.1,       0.0);
    ( 396150.2, 3819238.4,    1060.3,    1440.1,       0.0);         ( 396125.9,
3819239.1,    1063.2,    1440.1,       0.0);
    ( 396101.7, 3819239.8,    1067.8,    1440.1,       0.0);         ( 396077.5,
3819240.4,    1074.5,    1440.1,       0.0);
    ( 396053.3, 3819241.1,    1081.7,    1440.1,       0.0);         ( 396029.1,
3819241.8,    1078.4,    1440.1,       0.0);
    ( 396004.9, 3819242.5,    1070.7,    1440.1,       0.0);         ( 395980.6,
3819243.2,    1064.8,    1440.1,       0.0);
    ( 395956.4, 3819243.9,    1060.7,    1440.1,       0.0);         ( 395932.2,
3819244.6,    1058.4,    1440.1,       0.0);
    ( 395908.0, 3819245.3,    1057.2,    1440.1,       0.0);         ( 395883.8,
3819246.0,    1056.9,    1440.1,       0.0);
    ( 395859.6, 3819246.7,    1055.1,    1440.1,       0.0);         ( 395835.4,
3819247.4,    1053.9,    1440.1,       0.0);
    ( 395811.1, 3819248.1,    1051.6,    1440.1,       0.0);         ( 395786.9,
3819248.8,    1049.4,    1440.1,       0.0);
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(395762.7, 3819249.5, 1048.7, 1440.1, 0.0); (395738.5, 3819250.2, 1049.2, 1440.1, 0.0);
(395714.3, 3819250.8, 1051.1, 1440.1, 0.0); (395690.1, 3819251.5, 1053.1, 1440.1, 0.0);
(395665.9, 3819252.2, 1052.9, 1440.1, 0.0); (395641.6, 3819252.9, 1052.6, 1440.1, 0.0);
(395617.4, 3819253.6, 1052.8, 1440.1, 0.0); (395593.2, 3819254.3, 1053.4, 1440.1, 0.0);
(395569.0, 3819255.0, 1054.8, 1440.1, 0.0); (395544.8, 3819255.7, 1056.4, 1440.1, 0.0);
(395520.6, 3819256.4, 1058.2, 1440.1, 0.0); (395496.3, 3819257.1, 1059.9, 1440.1, 0.0);
(395472.1, 3819257.8, 1062.0, 1440.1, 0.0); (395447.9, 3819258.5, 1064.1, 1440.1, 0.0);
(395423.7, 3819259.2, 1065.9, 1440.1, 0.0); (395399.5, 3819259.9, 1066.9, 1440.1, 0.0);

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

(395375.3, 3819260.6, 1068.2, 1440.1, 0.0); (395351.1, 3819261.2, 1071.0, 1440.1, 0.0);
(395326.8, 3819261.9, 1075.7, 1440.1, 0.0); (395302.6, 3819262.6, 1080.5, 1440.1, 0.0);
(397948.4, 3818276.9, 1023.9, 1306.8, 0.0); (397961.6, 3818256.1, 1029.3, 1306.8, 0.0);
(398351.4, 3818560.4, 1083.4, 1277.1, 0.0); (398332.5, 3818575.7, 1074.1, 1277.1, 0.0);
(398313.6, 3818590.9, 1063.8, 1277.1, 0.0); (398294.8, 3818606.2, 1053.8, 1277.1, 0.0);
(398275.8, 3818621.4, 1044.4, 1277.1, 0.0); (398257.0, 3818636.7, 1036.5, 1277.1, 0.0);
(398238.1, 3818652.0, 1031.4, 1306.8, 0.0); (398219.2, 3818667.2, 1026.8, 1306.8, 0.0);
(398200.3, 3818682.5, 1022.3, 1306.8, 0.0); (398181.4, 3818697.7, 1018.2, 1306.8, 0.0);
(398162.5, 3818713.0, 1014.5, 1306.8, 0.0); (398143.6, 3818728.2, 1011.2, 1306.8, 0.0);
(398124.7, 3818743.5, 1007.3, 1306.8, 0.0); (398105.8, 3818758.8, 1003.7, 1306.8, 0.0);
(398086.9, 3818774.0, 1000.3, 1306.8, 0.0); (398068.0, 3818789.3, 996.8, 1306.8, 0.0);

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    ( 398049.1, 3818804.5,     993.4,    1306.8,       0.0);         ( 398030.2,
3818819.8,     990.3,    1306.8,       0.0);
    ( 398011.3, 3818835.0,     987.2,    1306.8,       0.0);         ( 397992.4,
3818850.3,     984.2,    1306.8,       0.0);
    ( 397973.5, 3818865.5,     982.1,    1306.8,       0.0);         ( 397954.6,
3818880.8,     980.1,    1306.8,       0.0);
    ( 397935.7, 3818896.0,     978.3,    1306.8,       0.0);         ( 397916.8,
3818911.3,     976.7,    1306.8,       0.0);
    ( 397897.9, 3818926.6,     975.8,    1306.8,       0.0);         ( 397879.0,
3818941.8,     977.3,    1306.8,       0.0);
    ( 397860.1, 3818957.1,     978.3,    1306.8,       0.0);         ( 397841.2,
3818972.3,     983.7,    1306.8,       0.0);
    ( 397822.3, 3818987.6,     985.1,    1306.8,       0.0);         ( 397803.4,
3819002.8,     984.7,    1306.8,       0.0);
    ( 397784.5, 3819018.1,     986.7,    1277.1,       0.0);         ( 397765.6,
3819033.3,     992.8,    1277.1,       0.0);
    ( 397746.7, 3819048.6,     997.1,    1277.1,       0.0);         ( 397727.8,
3819063.9,    1001.5,    1277.1,       0.0);
    ( 397708.9, 3819079.1,    1005.7,    1277.1,       0.0);         ( 397690.0,
3819094.4,    1009.7,    1277.1,       0.0);
    ( 397671.1, 3819109.6,    1013.5,    1277.1,       0.0);         ( 397652.2,
3819124.9,    1016.7,    1277.1,       0.0);
    ( 397633.3, 3819140.1,    1019.0,    1277.1,       0.0);         ( 397614.4,
3819155.4,    1021.3,    1277.1,       0.0);
    ( 397595.5, 3819170.6,    1023.2,    1277.1,       0.0);         ( 397576.6,
3819185.9,    1025.6,    1277.1,       0.0);
    ( 397557.8, 3819201.2,    1028.9,    1277.1,       0.0);         ( 397538.8,
3819216.4,    1032.4,    1277.1,       0.0);
    ( 397520.0, 3819231.7,    1035.0,    1277.1,       0.0);         ( 397501.1,
3819246.9,    1036.3,    1277.1,       0.0);
    ( 397482.2, 3819262.2,    1038.0,    1277.1,       0.0);         ( 397463.3,
3819277.4,    1040.6,    1277.1,       0.0);
    ( 397444.4, 3819292.7,    1042.7,    1277.1,       0.0);         ( 397425.5,
3819307.9,    1043.4,    1277.1,       0.0);
    ( 397406.6, 3819323.2,    1043.3,    1277.1,       0.0);         ( 397387.7,
3819338.5,    1045.6,    1277.1,       0.0);
    ( 397368.8, 3819353.7,    1048.4,    1277.1,       0.0);         ( 397349.9,
3819369.0,    1049.8,    1277.1,       0.0);
    ( 397331.0, 3819384.2,    1051.0,    1277.1,       0.0);         ( 397312.1,
3819399.5,    1054.2,    1277.1,       0.0);
    ( 397293.2, 3819414.7,    1058.7,    1277.1,       0.0);         ( 397274.3,
3819430.0,    1064.6,    1273.7,       0.0);
    ( 397255.4, 3819445.3,    1068.7,    1273.7,       0.0);         ( 397236.5,
3819460.5,    1064.2,    1273.7,       0.0);
    ( 397217.6, 3819475.8,    1060.3,    1273.7,       0.0);         ( 397198.7,
3819491.0,    1059.7,    1273.7,       0.0);
    ( 397179.8, 3819506.3,    1059.7,    1272.7,       0.0);         ( 397160.9,
3819521.5,    1060.1,    1272.6,       0.0);
    ( 397142.0, 3819536.8,    1059.2,    1272.6,       0.0);         ( 397123.1,
3819552.0,    1061.4,    1237.2,       0.0);
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    ( 396200.5, 3819710.9,    1143.9,    1237.2,       0.0);         ( 396176.2,
3819711.6,    1147.0,    1237.2,       0.0);
    ( 396151.9, 3819712.3,    1143.8,    1237.2,       0.0);         ( 396127.6,
3819713.0,    1138.3,    1379.2,       0.0);
    ( 396103.3, 3819713.7,    1134.0,    1380.0,       0.0);         ( 396079.1,
3819714.4,    1130.9,    1380.0,       0.0);
    ( 396054.8, 3819715.1,    1125.7,    1380.0,       0.0);         ( 396030.5,
3819715.8,    1122.3,    1439.0,       0.0);
    ( 396006.2, 3819716.5,    1117.3,    1440.1,       0.0);         ( 395982.0,
3819717.2,    1110.9,    1440.1,       0.0);
    ( 395957.7, 3819717.9,    1107.5,    1440.1,       0.0);         ( 395933.4,
3819718.5,    1106.5,    1440.1,       0.0);
    ( 395909.1, 3819719.2,    1109.0,    1440.1,       0.0);         ( 395884.8,
3819719.9,    1113.6,    1440.1,       0.0);
    ( 395860.6, 3819720.6,    1118.9,    1440.1,       0.0);         ( 395836.3,
3819721.3,    1115.7,    1440.1,       0.0);
    ( 395812.0, 3819722.0,    1106.9,    1440.1,       0.0);         ( 395787.7,
3819722.7,    1098.0,    1440.1,       0.0);
    ( 395763.5, 3819723.4,    1090.5,    1440.1,       0.0);         ( 395739.2,
3819724.1,    1085.1,    1440.1,       0.0);
    ( 395714.9, 3819724.8,    1080.8,    1440.1,       0.0);         ( 395690.6,
3819725.5,    1077.4,    1440.1,       0.0);
    ( 395666.3, 3819726.2,    1074.6,    1440.1,       0.0);         ( 395642.1,
3819726.9,    1071.9,    1440.1,       0.0);
    ( 395617.8, 3819727.6,    1070.1,    1440.1,       0.0);         ( 395593.5,
3819728.3,    1069.4,    1440.1,       0.0);
    ( 395569.2, 3819729.0,    1071.5,    1440.1,       0.0);         ( 395545.0,
3819729.7,    1077.0,    1440.1,       0.0);
    ( 395520.7, 3819730.4,    1084.6,    1440.1,       0.0);         ( 395496.4,
3819731.1,    1089.9,    1440.1,       0.0);
    ( 395472.1, 3819731.8,    1095.6,    1440.1,       0.0);         ( 395447.9,
3819732.5,    1102.1,    1440.1,       0.0);
    ( 395423.6, 3819733.1,    1109.9,    1440.1,       0.0);         ( 395399.3,
3819733.8,    1119.7,    1440.1,       0.0);
    ( 395375.0, 3819734.5,    1131.5,    1440.1,       0.0);         ( 395350.8,
3819735.2,    1144.7,    1440.1,       0.0);
    ( 395326.5, 3819735.9,    1158.0,    1440.1,       0.0);         ( 395302.2,
3819736.6,    1168.3,    1440.1,       0.0);
    ( 395277.9, 3819737.3,    1166.2,    1440.1,       0.0);         ( 395253.6,
3819738.0,    1157.1,    1440.1,       0.0);
    ( 395229.4, 3819738.7,    1147.3,    1440.1,       0.0);         ( 395205.1,
3819739.4,    1140.5,    1440.1,       0.0);
    ( 395180.8, 3819740.1,    1137.3,    1440.1,       0.0);         ( 395156.5,
3819740.8,    1135.4,    1440.1,       0.0);
    ( 398370.3, 3818545.2,    1091.6,    1277.1,       0.0);         ( 398383.5,
3818524.4,    1101.1,    1277.1,       0.0);
    ( 398773.3, 3818828.7,    1144.7,    1277.1,       0.0);         ( 398754.4,
3818844.0,    1135.1,    1277.1,       0.0);
    ( 398735.5, 3818859.3,    1132.1,    1277.1,       0.0);         ( 398716.5,
3818874.6,    1127.7,    1277.1,       0.0);
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(398697.6, 3818889.9, 1126.0, 1277.1, 0.0); (398678.7,
3818905.1, 1129.5, 1277.1, 0.0);
(398659.8, 3818920.4, 1133.4, 1277.1, 0.0); (398640.8,
3818935.7, 1136.7, 1277.1, 0.0);
(398621.9, 3818951.0, 1139.7, 1277.1, 0.0); (398603.0,
3818966.3, 1140.0, 1277.1, 0.0);
(398584.0, 3818981.6, 1138.6, 1277.1, 0.0); (398565.1,
3818996.8, 1134.9, 1277.1, 0.0);
(398546.2, 3819012.1, 1126.3, 1277.1, 0.0); (398527.2,
3819027.4, 1119.2, 1277.1, 0.0);
(398508.3, 3819042.7, 1108.6, 1277.1, 0.0); (398489.4,
3819058.0, 1099.3, 1277.1, 0.0);
(398470.4, 3819073.3, 1087.9, 1277.1, 0.0); (398451.5,
3819088.5, 1076.0, 1277.1, 0.0);
(398432.6, 3819103.8, 1062.1, 1277.1, 0.0); (398413.6,
3819119.1, 1048.8, 1277.1, 0.0);
(398394.7, 3819134.4, 1035.6, 1277.1, 0.0); (398375.8,
3819149.7, 1022.1, 1277.1, 0.0);
(398356.8, 3819165.0, 1010.6, 1277.1, 0.0); (398337.9,
3819180.2, 1000.2, 1277.1, 0.0);

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

(398319.0, 3819195.5, 991.6, 1277.1, 0.0); (398300.0,
3819210.8, 985.4, 1277.1, 0.0);
(398281.1, 3819226.1, 980.2, 1277.1, 0.0); (398262.2,
3819241.4, 975.6, 1306.8, 0.0);
(398243.3, 3819256.7, 972.1, 1306.8, 0.0); (398224.3,
3819271.9, 969.2, 1306.8, 0.0);
(398205.4, 3819287.2, 971.1, 1277.1, 0.0); (398186.5,
3819302.5, 972.4, 1277.1, 0.0);
(398167.5, 3819317.8, 975.7, 1277.1, 0.0); (398148.6,
3819333.1, 977.5, 1277.1, 0.0);
(398129.7, 3819348.4, 975.9, 1277.1, 0.0); (398110.7,
3819363.6, 976.0, 1277.1, 0.0);
(398091.8, 3819378.9, 975.9, 1277.1, 0.0); (398072.9,
3819394.2, 975.2, 1277.1, 0.0);
(398054.0, 3819409.5, 975.8, 1277.1, 0.0); (398035.0,
3819424.8, 979.6, 1277.1, 0.0);
(398016.1, 3819440.0, 980.8, 1277.1, 0.0); (397997.1,
3819455.3, 981.4, 1365.7, 0.0);

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     ( 397978.2, 3819470.6,     987.6,    1277.1,       0.0);         ( 397959.3,
3819485.9,     994.1,    1277.1,       0.0);
     ( 397940.4, 3819501.2,    1002.8,    1277.1,       0.0);         ( 397921.4,
3819516.5,    1006.7,    1277.1,       0.0);
     ( 397902.5, 3819531.8,    1010.9,    1277.1,       0.0);         ( 397883.6,
3819547.0,    1015.8,    1277.1,       0.0);
     ( 397864.6, 3819562.3,    1018.4,    1277.1,       0.0);         ( 397845.7,
3819577.6,    1023.1,    1277.1,       0.0);
     ( 397826.8, 3819592.9,    1026.8,    1277.1,       0.0);         ( 397807.8,
3819608.2,    1030.9,    1277.1,       0.0);
     ( 397788.9, 3819623.4,    1034.3,    1277.1,       0.0);         ( 397770.0,
3819638.7,    1036.8,    1277.1,       0.0);
     ( 397751.0, 3819654.0,    1037.7,    1277.1,       0.0);         ( 397732.1,
3819669.3,    1035.8,    1277.1,       0.0);
     ( 397713.2, 3819684.6,    1032.9,    1277.1,       0.0);         ( 397694.2,
3819699.9,    1029.9,    1277.1,       0.0);
     ( 397675.3, 3819715.1,    1025.6,    1277.1,       0.0);         ( 397656.4,
3819730.4,    1021.8,    1379.2,       0.0);
     ( 397637.5, 3819745.7,    1019.8,    1380.0,       0.0);         ( 397618.5,
3819761.0,    1020.3,    1380.0,       0.0);
     ( 397599.6, 3819776.3,    1021.1,    1380.0,       0.0);         ( 397580.7,
3819791.6,    1021.8,    1380.0,       0.0);
     ( 397561.7, 3819806.8,    1022.8,    1380.0,       0.0);         ( 397542.8,
3819822.1,    1024.5,    1380.0,       0.0);
     ( 397523.9, 3819837.4,    1026.3,    1380.0,       0.0);         ( 397504.9,
3819852.7,    1028.6,    1380.0,       0.0);
     ( 397486.0, 3819868.0,    1031.5,    1380.0,       0.0);         ( 397467.1,
3819883.3,    1034.2,    1380.0,       0.0);
     ( 397448.1, 3819898.5,    1037.7,    1380.0,       0.0);         ( 397429.2,
3819913.8,    1040.8,    1380.0,       0.0);
     ( 397410.3, 3819929.1,    1042.9,    1380.0,       0.0);         ( 397391.3,
3819944.4,    1043.5,    1380.0,       0.0);
     ( 397372.4, 3819959.7,    1048.0,    1380.0,       0.0);         ( 397353.5,
3819975.0,    1054.7,    1380.0,       0.0);
     ( 397334.6, 3819990.2,    1063.2,    1379.2,       0.0);         ( 397315.6,
3820005.5,    1071.7,    1237.2,       0.0);
     ( 397296.7, 3820020.8,    1080.0,    1237.2,       0.0);         ( 397277.8,
3820036.1,    1088.1,    1237.2,       0.0);
     ( 397258.8, 3820051.4,    1095.9,    1237.2,       0.0);         ( 397239.9,
3820066.7,    1101.8,    1237.2,       0.0);
     ( 397221.0, 3820081.9,    1105.6,    1237.2,       0.0);         ( 397202.0,
3820097.2,    1105.3,    1237.2,       0.0);
     ( 397183.1, 3820112.5,    1101.5,    1237.2,       0.0);         ( 397164.2,
3820127.8,    1099.7,    1237.2,       0.0);
     ( 397145.2, 3820143.1,    1099.7,    1237.2,       0.0);         ( 397102.0,
3820159.1,    1104.3,    1237.2,       0.0);
     ( 397077.7, 3820159.8,    1109.0,    1237.2,       0.0);         ( 397053.3,
3820160.4,    1120.4,    1237.2,       0.0);
     ( 397029.0, 3820161.1,    1133.0,    1237.2,       0.0);         ( 397004.7,
3820161.8,    1145.1,    1237.2,       0.0);
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(396980.4, 3820162.5, 1154.9, 1237.2, 0.0); (396956.1, 3820163.2, 1158.5, 1237.2, 0.0);
(396931.8, 3820163.9, 1156.8, 1237.2, 0.0); (396907.4, 3820164.6, 1151.1, 1237.2, 0.0);
(396883.1, 3820165.3, 1143.0, 1237.2, 0.0); (396858.8, 3820166.0, 1135.6, 1237.2, 0.0);
(396834.5, 3820166.7, 1139.7, 1237.2, 0.0); (396810.1, 3820167.4, 1143.6, 1237.2, 0.0);
(396785.8, 3820168.1, 1145.7, 1237.2, 0.0); (396761.5, 3820168.8, 1148.4, 1237.2, 0.0);
(396737.2, 3820169.5, 1150.4, 1237.2, 0.0); (396712.9, 3820170.2, 1154.2, 1237.2, 0.0);
(396688.5, 3820170.9, 1158.8, 1237.2, 0.0); (396664.2, 3820171.6, 1162.6, 1237.2, 0.0);
(396639.9, 3820172.3, 1166.7, 1237.2, 0.0); (396615.6, 3820173.0, 1171.7, 1237.2, 0.0);
(396591.3, 3820173.7, 1177.9, 1237.2, 0.0); (396566.9, 3820174.4, 1184.4, 1237.2, 0.0);
(396542.6, 3820175.1, 1190.6, 1237.2, 0.0); (396518.3, 3820175.8, 1196.4, 1237.2, 0.0);
(396494.0, 3820176.5, 1201.2, 1237.2, 0.0); (396469.7, 3820177.2, 1205.7, 1237.2, 0.0);

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

(396445.3, 3820177.9, 1209.5, 1237.2, 0.0); (396421.0, 3820178.6, 1213.8, 1237.2, 0.0);
(396396.7, 3820179.3, 1220.4, 1237.2, 0.0); (396372.4, 3820180.0, 1229.2, 1237.2, 0.0);
(396348.1, 3820180.6, 1236.6, 1236.6, 0.0); (396323.7, 3820181.3, 1229.9, 1237.2, 0.0);
(396299.4, 3820182.0, 1219.9, 1237.2, 0.0); (396275.1, 3820182.7, 1209.4, 1237.2, 0.0);
(396250.8, 3820183.4, 1200.7, 1237.2, 0.0); (396226.5, 3820184.1, 1195.6, 1237.2, 0.0);
(396202.1, 3820184.8, 1189.7, 1237.2, 0.0); (396177.8, 3820185.5, 1180.9, 1237.2, 0.0);
(396153.5, 3820186.2, 1171.7, 1378.3, 0.0); (396129.2, 3820186.9, 1163.1, 1380.0, 0.0);
(396104.8, 3820187.6, 1155.1, 1380.0, 0.0); (396080.5, 3820188.3, 1147.8, 1380.0, 0.0);

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    ( 396056.2, 3820189.0,    1141.7,    1380.0,       0.0);         ( 396031.9,
3820189.7,    1137.0,    1440.1,       0.0);
    ( 396007.6, 3820190.4,    1132.1,    1440.1,       0.0);         ( 395983.2,
3820191.1,    1126.2,    1440.1,       0.0);
    ( 395958.9, 3820191.8,    1121.3,    1440.1,       0.0);         ( 395934.6,
3820192.5,    1117.8,    1440.1,       0.0);
    ( 395910.3, 3820193.2,    1116.6,    1440.1,       0.0);         ( 395886.0,
3820193.9,    1114.0,    1440.1,       0.0);
    ( 395861.6, 3820194.6,    1110.9,    1440.1,       0.0);         ( 395837.3,
3820195.3,    1104.0,    1440.1,       0.0);
    ( 395813.0, 3820196.0,    1099.5,    1440.1,       0.0);         ( 395788.7,
3820196.7,    1097.4,    1440.1,       0.0);
    ( 395764.4, 3820197.4,    1098.8,    1440.1,       0.0);         ( 395740.0,
3820198.1,    1101.2,    1440.1,       0.0);
    ( 395715.7, 3820198.8,    1100.5,    1440.1,       0.0);         ( 395691.4,
3820199.5,    1096.6,    1440.1,       0.0);
    ( 395667.1, 3820200.2,    1093.6,    1440.1,       0.0);         ( 395642.8,
3820200.8,    1092.8,    1440.1,       0.0);
    ( 395618.4, 3820201.5,    1092.3,    1440.1,       0.0);         ( 395594.1,
3820202.2,    1092.7,    1440.1,       0.0);
    ( 395569.8, 3820202.9,    1093.0,    1440.1,       0.0);         ( 395545.5,
3820203.6,    1092.6,    1440.1,       0.0);
    ( 395521.2, 3820204.3,    1093.0,    1440.1,       0.0);         ( 395496.8,
3820205.0,    1093.0,    1440.1,       0.0);
    ( 395472.5, 3820205.7,    1093.4,    1440.1,       0.0);         ( 395448.2,
3820206.4,    1094.7,    1440.1,       0.0);
    ( 395423.9, 3820207.1,    1096.1,    1440.1,       0.0);         ( 395399.6,
3820207.8,    1098.0,    1440.1,       0.0);
    ( 395375.2, 3820208.5,    1101.0,    1440.1,       0.0);         ( 395350.9,
3820209.2,    1104.9,    1440.1,       0.0);
    ( 395326.6, 3820209.9,    1106.3,    1440.1,       0.0);         ( 395302.3,
3820210.6,    1106.1,    1440.1,       0.0);
    ( 395278.0, 3820211.3,    1103.9,    1440.1,       0.0);         ( 395253.6,
3820212.0,    1106.9,    1440.1,       0.0);
    ( 395229.3, 3820212.7,    1107.2,    1440.1,       0.0);         ( 395205.0,
3820213.4,    1106.8,    1440.1,       0.0);
    ( 395180.7, 3820214.1,    1107.4,    1440.1,       0.0);         ( 395156.3,
3820214.8,    1108.7,    1440.1,       0.0);
    ( 395132.0, 3820215.5,    1109.4,    1440.1,       0.0);         ( 395107.7,
3820216.2,    1110.2,    1440.1,       0.0);
    ( 395083.4, 3820216.9,    1111.6,    1440.1,       0.0);         ( 395059.1,
3820217.6,    1113.1,    1440.1,       0.0);
    ( 395034.8, 3820218.3,    1114.6,    1440.1,       0.0);         ( 395010.4,
3820219.0,    1115.8,    1440.1,       0.0);
    ( 398792.3, 3818813.4,    1155.2,    1277.1,       0.0);         ( 398805.5,
3818792.7,    1168.0,    1277.1,       0.0);
    ( 399195.2, 3819097.0,    1092.2,    1277.1,       0.0);         ( 399176.3,
3819112.3,    1090.4,    1277.1,       0.0);
    ( 399157.3, 3819127.6,    1089.0,    1277.1,       0.0);         ( 399138.4,
3819142.9,    1087.6,    1277.1,       0.0);
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(399119.4, 3819158.2, 1089.2, 1277.1, 0.0); (399100.5,
3819173.5, 1088.9, 1277.1, 0.0);
(399081.5, 3819188.8, 1085.6, 1277.1, 0.0); (399062.5,
3819204.1, 1079.8, 1277.1, 0.0);
(399043.6, 3819219.5, 1070.4, 1277.1, 0.0); (399024.6,
3819234.8, 1061.2, 1277.1, 0.0);
(399005.7, 3819250.1, 1052.0, 1277.1, 0.0); (398986.7,
3819265.4, 1043.7, 1277.1, 0.0);
(398967.8, 3819280.7, 1036.8, 1277.1, 0.0); (398948.8,
3819296.0, 1031.8, 1277.1, 0.0);
(398929.8, 3819311.3, 1027.8, 1277.1, 0.0); (398910.9,
3819326.6, 1024.0, 1277.1, 0.0);
(398891.9, 3819341.9, 1020.6, 1277.1, 0.0); (398873.0,
3819357.2, 1018.4, 1277.1, 0.0);
(398854.0, 3819372.5, 1016.0, 1277.1, 0.0); (398835.1,
3819387.8, 1013.1, 1277.1, 0.0);
(398816.1, 3819403.1, 1010.7, 1277.1, 0.0); (398797.2,
3819418.4, 1007.8, 1277.1, 0.0);
(398778.2, 3819433.7, 1004.8, 1277.1, 0.0); (398759.2,
3819449.0, 1002.1, 1277.1, 0.0);
(398740.3, 3819464.3, 999.3, 1277.1, 0.0); (398721.3,
3819479.6, 996.4, 1277.1, 0.0);
(398702.4, 3819494.9, 993.3, 1277.1, 0.0); (398683.4,
3819510.2, 990.3, 1277.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(398664.5, 3819525.5, 987.0, 1277.1, 0.0); (398645.5,
3819540.8, 983.7, 1277.1, 0.0);
(398626.5, 3819556.1, 980.4, 1277.1, 0.0); (398607.6,
3819571.4, 977.3, 1277.1, 0.0);
(398588.6, 3819586.7, 974.3, 1277.1, 0.0); (398569.7,
3819602.0, 971.7, 1277.1, 0.0);
(398550.7, 3819617.3, 969.0, 1277.1, 0.0); (398531.8,
3819632.6, 966.6, 1277.1, 0.0);
(398512.8, 3819647.9, 964.4, 1277.1, 0.0); (398493.8,
3819663.3, 962.1, 1277.1, 0.0);
(398474.9, 3819678.6, 959.8, 1277.1, 0.0); (398455.9,
3819693.9, 958.0, 1277.1, 0.0);
(398437.0, 3819709.2, 954.9, 1365.7, 0.0); (398418.0,
3819724.5, 950.3, 1380.0, 0.0);

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    ( 398399.1, 3819739.8,     949.7,    1380.0,       0.0);         ( 398380.1,
3819755.1,     952.5,    1380.0,       0.0);
    ( 398361.2, 3819770.4,     954.0,    1380.0,       0.0);         ( 398342.2,
3819785.7,     953.4,    1380.0,       0.0);
    ( 398323.2, 3819801.0,     952.2,    1380.0,       0.0);         ( 398304.3,
3819816.3,     952.6,    1380.0,       0.0);
    ( 398285.3, 3819831.6,     952.9,    1380.0,       0.0);         ( 398266.4,
3819846.9,     953.8,    1380.0,       0.0);
    ( 398247.4, 3819862.2,     956.1,    1380.0,       0.0);         ( 398228.5,
3819877.5,     959.4,    1380.0,       0.0);
    ( 398209.5, 3819892.8,     962.1,    1380.0,       0.0);         ( 398190.5,
3819908.1,     964.0,    1380.0,       0.0);
    ( 398171.6, 3819923.4,     966.1,    1380.0,       0.0);         ( 398152.6,
3819938.7,     968.1,    1380.0,       0.0);
    ( 398133.7, 3819954.0,     970.1,    1380.0,       0.0);         ( 398114.7,
3819969.3,     972.1,    1380.0,       0.0);
    ( 398095.8, 3819984.6,     974.4,    1380.0,       0.0);         ( 398076.8,
3819999.9,     976.9,    1380.0,       0.0);
    ( 398057.8, 3820015.2,     977.4,    1380.0,       0.0);         ( 398038.9,
3820030.5,     979.7,    1380.0,       0.0);
    ( 398019.9, 3820045.8,     982.3,    1380.0,       0.0);         ( 398001.0,
3820061.1,     983.8,    1380.0,       0.0);
    ( 397982.0, 3820076.4,     983.8,    1380.0,       0.0);         ( 397963.1,
3820091.8,     986.3,    1380.0,       0.0);
    ( 397944.1, 3820107.1,     989.8,    1380.0,       0.0);         ( 397925.2,
3820122.4,     993.5,    1380.0,       0.0);
    ( 397906.2, 3820137.7,     997.1,    1380.0,       0.0);         ( 397887.2,
3820153.0,    1001.6,    1380.0,       0.0);
    ( 397868.3, 3820168.3,    1006.2,    1380.0,       0.0);         ( 397849.3,
3820183.6,    1012.1,    1380.0,       0.0);
    ( 397830.4, 3820198.9,    1015.7,    1380.0,       0.0);         ( 397811.4,
3820214.2,    1016.9,    1380.0,       0.0);
    ( 397792.5, 3820229.5,    1020.3,    1380.0,       0.0);         ( 397773.5,
3820244.8,    1023.4,    1380.0,       0.0);
    ( 397754.5, 3820260.1,    1029.0,    1380.0,       0.0);         ( 397735.6,
3820275.4,    1032.3,    1380.0,       0.0);
    ( 397716.6, 3820290.7,    1038.2,    1380.0,       0.0);         ( 397697.7,
3820306.0,    1045.8,    1378.3,       0.0);
    ( 397678.7, 3820321.3,    1055.0,    1237.2,       0.0);         ( 397659.8,
3820336.6,    1065.6,    1237.2,       0.0);
    ( 397640.8, 3820351.9,    1076.8,    1237.2,       0.0);         ( 397621.8,
3820367.2,    1088.5,    1237.2,       0.0);
    ( 397602.9, 3820382.5,    1097.4,    1237.2,       0.0);         ( 397583.9,
3820397.8,    1105.8,    1237.2,       0.0);
    ( 397565.0, 3820413.1,    1110.8,    1237.2,       0.0);         ( 397546.0,
3820428.4,    1114.7,    1237.2,       0.0);
    ( 397527.1, 3820443.7,    1115.4,    1237.2,       0.0);         ( 397508.1,
3820459.0,    1117.9,    1237.2,       0.0);
    ( 397489.2, 3820474.3,    1120.3,    1196.5,       0.0);         ( 397470.2,
3820489.6,    1123.7,    1196.5,       0.0);
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(397451.2, 3820504.9, 1124.3, 1196.5, 0.0); (397432.3,
3820520.2, 1122.5, 1237.2, 0.0);
(397413.3, 3820535.5, 1126.5, 1196.5, 0.0); (397394.4,
3820550.9, 1134.4, 1196.4, 0.0);
(397375.4, 3820566.2, 1140.4, 1184.8, 0.0); (397356.5,
3820581.5, 1145.7, 1184.2, 0.0);
(397337.5, 3820596.8, 1151.3, 1180.5, 0.0); (397318.5,
3820612.1, 1151.8, 1180.5, 0.0);
(397275.2, 3820628.1, 1145.3, 1184.8, 0.0); (397250.9,
3820628.8, 1145.3, 1196.5, 0.0);
(397226.5, 3820629.5, 1147.6, 1196.5, 0.0); (397202.2,
3820630.2, 1151.7, 1184.8, 0.0);
(397177.8, 3820630.9, 1154.5, 1184.8, 0.0); (397153.5,
3820631.6, 1152.1, 1196.5, 0.0);
(397129.1, 3820632.3, 1147.3, 1237.2, 0.0); (397104.8,
3820633.0, 1146.5, 1237.2, 0.0);
(397080.4, 3820633.6, 1150.6, 1237.2, 0.0); (397056.1,
3820634.3, 1156.5, 1216.9, 0.0);
(397031.7, 3820635.0, 1162.2, 1196.5, 0.0); (397007.4,
3820635.8, 1164.5, 1196.5, 0.0);
(396983.0, 3820636.4, 1160.7, 1221.6, 0.0); (396958.6,
3820637.1, 1152.6, 1237.2, 0.0);
(396934.3, 3820637.8, 1145.9, 1237.2, 0.0); (396910.0,
3820638.5, 1145.1, 1237.2, 0.0);
(396885.6, 3820639.2, 1149.8, 1237.2, 0.0); (396861.2,
3820639.9, 1153.1, 1237.2, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(396836.9, 3820640.6, 1156.0, 1237.2, 0.0); (396812.5,
3820641.3, 1161.0, 1237.2, 0.0);
(396788.2, 3820642.0, 1167.3, 1237.2, 0.0); (396763.8,
3820642.7, 1172.5, 1237.2, 0.0);
(396739.5, 3820643.4, 1177.0, 1237.2, 0.0); (396715.1,
3820644.1, 1180.6, 1228.8, 0.0);
(396690.8, 3820644.8, 1182.8, 1228.8, 0.0); (396666.4,
3820645.5, 1184.3, 1228.8, 0.0);
(396642.1, 3820646.2, 1186.4, 1228.8, 0.0); (396617.7,
3820646.9, 1189.7, 1228.8, 0.0);
(396593.4, 3820647.6, 1194.2, 1228.8, 0.0); (396569.0,
3820648.3, 1195.6, 1228.8, 0.0);

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    ( 396544.6, 3820649.0,    1192.4,    1228.8,       0.0);         ( 396520.3,
3820649.7,    1188.3,    1237.2,       0.0);
    ( 396496.0, 3820650.4,    1185.1,    1237.2,       0.0);         ( 396471.6,
3820651.1,    1182.4,    1237.2,       0.0);
    ( 396447.2, 3820651.8,    1180.4,    1237.2,       0.0);         ( 396422.9,
3820652.5,    1180.6,    1237.2,       0.0);
    ( 396398.5, 3820653.2,    1182.9,    1237.2,       0.0);         ( 396374.2,
3820653.9,    1187.0,    1237.2,       0.0);
    ( 396349.8, 3820654.6,    1197.0,    1228.8,       0.0);         ( 396325.5,
3820655.3,    1209.3,    1228.8,       0.0);
    ( 396301.1, 3820656.0,    1220.5,    1228.8,       0.0);         ( 396276.8,
3820656.7,    1228.2,    1228.8,       0.0);
    ( 396252.4, 3820657.4,    1227.2,    1227.2,       0.0);         ( 396228.1,
3820658.1,    1226.7,    1226.7,       0.0);
    ( 396203.7, 3820658.8,    1224.4,    1226.7,       0.0);         ( 396179.4,
3820659.5,    1220.7,    1227.1,       0.0);
    ( 396155.0, 3820660.2,    1221.4,    1227.1,       0.0);         ( 396130.7,
3820660.9,    1220.3,    1224.2,       0.0);
    ( 396106.3, 3820661.5,    1215.8,    1227.1,       0.0);         ( 396082.0,
3820662.2,    1207.3,    1365.7,       0.0);
    ( 396057.6, 3820662.9,    1196.2,    1380.0,       0.0);         ( 396033.2,
3820663.6,    1185.0,    1380.0,       0.0);
    ( 396008.9, 3820664.3,    1175.3,    1380.0,       0.0);         ( 395984.5,
3820665.0,    1169.9,    1380.0,       0.0);
    ( 395960.2, 3820665.7,    1169.8,    1380.0,       0.0);         ( 395935.8,
3820666.4,    1171.2,    1380.0,       0.0);
    ( 395911.5, 3820667.1,    1172.5,    1380.0,       0.0);         ( 395887.1,
3820667.8,    1177.5,    1380.0,       0.0);
    ( 395862.8, 3820668.5,    1184.6,    1380.0,       0.0);         ( 395838.4,
3820669.2,    1188.5,    1380.0,       0.0);
    ( 395814.1, 3820669.9,    1179.5,    1380.0,       0.0);         ( 395789.7,
3820670.6,    1169.2,    1440.1,       0.0);
    ( 395765.4, 3820671.3,    1159.2,    1440.1,       0.0);         ( 395741.0,
3820672.0,    1149.4,    1440.1,       0.0);
    ( 395716.7, 3820672.7,    1140.5,    1440.1,       0.0);         ( 395692.3,
3820673.4,    1133.9,    1440.1,       0.0);
    ( 395668.0, 3820674.1,    1128.7,    1440.1,       0.0);         ( 395643.6,
3820674.8,    1125.0,    1440.1,       0.0);
    ( 395619.2, 3820675.5,    1122.7,    1440.1,       0.0);         ( 395594.9,
3820676.2,    1121.7,    1440.1,       0.0);
    ( 395570.5, 3820676.9,    1123.0,    1440.1,       0.0);         ( 395546.2,
3820677.6,    1125.4,    1440.1,       0.0);
    ( 395521.8, 3820678.3,    1128.0,    1440.1,       0.0);         ( 395497.5,
3820679.0,    1130.9,    1440.1,       0.0);
    ( 395473.1, 3820679.7,    1133.1,    1440.1,       0.0);         ( 395448.8,
3820680.4,    1135.0,    1440.1,       0.0);
    ( 395424.4, 3820681.1,    1137.2,    1440.1,       0.0);         ( 395400.1,
3820681.8,    1139.3,    1440.1,       0.0);
    ( 395375.7, 3820682.5,    1141.7,    1440.1,       0.0);         ( 395351.4,
3820683.2,    1144.4,    1440.1,       0.0);
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(395327.0, 3820683.9, 1146.7, 1440.1, 0.0); (395302.7, 3820684.6, 1148.9, 1440.1, 0.0);
(395278.3, 3820685.3, 1151.2, 1440.1, 0.0); (395254.0, 3820686.0, 1153.2, 1440.1, 0.0);
(395229.6, 3820686.7, 1155.0, 1440.1, 0.0); (395205.2, 3820687.4, 1156.3, 1440.1, 0.0);
(395180.9, 3820688.1, 1156.9, 1440.1, 0.0); (395156.5, 3820688.8, 1157.9, 1440.1, 0.0);
(395132.2, 3820689.4, 1159.5, 1440.1, 0.0); (395107.8, 3820690.1, 1160.8, 1440.1, 0.0);
(395083.5, 3820690.8, 1162.0, 1440.1, 0.0); (395059.1, 3820691.5, 1163.0, 1440.1, 0.0);
(395034.8, 3820692.2, 1164.4, 1440.1, 0.0); (395010.4, 3820692.9, 1165.6, 1440.1, 0.0);
(394986.1, 3820693.6, 1166.5, 1440.1, 0.0); (394961.7, 3820694.3, 1167.2, 1440.1, 0.0);
(394937.4, 3820695.0, 1168.1, 1440.1, 0.0); (394913.0, 3820695.7, 1169.4, 1440.1, 0.0);
(394888.7, 3820696.4, 1171.0, 1440.1, 0.0); (394864.3, 3820697.1, 1173.0, 1440.1, 0.0);
(399214.2, 3819081.7, 1096.4, 1277.1, 0.0); (399227.4, 3819061.0, 1107.6, 1277.1, 0.0);
(400320.3, 3819812.5, 1012.5, 1277.1, 0.0); (400301.2, 3819828.0, 1012.0, 1277.1, 0.0);
(400282.1, 3819843.4, 1012.6, 1277.1, 0.0); (400263.0, 3819858.8, 1010.5, 1277.1, 0.0);
(400243.9, 3819874.2, 1006.2, 1277.1, 0.0); (400224.8, 3819889.6, 1001.0, 1277.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(400205.7, 3819905.0, 996.5, 1541.6, 0.0); (400186.6, 3819920.4, 992.2, 1541.6, 0.0);
(400167.5, 3819935.9, 988.3, 1541.6, 0.0); (400148.4, 3819951.3, 982.6, 1541.6, 0.0);
(400129.3, 3819966.7, 976.5, 1541.6, 0.0); (400110.2, 3819982.1, 974.0, 1541.6, 0.0);
(400091.1, 3819997.5, 972.4, 1541.6, 0.0); (400072.0, 3820012.9, 970.9, 1541.6, 0.0);
(400052.9, 3820028.3, 970.5, 1541.6, 0.0); (400033.8, 3820043.8, 968.6, 1541.6, 0.0);

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    ( 400014.8, 3820059.2,     962.8,    1541.6,       0.0);         ( 399995.7,
3820074.6,     959.0,    1541.6,       0.0);
    ( 399976.6, 3820090.0,     964.7,    1541.6,       0.0);         ( 399957.5,
3820105.4,     967.6,    1277.1,       0.0);
    ( 399938.4, 3820120.8,     967.1,    1277.1,       0.0);         ( 399919.3,
3820136.2,     967.2,    1277.1,       0.0);
    ( 399900.2, 3820151.7,     967.2,    1277.1,       0.0);         ( 399881.1,
3820167.1,     967.1,    1277.1,       0.0);
    ( 399862.0, 3820182.5,     966.1,    1277.1,       0.0);         ( 399842.9,
3820197.9,     967.6,    1277.1,       0.0);
    ( 399823.8, 3820213.3,     970.4,    1277.1,       0.0);         ( 399804.7,
3820228.7,     973.3,    1277.1,       0.0);
    ( 399785.6, 3820244.2,     975.7,    1277.1,       0.0);         ( 399766.5,
3820259.6,     976.1,    1277.1,       0.0);
    ( 399747.4, 3820275.0,     976.2,    1277.1,       0.0);         ( 399728.3,
3820290.4,     974.7,    1277.1,       0.0);
    ( 399709.2, 3820305.8,     972.9,    1277.1,       0.0);         ( 399690.2,
3820321.2,     970.4,    1277.1,       0.0);
    ( 399671.1, 3820336.6,     967.5,    1277.1,       0.0);         ( 399652.0,
3820352.1,     961.0,    1277.1,       0.0);
    ( 399632.9, 3820367.5,     954.0,    1277.1,       0.0);         ( 399613.8,
3820382.9,     942.8,    1277.1,       0.0);
    ( 399594.7, 3820398.3,     939.8,    1277.1,       0.0);         ( 399575.6,
3820413.7,     940.7,    1277.1,       0.0);
    ( 399556.5, 3820429.1,     938.7,    1277.1,       0.0);         ( 399537.4,
3820444.5,     932.1,    1277.1,       0.0);
    ( 399518.3, 3820460.0,     925.6,    1277.1,       0.0);         ( 399499.2,
3820475.4,     922.7,    1277.1,       0.0);
    ( 399480.1, 3820490.8,     919.6,    1277.1,       0.0);         ( 399461.0,
3820506.2,     921.1,    1277.1,       0.0);
    ( 399441.9, 3820521.6,     917.2,    1277.1,       0.0);         ( 399422.8,
3820537.0,     914.3,    1277.1,       0.0);
    ( 399403.8, 3820552.4,     912.4,    1277.1,       0.0);         ( 399384.6,
3820567.9,     910.3,    1277.1,       0.0);
    ( 399365.6, 3820583.3,     908.8,    1277.1,       0.0);         ( 399346.5,
3820598.7,     907.5,    1277.1,       0.0);
    ( 399327.4, 3820614.1,     906.9,    1277.1,       0.0);         ( 399308.3,
3820629.5,     907.0,    1277.1,       0.0);
    ( 399289.2, 3820644.9,     905.2,    1277.1,       0.0);         ( 399270.1,
3820660.3,     904.3,    1378.3,       0.0);
    ( 399251.0, 3820675.8,     904.6,    1379.2,       0.0);         ( 399231.9,
3820691.2,     905.4,    1380.0,       0.0);
    ( 399212.8, 3820706.6,     909.7,    1379.2,       0.0);         ( 399193.7,
3820722.0,     907.0,    1380.0,       0.0);
    ( 399174.6, 3820737.4,     905.0,    1380.0,       0.0);         ( 399155.5,
3820752.8,     905.2,    1380.0,       0.0);
    ( 399136.4, 3820768.2,     910.2,    1380.0,       0.0);         ( 399117.3,
3820783.7,     914.1,    1380.0,       0.0);
    ( 399098.2, 3820799.1,     911.1,    1380.0,       0.0);         ( 399079.1,
3820814.5,     906.0,    1380.0,       0.0);
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(399060.1, 3820829.9, 907.0, 1380.0, 0.0); (399041.0,
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(399021.9, 3820860.7, 912.7, 1380.0, 0.0); (399002.8,
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(398983.7, 3820891.6, 920.3, 1380.0, 0.0); (398964.6,
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(398945.5, 3820922.4, 926.0, 1380.0, 0.0); (398926.4,
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(398830.9, 3821014.9, 917.2, 1380.0, 0.0); (398811.8,
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(398754.6, 3821076.5, 914.9, 1380.0, 0.0); (398735.5,
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(398716.4, 3821107.4, 931.2, 1380.0, 0.0); (398697.3,
3821122.8, 935.2, 1380.0, 0.0);
(398678.2, 3821138.2, 938.8, 1380.0, 0.0); (398659.1,
3821153.6, 943.1, 1380.0, 0.0);
(398640.0, 3821169.0, 945.8, 1380.0, 0.0); (398620.9,
3821184.4, 949.2, 1380.0, 0.0);
(398601.8, 3821199.8, 950.0, 1380.0, 0.0); (398582.7,
3821215.3, 947.9, 1380.0, 0.0);
(398563.6, 3821230.7, 945.2, 1380.0, 0.0); (398544.5,
3821246.1, 942.7, 1380.0, 0.0);
(398525.4, 3821261.5, 943.7, 1380.0, 0.0); (398506.3,
3821276.9, 944.8, 1380.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(398487.2, 3821292.3, 945.6, 1380.0, 0.0); (398468.1,
3821307.8, 945.3, 1380.0, 0.0);
(398449.0, 3821323.2, 945.7, 1380.0, 0.0); (398430.0,
3821338.6, 949.6, 1380.0, 0.0);
(398410.9, 3821354.0, 952.6, 1380.0, 0.0); (398391.8,
3821369.4, 953.0, 1380.0, 0.0);
(398372.7, 3821384.8, 952.0, 1380.0, 0.0); (398353.6,
3821400.2, 949.1, 1380.0, 0.0);

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    ( 398334.5, 3821415.6,     939.6,    1380.0,       0.0);         ( 398315.4,
3821431.1,     932.8,    1380.0,       0.0);
    ( 398296.3, 3821446.5,     935.9,    1380.0,       0.0);         ( 398277.2,
3821461.9,     940.5,    1380.0,       0.0);
    ( 398258.1, 3821477.3,     932.1,    1380.0,       0.0);         ( 398239.0,
3821492.7,     921.2,    1440.1,       0.0);
    ( 398219.9, 3821508.1,     913.1,    1440.1,       0.0);         ( 398200.8,
3821523.5,     910.5,    1440.1,       0.0);
    ( 398181.7, 3821539.0,     915.3,    1440.1,       0.0);         ( 398162.6,
3821554.4,     917.5,    1440.1,       0.0);
    ( 398143.5, 3821569.8,     916.9,    1440.1,       0.0);         ( 398124.5,
3821585.2,     918.1,    1440.1,       0.0);
    ( 398105.4, 3821600.6,     926.4,    1440.1,       0.0);         ( 398086.3,
3821616.0,     935.3,    1440.1,       0.0);
    ( 398067.2, 3821631.4,     944.1,    1440.1,       0.0);         ( 398048.1,
3821646.9,     951.4,    1380.0,       0.0);
    ( 398029.0, 3821662.3,     954.9,    1380.0,       0.0);         ( 398009.9,
3821677.7,     953.1,    1401.1,       0.0);
    ( 397990.8, 3821693.1,     946.5,    1440.1,       0.0);         ( 397971.7,
3821708.5,     938.2,    1440.1,       0.0);
    ( 397952.6, 3821723.9,     934.9,    1440.1,       0.0);         ( 397933.5,
3821739.3,     940.6,    1440.1,       0.0);
    ( 397914.4, 3821754.8,     949.6,    1440.1,       0.0);         ( 397895.3,
3821770.2,     954.7,    1440.1,       0.0);
    ( 397876.2, 3821785.6,     952.3,    1440.1,       0.0);         ( 397857.1,
3821801.0,     945.0,    1440.1,       0.0);
    ( 397838.0, 3821816.4,     935.8,    1440.1,       0.0);         ( 397819.0,
3821831.8,     927.6,    1440.1,       0.0);
    ( 397799.9, 3821847.2,     927.2,    1440.1,       0.0);         ( 397780.8,
3821862.7,     928.0,    1440.1,       0.0);
    ( 397737.1, 3821878.8,     934.4,    1440.1,       0.0);         ( 397712.6,
3821879.5,     937.2,    1440.1,       0.0);
    ( 397688.1, 3821880.2,     941.3,    1440.1,       0.0);         ( 397663.6,
3821880.9,     951.5,    1440.1,       0.0);
    ( 397639.0, 3821881.6,     955.6,    1440.1,       0.0);         ( 397614.5,
3821882.3,     955.1,    1440.1,       0.0);
    ( 397590.0, 3821883.0,     951.2,    1440.1,       0.0);         ( 397565.4,
3821883.7,     952.0,    1440.1,       0.0);
    ( 397540.9, 3821884.4,     954.8,    1440.1,       0.0);         ( 397516.4,
3821885.1,     959.6,    1440.1,       0.0);
    ( 397491.8, 3821885.8,     964.9,    1440.1,       0.0);         ( 397467.3,
3821886.5,     968.7,    1440.1,       0.0);
    ( 397442.8, 3821887.2,     969.2,    1440.1,       0.0);         ( 397418.3,
3821887.9,     963.0,    1440.1,       0.0);
    ( 397393.7, 3821888.6,     953.1,    1440.1,       0.0);         ( 397369.2,
3821889.3,     947.7,    1440.1,       0.0);
    ( 397344.7, 3821890.0,     947.8,    1440.1,       0.0);         ( 397320.1,
3821890.7,     948.0,    1440.1,       0.0);
    ( 397295.6, 3821891.4,     946.0,    1440.1,       0.0);         ( 397271.1,
3821892.1,     944.2,    1440.1,       0.0);
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     ( 397246.6, 3821892.8,     943.5,    1440.1,       0.0);         ( 397222.0,
3821893.5,     943.5,    1440.1,       0.0);
     ( 397197.5, 3821894.2,     945.1,    1440.1,       0.0);         ( 397173.0,
3821894.9,     948.9,    1440.1,       0.0);
     ( 397148.4, 3821895.6,     954.4,    1440.1,       0.0);         ( 397123.9,
3821896.3,     957.0,    1440.1,       0.0);
     ( 397099.4, 3821897.0,     957.1,    1440.1,       0.0);         ( 397074.8,
3821897.8,     962.0,    1440.1,       0.0);
     ( 397050.3, 3821898.4,     965.6,    1440.1,       0.0);         ( 397025.8,
3821899.1,     966.8,    1440.1,       0.0);
     ( 397001.3, 3821899.9,     964.4,    1440.1,       0.0);         ( 396976.7,
3821900.6,     962.2,    1440.1,       0.0);
     ( 396952.2, 3821901.3,     968.9,    1440.1,       0.0);         ( 396927.7,
3821902.0,     977.9,    1440.1,       0.0);
     ( 396903.1, 3821902.7,     988.8,    1440.1,       0.0);         ( 396878.6,
3821903.4,     994.5,    1440.1,       0.0);
     ( 396854.1, 3821904.1,    1001.2,    1440.1,       0.0);         ( 396829.6,
3821904.8,    1009.4,    1440.1,       0.0);
     ( 396805.0, 3821905.5,    1019.0,    1440.1,       0.0);         ( 396780.5,
3821906.2,    1027.9,    1440.1,       0.0);
     ( 396756.0, 3821906.9,    1034.3,    1440.1,       0.0);         ( 396731.4,
3821907.6,    1040.6,    1440.1,       0.0);
     ( 396706.9, 3821908.3,    1048.0,    1440.1,       0.0);         ( 396682.4,
3821909.0,    1054.5,    1440.1,       0.0);
     ( 396657.9, 3821909.7,    1058.7,    1440.1,       0.0);         ( 396633.3,
3821910.4,    1059.5,    1440.1,       0.0);
     ( 396608.8, 3821911.1,    1056.5,    1440.1,       0.0);         ( 396584.3,
3821911.8,    1057.0,    1440.1,       0.0);
     ( 396559.7, 3821912.5,    1065.1,    1440.1,       0.0);         ( 396535.2,
3821913.2,    1073.8,    1440.1,       0.0);
     ( 396510.7, 3821913.9,    1079.4,    1440.1,       0.0);         ( 396486.1,
3821914.6,    1083.3,    1440.1,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                         ***        09:14:47

                                    PAGE 114
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

     ( 396461.6, 3821915.3,    1085.5,    1440.1,       0.0);         ( 396437.1,
3821916.0,    1086.8,    1440.1,       0.0);
     ( 396412.6, 3821916.7,    1092.5,    1440.1,       0.0);         ( 396388.0,
3821917.4,    1094.9,    1440.1,       0.0);
     ( 396363.5, 3821918.1,    1098.0,    1440.1,       0.0);         ( 396339.0,
3821918.8,    1099.5,    1440.1,       0.0);
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     ( 396314.5, 3821919.5,    1099.8,    1440.1,       0.0);         ( 396289.9,
3821920.2,    1098.1,    1440.1,       0.0);
     ( 396265.4, 3821920.9,    1098.8,    1440.1,       0.0);         ( 396240.9,
3821921.6,    1099.4,    1440.1,       0.0);
     ( 396216.3, 3821922.3,    1095.3,    1440.1,       0.0);         ( 396191.8,
3821923.0,    1096.4,    1440.1,       0.0);
     ( 396167.3, 3821923.7,    1102.7,    1440.1,       0.0);         ( 396142.7,
3821924.4,    1109.4,    1440.1,       0.0);
     ( 396118.2, 3821925.1,    1112.8,    1440.1,       0.0);         ( 396093.7,
3821925.8,    1111.3,    1440.1,       0.0);
     ( 396069.1, 3821926.5,    1110.4,    1440.1,       0.0);         ( 396044.6,
3821927.3,    1108.1,    1440.1,       0.0);
     ( 396020.1, 3821928.0,    1112.2,    1440.1,       0.0);         ( 395995.6,
3821928.7,    1121.8,    1440.1,       0.0);
     ( 395971.0, 3821929.4,    1129.9,    1440.1,       0.0);         ( 395946.5,
3821930.1,    1133.6,    1440.1,       0.0);
     ( 395922.0, 3821930.8,    1131.0,    1440.1,       0.0);         ( 395897.5,
3821931.5,    1123.9,    1440.1,       0.0);
     ( 395872.9, 3821932.2,    1114.5,    1440.1,       0.0);         ( 395848.4,
3821932.9,    1110.6,    1440.1,       0.0);
     ( 395823.9, 3821933.6,    1119.0,    1440.1,       0.0);         ( 395799.3,
3821934.3,    1125.7,    1440.1,       0.0);
     ( 395774.8, 3821935.0,    1126.4,    1440.1,       0.0);         ( 395750.3,
3821935.7,    1121.3,    1440.1,       0.0);
     ( 395725.7, 3821936.4,    1122.9,    1440.1,       0.0);         ( 395701.2,
3821937.1,    1125.6,    1440.1,       0.0);
     ( 395676.7, 3821937.8,    1133.7,    1440.1,       0.0);         ( 395652.1,
3821938.5,    1141.8,    1440.1,       0.0);
     ( 395627.6, 3821939.2,    1150.7,    1440.1,       0.0);         ( 395603.1,
3821939.9,    1157.5,    1440.1,       0.0);
     ( 395578.6, 3821940.6,    1164.5,    1440.1,       0.0);         ( 395554.0,
3821941.3,    1169.2,    1440.1,       0.0);
     ( 395529.5, 3821942.0,    1177.6,    1440.1,       0.0);         ( 395505.0,
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     ( 395480.5, 3821943.4,    1199.1,    1401.1,       0.0);         ( 395455.9,
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     ( 395431.4, 3821944.8,    1215.9,    1380.0,       0.0);         ( 395406.9,
3821945.5,    1217.3,    1380.0,       0.0);
     ( 395382.3, 3821946.2,    1218.0,    1380.0,       0.0);         ( 395357.8,
3821946.9,    1221.2,    1380.0,       0.0);
     ( 395333.3, 3821947.6,    1222.9,    1380.0,       0.0);         ( 395308.7,
3821948.3,    1219.6,    1380.0,       0.0);
     ( 395284.2, 3821949.0,    1215.3,    1402.7,       0.0);         ( 395259.7,
3821949.7,    1211.2,    1440.1,       0.0);
     ( 395235.2, 3821950.4,    1208.1,    1440.1,       0.0);         ( 395210.6,
3821951.1,    1210.7,    1440.1,       0.0);
     ( 395186.1, 3821951.8,    1212.9,    1440.1,       0.0);         ( 395161.6,
3821952.5,    1218.1,    1440.1,       0.0);
     ( 395137.0, 3821953.2,    1217.3,    1440.1,       0.0);         ( 395112.5,
3821953.9,    1205.5,    1440.1,       0.0);
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     ( 395088.0, 3821954.7,    1195.2,    1440.1,       0.0);         ( 395063.5,
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     ( 395038.9, 3821956.1,    1217.9,    1440.1,       0.0);         ( 395014.4,
3821956.8,    1230.1,    1440.1,       0.0);
     ( 394989.9, 3821957.5,    1240.1,    1402.7,       0.0);         ( 394965.3,
3821958.2,    1236.7,    1440.1,       0.0);
     ( 394940.8, 3821958.9,    1229.3,    1440.1,       0.0);         ( 394916.3,
3821959.6,    1215.7,    1440.1,       0.0);
     ( 394891.8, 3821960.3,    1207.1,    1440.1,       0.0);         ( 394867.2,
3821961.0,    1211.8,    1440.1,       0.0);
     ( 394842.7, 3821961.7,    1222.6,    1440.1,       0.0);         ( 394818.2,
3821962.4,    1236.1,    1440.1,       0.0);
     ( 394793.6, 3821963.1,    1254.0,    1405.7,       0.0);         ( 394769.1,
3821963.8,    1270.6,    1380.0,       0.0);
     ( 394744.6, 3821964.5,    1284.7,    1380.0,       0.0);         ( 394720.0,
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     ( 394695.5, 3821965.9,    1306.9,    1380.0,       0.0);         ( 394671.0,
3821966.6,    1312.4,    1380.0,       0.0);
     ( 394646.5, 3821967.3,    1313.1,    1380.0,       0.0);         ( 394621.9,
3821968.0,    1309.3,    1380.0,       0.0);
     ( 394597.4, 3821968.7,    1301.0,    1380.0,       0.0);         ( 394572.9,
3821969.4,    1290.3,    1380.0,       0.0);
     ( 394548.3, 3821970.1,    1278.4,    1403.5,       0.0);         ( 394523.8,
3821970.8,    1265.7,    1440.1,       0.0);
     ( 394499.3, 3821971.5,    1256.9,    1440.1,       0.0);         ( 394474.8,
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     ( 400339.3, 3819797.1,    1012.4,    1541.6,       0.0);         ( 400352.5,
3819776.4,    1010.8,    1541.6,       0.0);
     ( 401445.4, 3820527.9,     959.6,    1541.6,       0.0);         ( 401426.4,
3820543.3,     958.4,    1541.6,       0.0);
     ( 401407.3, 3820558.7,     957.2,    1541.6,       0.0);         ( 401388.2,
3820574.1,     956.0,    1541.6,       0.0);
     ( 401369.2, 3820589.5,     954.8,    1541.6,       0.0);         ( 401350.1,
3820604.9,     953.7,    1541.6,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                         ***       09:14:47

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

     ( 401331.1, 3820620.3,     952.5,    1541.6,       0.0);         ( 401312.0,
3820635.7,     951.6,    1541.6,       0.0);
     ( 401292.9, 3820651.1,     950.4,    1541.6,       0.0);         ( 401273.9,
3820666.4,     949.3,    1541.6,       0.0);
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    ( 401254.8, 3820681.8,     947.7,    1541.6,       0.0);         ( 401235.7,
3820697.2,     946.6,    1541.6,       0.0);
    ( 401216.7, 3820712.6,     945.9,    1541.6,       0.0);         ( 401197.6,
3820728.0,     944.5,    1541.6,       0.0);
    ( 401178.5, 3820743.4,     943.6,    1541.6,       0.0);         ( 401159.5,
3820758.8,     942.7,    1541.6,       0.0);
    ( 401140.4, 3820774.2,     942.2,    1541.6,       0.0);         ( 401121.4,
3820789.6,     941.5,    1541.6,       0.0);
    ( 401102.3, 3820804.9,     939.6,    1541.6,       0.0);         ( 401083.2,
3820820.3,     937.5,    1541.6,       0.0);
    ( 401064.2, 3820835.7,     935.9,    1541.6,       0.0);         ( 401045.1,
3820851.1,     937.1,    1541.6,       0.0);
    ( 401026.0, 3820866.5,     936.5,    1541.6,       0.0);         ( 401007.0,
3820881.9,     935.1,    1541.6,       0.0);
    ( 400987.9, 3820897.3,     931.2,    1541.6,       0.0);         ( 400968.9,
3820912.7,     931.1,    1541.6,       0.0);
    ( 400949.8, 3820928.1,     930.0,    1541.6,       0.0);         ( 400930.7,
3820943.5,     931.5,    1541.6,       0.0);
    ( 400911.7, 3820958.8,     929.3,    1541.6,       0.0);         ( 400892.6,
3820974.2,     928.6,    1541.6,       0.0);
    ( 400873.5, 3820989.6,     923.8,    1541.6,       0.0);         ( 400854.5,
3821005.0,     920.3,    1541.6,       0.0);
    ( 400835.4, 3821020.4,     917.8,    1541.6,       0.0);         ( 400816.3,
3821035.8,     915.5,    1541.6,       0.0);
    ( 400797.3, 3821051.2,     917.4,    1541.6,       0.0);         ( 400778.2,
3821066.6,     918.4,    1541.6,       0.0);
    ( 400759.2, 3821082.0,     919.7,    1541.6,       0.0);         ( 400740.1,
3821097.4,     921.4,    1277.1,       0.0);
    ( 400721.0, 3821112.8,     923.6,    1277.1,       0.0);         ( 400702.0,
3821128.1,     924.0,    1277.1,       0.0);
    ( 400682.9, 3821143.5,     923.5,    1277.1,       0.0);         ( 400663.8,
3821158.9,     924.1,    1277.1,       0.0);
    ( 400644.8, 3821174.3,     924.0,    1277.1,       0.0);         ( 400625.7,
3821189.7,     924.8,    1277.1,       0.0);
    ( 400606.7, 3821205.1,     925.8,    1277.1,       0.0);         ( 400587.6,
3821220.5,     925.1,    1277.1,       0.0);
    ( 400568.5, 3821235.9,     925.4,    1277.1,       0.0);         ( 400549.5,
3821251.2,     925.6,    1277.1,       0.0);
    ( 400530.4, 3821266.6,     925.4,    1277.1,       0.0);         ( 400511.3,
3821282.0,     926.6,    1277.1,       0.0);
    ( 400492.3, 3821297.4,     926.5,    1277.1,       0.0);         ( 400473.2,
3821312.8,     925.5,    1277.1,       0.0);
    ( 400454.1, 3821328.2,     924.0,    1277.1,       0.0);         ( 400435.1,
3821343.6,     922.1,    1277.1,       0.0);
    ( 400416.0, 3821359.0,     920.2,    1277.1,       0.0);         ( 400397.0,
3821374.4,     918.1,    1277.1,       0.0);
    ( 400377.9, 3821389.8,     916.1,    1277.1,       0.0);         ( 400358.8,
3821405.1,     914.9,    1277.1,       0.0);
    ( 400339.8, 3821420.5,     914.0,    1277.1,       0.0);         ( 400320.7,
3821435.9,     914.3,    1277.1,       0.0);
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(400301.6, 3821451.3, 915.1, 1277.1, 0.0); (400282.6, 3821466.7, 916.8, 1277.1, 0.0);
(400263.5, 3821482.1, 921.0, 1277.1, 0.0); (400244.5, 3821497.5, 918.5, 1277.1, 0.0);
(400225.4, 3821512.9, 917.3, 1277.1, 0.0); (400206.3, 3821528.3, 918.5, 1277.1, 0.0);
(400187.3, 3821543.6, 922.6, 1277.1, 0.0); (400168.2, 3821559.0, 924.2, 1277.1, 0.0);
(400149.1, 3821574.4, 926.9, 1270.7, 0.0); (400130.1, 3821589.8, 926.3, 1270.7, 0.0);
(400111.0, 3821605.2, 923.5, 1276.2, 0.0); (400092.0, 3821620.6, 922.1, 1276.2, 0.0);
(400072.9, 3821636.0, 920.4, 1277.1, 0.0); (400053.8, 3821651.4, 921.2, 1276.2, 0.0);
(400034.8, 3821666.8, 922.8, 1270.4, 0.0); (400015.7, 3821682.2, 922.4, 1270.4, 0.0);
(399996.6, 3821697.5, 922.5, 1270.4, 0.0); (399977.6, 3821712.9, 922.1, 1270.4, 0.0);
(399958.5, 3821728.3, 920.4, 1270.4, 0.0); (399939.4, 3821743.7, 924.4, 926.9, 0.0);
(399920.4, 3821759.1, 923.2, 926.9, 0.0); (399901.3, 3821774.5, 916.6, 1270.4, 0.0);
(399882.2, 3821789.9, 912.4, 1276.2, 0.0); (399863.2, 3821805.3, 911.2, 1276.2, 0.0);
(399844.1, 3821820.7, 911.4, 1270.7, 0.0); (399825.1, 3821836.1, 911.0, 1270.4, 0.0);
(399806.0, 3821851.4, 910.6, 1270.4, 0.0); (399786.9, 3821866.8, 911.0, 1270.4, 0.0);
(399767.9, 3821882.2, 911.2, 920.6, 0.0); (399748.8, 3821897.6, 912.1, 912.1, 0.0);
(399729.8, 3821913.0, 912.5, 912.5, 0.0); (399710.7, 3821928.4, 913.4, 913.4, 0.0);
(399691.6, 3821943.8, 914.1, 914.1, 0.0); (399672.6, 3821959.2, 914.9, 914.9, 0.0);
(399653.5, 3821974.6, 913.6, 918.1, 0.0); (399634.4, 3821989.9, 910.2, 918.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(399615.4, 3822005.3, 911.4, 918.1, 0.0); (399596.3, 3822020.7, 913.4, 913.4, 0.0);

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    ( 399577.2, 3822036.1,     913.6,     914.0,       0.0);         ( 399558.2,
3822051.5,     909.0,     914.3,       0.0);
    ( 399539.1, 3822066.9,     904.3,     914.3,       0.0);         ( 399520.0,
3822082.3,     900.4,     928.5,       0.0);
    ( 399501.0, 3822097.7,     898.4,     928.5,       0.0);         ( 399481.9,
3822113.1,     898.9,     928.5,       0.0);
    ( 399462.9, 3822128.5,     898.1,     928.5,       0.0);         ( 399443.8,
3822143.8,     894.5,     928.5,       0.0);
    ( 399424.7, 3822159.2,     891.7,    1380.0,       0.0);         ( 399405.7,
3822174.6,     888.4,    1380.0,       0.0);
    ( 399386.6, 3822190.0,     886.7,    1380.0,       0.0);         ( 399367.5,
3822205.4,     886.1,    1380.0,       0.0);
    ( 399348.5, 3822220.8,     885.2,    1380.0,       0.0);         ( 399329.4,
3822236.2,     884.3,    1380.0,       0.0);
    ( 399310.4, 3822251.6,     883.3,    1380.0,       0.0);         ( 399291.3,
3822267.0,     882.5,    1380.0,       0.0);
    ( 399272.2, 3822282.3,     881.7,    1380.0,       0.0);         ( 399253.2,
3822297.7,     880.9,    1380.0,       0.0);
    ( 399234.1, 3822313.1,     880.4,    1380.0,       0.0);         ( 399215.0,
3822328.5,     879.8,    1380.0,       0.0);
    ( 399196.0, 3822343.9,     879.5,    1380.0,       0.0);         ( 399176.9,
3822359.3,     880.0,    1380.0,       0.0);
    ( 399157.8, 3822374.7,     878.3,    1380.0,       0.0);         ( 399138.8,
3822390.1,     877.4,    1380.0,       0.0);
    ( 399119.7, 3822405.5,     876.5,    1380.0,       0.0);         ( 399100.7,
3822420.9,     876.6,    1380.0,       0.0);
    ( 399081.6, 3822436.2,     878.0,    1380.0,       0.0);         ( 399062.5,
3822451.6,     877.4,    1380.0,       0.0);
    ( 399043.5, 3822467.0,     874.9,    1380.0,       0.0);         ( 399024.4,
3822482.4,     873.5,    1380.0,       0.0);
    ( 399005.3, 3822497.8,     873.4,    1380.0,       0.0);         ( 398986.3,
3822513.2,     874.4,    1380.0,       0.0);
    ( 398967.2, 3822528.6,     874.0,    1380.0,       0.0);         ( 398948.2,
3822544.0,     872.1,    1380.0,       0.0);
    ( 398929.1, 3822559.4,     872.2,    1380.0,       0.0);         ( 398910.0,
3822574.8,     873.9,    1380.0,       0.0);
    ( 398891.0, 3822590.1,     874.8,    1380.0,       0.0);         ( 398871.9,
3822605.5,     874.3,    1380.0,       0.0);
    ( 398852.8, 3822620.9,     872.9,    1380.0,       0.0);         ( 398833.8,
3822636.3,     871.5,    1380.0,       0.0);
    ( 398814.7, 3822651.7,     870.7,    1380.0,       0.0);         ( 398795.6,
3822667.1,     870.5,    1380.0,       0.0);
    ( 398776.6, 3822682.5,     870.0,    1380.0,       0.0);         ( 398757.5,
3822697.9,     869.7,    1380.0,       0.0);
    ( 398738.5, 3822713.3,     869.8,    1380.0,       0.0);         ( 398719.4,
3822728.6,     868.3,    1401.1,       0.0);
    ( 398700.3, 3822744.0,     865.2,    1402.7,       0.0);         ( 398681.3,
3822759.4,     863.6,    1402.7,       0.0);
    ( 398662.2, 3822774.8,     863.0,    1440.1,       0.0);         ( 398643.1,
3822790.2,     862.7,    1440.1,       0.0);
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     ( 398624.1, 3822805.6,     862.5,    1440.1,       0.0);         ( 398605.0,
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     ( 398586.0, 3822836.4,     861.9,    1440.1,       0.0);         ( 398566.9,
3822851.8,     861.6,    1440.1,       0.0);
     ( 398547.8, 3822867.2,     861.5,    1440.1,       0.0);         ( 398528.8,
3822882.5,     861.2,    1440.1,       0.0);
     ( 398509.7, 3822897.9,     860.8,    1440.1,       0.0);         ( 398490.6,
3822913.3,     860.6,    1440.1,       0.0);
     ( 398471.6, 3822928.7,     860.4,    1440.1,       0.0);         ( 398452.5,
3822944.1,     860.1,    1440.1,       0.0);
     ( 398433.5, 3822959.5,     860.1,    1440.1,       0.0);         ( 398414.4,
3822974.9,     860.3,    1440.1,       0.0);
     ( 398395.3, 3822990.3,     859.8,    1440.1,       0.0);         ( 398376.3,
3823005.7,     859.7,    1440.1,       0.0);
     ( 398357.2, 3823021.0,     859.9,    1440.1,       0.0);         ( 398338.1,
3823036.4,     860.1,    1440.1,       0.0);
     ( 398319.1, 3823051.8,     859.9,    1440.1,       0.0);         ( 398300.0,
3823067.2,     860.2,    1440.1,       0.0);
     ( 398280.9, 3823082.6,     860.6,    1440.1,       0.0);         ( 398261.9,
3823098.0,     860.9,    1440.1,       0.0);
     ( 398242.8, 3823113.4,     860.9,    1440.1,       0.0);         ( 398199.3,
3823129.5,     861.7,    1440.1,       0.0);
     ( 398174.8, 3823130.2,     862.2,    1440.1,       0.0);         ( 398150.3,
3823130.9,     862.6,    1440.1,       0.0);
     ( 398125.8, 3823131.6,     863.2,    1440.1,       0.0);         ( 398101.3,
3823132.3,     863.8,    1440.1,       0.0);
     ( 398076.8, 3823133.0,     864.3,    1440.1,       0.0);         ( 398052.3,
3823133.7,     864.8,    1440.1,       0.0);
     ( 398027.8, 3823134.4,     865.3,    1440.1,       0.0);         ( 398003.3,
3823135.1,     865.7,    1440.1,       0.0);
     ( 397978.9, 3823135.8,     866.1,    1440.1,       0.0);         ( 397954.4,
3823136.5,     866.5,    1440.1,       0.0);
     ( 397929.9, 3823137.2,     866.9,    1440.1,       0.0);         ( 397905.4,
3823137.9,     867.2,    1440.1,       0.0);
     ( 397880.9, 3823138.6,     867.6,    1440.1,       0.0);         ( 397856.4,
3823139.3,     868.2,    1440.1,       0.0);
     ( 397831.9, 3823140.0,     868.2,    1440.1,       0.0);         ( 397807.4,
3823140.7,     868.4,    1440.1,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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     ( 397782.9, 3823141.4,     868.7,    1440.1,       0.0);         ( 397758.5,
3823142.1,     868.8,    1440.1,       0.0);
     ( 397734.0, 3823142.8,     868.9,    1440.1,       0.0);         ( 397709.5,
3823143.5,     869.0,    1440.1,       0.0);
     ( 397685.0, 3823144.2,     868.5,    1440.1,       0.0);         ( 397660.5,
3823144.9,     868.6,    1440.1,       0.0);
     ( 397636.0, 3823145.6,     868.5,    1440.1,       0.0);         ( 397611.5,
3823146.3,     868.4,    1440.1,       0.0);
     ( 397587.0, 3823147.0,     868.2,    1440.1,       0.0);         ( 397562.5,
3823147.7,     867.2,    1440.1,       0.0);
     ( 397538.0, 3823148.4,     868.1,    1440.1,       0.0);         ( 397513.5,
3823149.1,     869.1,    1440.1,       0.0);
     ( 397489.1, 3823149.8,     868.7,    1440.1,       0.0);         ( 397464.6,
3823150.5,     868.6,    1440.1,       0.0);
     ( 397440.1, 3823151.2,     868.3,    1440.1,       0.0);         ( 397415.6,
3823151.9,     867.9,    1440.1,       0.0);
     ( 397391.1, 3823152.6,     868.1,    1440.1,       0.0);         ( 397366.6,
3823153.3,     867.7,    1440.1,       0.0);
     ( 397342.1, 3823154.0,     867.3,    1440.1,       0.0);         ( 397317.6,
3823154.7,     867.2,    1440.1,       0.0);
     ( 397293.1, 3823155.4,     868.5,    1440.1,       0.0);         ( 397268.6,
3823156.1,     868.7,    1440.1,       0.0);
     ( 397244.2, 3823156.8,     868.1,    1440.1,       0.0);         ( 397219.7,
3823157.5,     868.7,    1440.1,       0.0);
     ( 397195.2, 3823158.2,     869.4,    1440.1,       0.0);         ( 397170.7,
3823158.9,     870.1,    1440.1,       0.0);
     ( 397146.2, 3823159.6,     870.5,    1440.1,       0.0);         ( 397121.7,
3823160.3,     870.6,    1440.1,       0.0);
     ( 397097.2, 3823161.0,     873.5,    1440.1,       0.0);         ( 397072.7,
3823161.8,     874.4,    1440.1,       0.0);
     ( 397048.2, 3823162.4,     875.8,    1440.1,       0.0);         ( 397023.8,
3823163.1,     877.5,    1440.1,       0.0);
     ( 396999.3, 3823163.8,     878.3,    1440.1,       0.0);         ( 396974.8,
3823164.5,     878.9,    1440.1,       0.0);
     ( 396950.3, 3823165.3,     880.0,    1440.1,       0.0);         ( 396925.8,
3823166.0,     881.1,    1440.1,       0.0);
     ( 396901.3, 3823166.7,     882.4,    1440.1,       0.0);         ( 396876.8,
3823167.4,     883.5,    1440.1,       0.0);
     ( 396852.3, 3823168.1,     885.5,    1440.1,       0.0);         ( 396827.8,
3823168.8,     887.6,    1440.1,       0.0);
     ( 396803.3, 3823169.5,     887.3,    1440.1,       0.0);         ( 396778.8,
3823170.2,     886.7,    1440.1,       0.0);
     ( 396754.4, 3823170.9,     886.9,    1440.1,       0.0);         ( 396729.9,
3823171.6,     888.7,    1440.1,       0.0);
     ( 396705.4, 3823172.3,     891.2,    1440.1,       0.0);         ( 396680.9,
3823173.0,     892.2,    1440.1,       0.0);
     ( 396656.4, 3823173.7,     893.4,    1440.1,       0.0);         ( 396631.9,
3823174.4,     894.5,    1440.1,       0.0);
     ( 396607.4, 3823175.1,     896.0,    1440.1,       0.0);         ( 396582.9,
3823175.8,     897.8,    1440.1,       0.0);
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     ( 396558.4, 3823176.5,     899.6,    1440.1,       0.0);         ( 396534.0,
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     ( 396509.5, 3823177.9,     903.5,    1440.1,       0.0);         ( 396485.0,
3823178.6,     903.4,    1440.1,       0.0);
     ( 396460.5, 3823179.3,     903.0,    1440.1,       0.0);         ( 396436.0,
3823180.0,     903.1,    1440.1,       0.0);
     ( 396411.5, 3823180.7,     901.0,    1440.1,       0.0);         ( 396387.0,
3823181.4,     899.2,    1440.1,       0.0);
     ( 396362.5, 3823182.1,     899.0,    1440.1,       0.0);         ( 396338.0,
3823182.8,     902.7,    1440.1,       0.0);
     ( 396313.5, 3823183.5,     909.4,    1440.1,       0.0);         ( 396289.1,
3823184.2,     913.3,    1440.1,       0.0);
     ( 396264.6, 3823184.9,     914.2,    1440.1,       0.0);         ( 396240.1,
3823185.6,     915.4,    1440.1,       0.0);
     ( 396215.6, 3823186.3,     916.5,    1440.1,       0.0);         ( 396191.1,
3823187.0,     916.8,    1440.1,       0.0);
     ( 396166.6, 3823187.7,     917.3,    1440.1,       0.0);         ( 396142.1,
3823188.4,     918.2,    1440.1,       0.0);
     ( 396117.6, 3823189.1,     919.1,    1440.1,       0.0);         ( 396093.1,
3823189.8,     920.3,    1440.1,       0.0);
     ( 396068.6, 3823190.5,     922.0,    1440.1,       0.0);         ( 396044.2,
3823191.2,     925.2,    1440.1,       0.0);
     ( 396019.7, 3823191.9,     925.3,    1440.1,       0.0);         ( 395995.2,
3823192.6,     926.1,    1440.1,       0.0);
     ( 395970.7, 3823193.3,     928.3,    1440.1,       0.0);         ( 395946.2,
3823194.0,     930.8,    1440.1,       0.0);
     ( 395921.7, 3823194.7,     930.5,    1440.1,       0.0);         ( 395897.2,
3823195.4,     927.3,    1440.1,       0.0);
     ( 395872.7, 3823196.1,     931.9,    1440.1,       0.0);         ( 395848.2,
3823196.8,     932.8,    1440.1,       0.0);
     ( 395823.8, 3823197.5,     937.3,    1440.1,       0.0);         ( 395799.3,
3823198.2,     941.4,    1440.1,       0.0);
     ( 395774.8, 3823198.9,     940.8,    1440.1,       0.0);         ( 395750.3,
3823199.6,     941.8,    1440.1,       0.0);
     ( 395725.8, 3823200.3,     942.1,    1440.1,       0.0);         ( 395701.3,
3823201.0,     941.6,    1440.1,       0.0);
     ( 395676.8, 3823201.7,     941.5,    1440.1,       0.0);         ( 395652.3,
3823202.4,     943.5,    1440.1,       0.0);
     ( 395627.8, 3823203.1,     945.2,    1440.1,       0.0);         ( 395603.3,
3823203.8,     947.9,    1440.1,       0.0);
↟ *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

(METERS)

(395578.8, 3823204.5, 953.6, 1440.1, 0.0); (395554.4, 3823205.2, 956.6, 1440.1, 0.0);
(395529.9, 3823205.9, 955.3, 1440.1, 0.0); (395505.4, 3823206.6, 954.7, 1440.1, 0.0);
(395480.9, 3823207.3, 954.3, 1440.1, 0.0); (395456.4, 3823208.0, 952.4, 1440.1, 0.0);
(395431.9, 3823208.7, 952.6, 1440.1, 0.0); (395407.4, 3823209.4, 953.8, 1440.1, 0.0);
(395382.9, 3823210.1, 955.5, 1440.1, 0.0); (395358.4, 3823210.8, 956.0, 1440.1, 0.0);
(395334.0, 3823211.5, 956.9, 1440.1, 0.0); (395309.5, 3823212.2, 956.8, 1440.1, 0.0);
(395285.0, 3823212.9, 955.9, 1440.1, 0.0); (395260.5, 3823213.6, 958.2, 1440.1, 0.0);
(395236.0, 3823214.4, 958.4, 1440.1, 0.0); (395211.5, 3823215.1, 960.3, 1440.1, 0.0);
(395187.0, 3823215.8, 960.7, 1440.1, 0.0); (395162.5, 3823216.5, 960.7, 1440.1, 0.0);
(395138.0, 3823217.2, 961.7, 1440.1, 0.0); (395113.5, 3823217.9, 964.4, 1440.1, 0.0);
(395089.0, 3823218.6, 967.9, 1440.1, 0.0); (395064.6, 3823219.3, 969.7, 1440.1, 0.0);
(395040.1, 3823220.0, 971.3, 1440.1, 0.0); (395015.6, 3823220.7, 972.7, 1440.1, 0.0);
(394991.1, 3823221.4, 973.9, 1440.1, 0.0); (394966.6, 3823222.1, 974.9, 1440.1, 0.0);
(394942.1, 3823222.8, 975.2, 1440.1, 0.0); (394917.6, 3823223.5, 975.7, 1440.1, 0.0);
(394893.1, 3823224.2, 977.3, 1440.1, 0.0); (394868.6, 3823224.9, 980.2, 1440.1, 0.0);
(394844.2, 3823225.6, 981.6, 1440.1, 0.0); (394819.7, 3823226.3, 982.0, 1440.1, 0.0);
(394795.2, 3823227.0, 981.1, 1440.1, 0.0); (394770.7, 3823227.7, 981.8, 1440.1, 0.0);
(394746.2, 3823228.4, 985.8, 1440.1, 0.0); (394721.7, 3823229.1, 989.7, 1440.1, 0.0);
(394697.2, 3823229.8, 989.2, 1440.1, 0.0); (394672.7, 3823230.5, 988.6, 1440.1, 0.0);
(394648.2, 3823231.2, 985.6, 1440.1, 0.0); (394623.8, 3823231.9, 983.4, 1440.1, 0.0);
(394599.3, 3823232.6, 982.9, 1440.1, 0.0); (394574.8, 3823233.3, 983.4, 1525.3, 0.0);
(394550.3, 3823234.0, 985.5, 1525.3, 0.0); (394525.8, 3823234.7, 989.9, 1440.1, 0.0);
(394501.3, 3823235.4, 991.2, 1525.3, 0.0); (394476.8, 3823236.1, 993.0, 1525.3, 0.0);
(394452.3, 3823236.8, 996.3, 1525.3, 0.0); (394427.8, 3823237.5, 999.8, 1440.1, 0.0);

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     ( 394403.3, 3823238.2,    1003.5,    1440.1,       0.0);         ( 394378.8,
3823238.9,    1007.8,    1440.1,       0.0);
     ( 394354.4, 3823239.6,    1013.2,    1440.1,       0.0);         ( 394329.9,
3823240.3,    1018.2,    1440.1,       0.0);
     ( 394305.4, 3823241.0,    1020.4,    1440.1,       0.0);         ( 394280.9,
3823241.7,    1022.3,    1440.1,       0.0);
     ( 394256.4, 3823242.4,    1025.5,    1440.1,       0.0);         ( 394231.9,
3823243.1,    1025.9,    1440.1,       0.0);
     ( 394207.4, 3823243.8,    1025.5,    1440.1,       0.0);         ( 394182.9,
3823244.5,    1023.5,    1440.1,       0.0);
     ( 394158.4, 3823245.2,    1021.1,    1526.2,       0.0);         ( 394134.0,
3823245.9,    1018.9,    1530.3,       0.0);
     ( 394109.5, 3823246.6,    1021.0,    1530.3,       0.0);         ( 394085.0,
3823247.3,    1028.2,    1526.2,       0.0);
     ( 401464.5, 3820512.5,     960.8,    1541.6,       0.0);         ( 401477.7,
3820491.8,     962.0,    1541.6,       0.0);
     ( 402570.5, 3821243.4,     928.3,    1541.6,       0.0);         ( 402551.4,
3821258.9,     927.9,    1541.6,       0.0);
     ( 402532.2, 3821274.3,     927.8,    1541.6,       0.0);         ( 402513.1,
3821289.8,     926.1,    1541.6,       0.0);
     ( 402494.0, 3821305.2,     925.4,    1541.6,       0.0);         ( 402474.8,
3821320.7,     924.8,    1541.6,       0.0);
     ( 402455.7, 3821336.1,     923.5,    1541.6,       0.0);         ( 402436.6,
3821351.5,     923.4,    1541.6,       0.0);
     ( 402417.4, 3821367.0,     922.3,    1541.6,       0.0);         ( 402398.3,
3821382.4,     920.3,    1541.6,       0.0);
     ( 402379.1, 3821397.9,     917.1,    1541.6,       0.0);         ( 402360.0,
3821413.3,     915.1,    1541.6,       0.0);
     ( 402340.9, 3821428.8,     914.2,    1541.6,       0.0);         ( 402321.7,
3821444.2,     913.4,    1541.6,       0.0);
     ( 402302.6, 3821459.7,     913.5,    1541.6,       0.0);         ( 402283.5,
3821475.1,     910.4,    1541.6,       0.0);
     ( 402264.3, 3821490.6,     908.8,    1541.6,       0.0);         ( 402245.2,
3821506.0,     907.4,    1541.6,       0.0);
     ( 402226.1, 3821521.5,     906.4,    1541.6,       0.0);         ( 402206.9,
3821536.9,     905.1,    1541.6,       0.0);
     ( 402187.8, 3821552.4,     904.1,    1541.6,       0.0);         ( 402168.6,
3821567.8,     902.9,    1541.6,       0.0);
     ( 402149.5, 3821583.3,     901.7,    1541.6,       0.0);         ( 402130.4,
3821598.7,     902.7,    1541.6,       0.0);
     ( 402111.2, 3821614.2,     902.7,    1541.6,       0.0);         ( 402092.1,
3821629.6,     899.9,    1541.6,       0.0);
↟ *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(402073.0, 3821645.1, 898.6, 1541.6, 0.0); (402053.8, 3821660.5, 900.0, 1541.6, 0.0);
(402034.7, 3821676.0, 899.7, 1541.6, 0.0); (402015.6, 3821691.4, 896.8, 1541.6, 0.0);
(401996.4, 3821706.9, 894.2, 1541.6, 0.0); (401977.3, 3821722.3, 893.1, 1541.6, 0.0);
(401958.1, 3821737.8, 892.5, 1541.6, 0.0); (401939.0, 3821753.2, 893.9, 1541.6, 0.0);
(401919.9, 3821768.7, 892.9, 1541.6, 0.0); (401900.7, 3821784.1, 889.6, 1541.6, 0.0);
(401881.6, 3821799.6, 890.5, 1541.6, 0.0); (401862.5, 3821815.0, 888.6, 1541.6, 0.0);
(401843.3, 3821830.5, 885.1, 1541.6, 0.0); (401824.2, 3821845.9, 881.6, 1541.6, 0.0);
(401805.1, 3821861.4, 880.0, 1541.6, 0.0); (401785.9, 3821876.8, 878.3, 1541.6, 0.0);
(401766.8, 3821892.3, 876.1, 1541.6, 0.0); (401747.6, 3821907.7, 876.7, 1541.6, 0.0);
(401728.5, 3821923.1, 877.1, 916.6, 0.0); (401709.4, 3821938.6, 878.6, 916.6, 0.0);
(401690.2, 3821954.0, 880.0, 904.9, 0.0); (401671.1, 3821969.5, 881.7, 904.9, 0.0);
(401652.0, 3821984.9, 883.9, 904.9, 0.0); (401632.8, 3822000.4, 889.3, 904.9, 0.0);
(401613.7, 3822015.8, 893.4, 904.9, 0.0); (401594.6, 3822031.3, 896.8, 904.9, 0.0);
(401575.4, 3822046.7, 898.5, 903.4, 0.0); (401556.3, 3822062.2, 897.0, 903.4, 0.0);
(401537.1, 3822077.6, 895.0, 903.4, 0.0); (401518.0, 3822093.1, 894.4, 903.4, 0.0);
(401498.9, 3822108.5, 894.3, 894.3, 0.0); (401479.7, 3822124.0, 893.9, 893.9, 0.0);
(401460.6, 3822139.4, 893.9, 893.9, 0.0); (401441.5, 3822154.9, 894.1, 894.1, 0.0);
(401422.3, 3822170.3, 893.8, 893.8, 0.0); (401403.2, 3822185.8, 895.1, 900.0, 0.0);
(401384.1, 3822201.2, 896.9, 896.9, 0.0); (401364.9, 3822216.7, 898.9, 898.9, 0.0);
(401345.8, 3822232.1, 899.1, 899.1, 0.0); (401326.6, 3822247.6, 897.3, 897.3, 0.0);
(401307.5, 3822263.0, 895.8, 895.8, 0.0); (401288.4, 3822278.5, 894.7, 894.7, 0.0);
(401269.2, 3822293.9, 894.6, 894.6, 0.0); (401250.1, 3822309.4, 893.7, 893.7, 0.0);
(401231.0, 3822324.8, 893.4, 893.4, 0.0); (401211.8, 3822340.3, 893.9, 893.9, 0.0);

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     ( 401192.7, 3822355.7,     892.8,     892.8,       0.0);         ( 401173.6,
3822371.2,     892.1,     892.1,       0.0);
     ( 401154.4, 3822386.6,     891.5,     891.5,       0.0);         ( 401135.3,
3822402.1,     891.0,     891.0,       0.0);
     ( 401116.1, 3822417.5,     890.8,     890.8,       0.0);         ( 401097.0,
3822433.0,     890.1,     890.1,       0.0);
     ( 401077.9, 3822448.4,     888.6,     888.6,       0.0);         ( 401058.7,
3822463.8,     887.3,     887.3,       0.0);
     ( 401039.6, 3822479.3,     886.4,     886.4,       0.0);         ( 401020.5,
3822494.8,     885.3,     888.1,       0.0);
     ( 401001.3, 3822510.2,     884.9,     889.1,       0.0);         ( 400982.2,
3822525.6,     883.8,     889.1,       0.0);
     ( 400963.1, 3822541.1,     881.4,     889.3,       0.0);         ( 400943.9,
3822556.5,     879.3,     889.3,       0.0);
     ( 400924.8, 3822572.0,     879.4,     889.3,       0.0);         ( 400905.6,
3822587.4,     878.2,     889.3,       0.0);
     ( 400886.5, 3822602.9,     878.0,     878.0,       0.0);         ( 400867.4,
3822618.3,     877.2,     879.0,       0.0);
     ( 400848.2, 3822633.8,     873.8,     879.0,       0.0);         ( 400829.1,
3822649.2,     872.6,     879.0,       0.0);
     ( 400810.0, 3822664.7,     872.8,     872.8,       0.0);         ( 400790.8,
3822680.1,     873.1,     873.1,       0.0);
     ( 400771.7, 3822695.6,     873.8,     873.8,       0.0);         ( 400752.6,
3822711.0,     875.0,     875.0,       0.0);
     ( 400733.4, 3822726.5,     876.3,     876.3,       0.0);         ( 400714.3,
3822741.9,     877.7,     877.7,       0.0);
     ( 400695.1, 3822757.4,     879.4,     879.4,       0.0);         ( 400676.0,
3822772.8,     879.5,     879.5,       0.0);
     ( 400656.9, 3822788.3,     878.5,     878.5,       0.0);         ( 400637.7,
3822803.7,     877.4,     877.4,       0.0);
     ( 400618.6, 3822819.2,     876.1,     876.1,       0.0);         ( 400599.5,
3822834.6,     874.9,     874.9,       0.0);
     ( 400580.3, 3822850.1,     874.1,     874.1,       0.0);         ( 400561.2,
3822865.5,     874.0,     874.0,       0.0);
     ( 400542.1, 3822881.0,     874.0,     874.0,       0.0);         ( 400522.9,
3822896.4,     873.8,     873.8,       0.0);
     ( 400503.8, 3822911.9,     873.4,     873.4,       0.0);         ( 400484.6,
3822927.3,     873.2,     873.2,       0.0);
     ( 400465.5, 3822942.8,     873.8,     873.8,       0.0);         ( 400446.4,
3822958.2,     873.7,     873.7,       0.0);
     ( 400427.2, 3822973.7,     873.1,     873.1,       0.0);         ( 400408.1,
3822989.1,     874.3,     874.3,       0.0);
     ( 400389.0, 3823004.6,     873.8,     876.2,       0.0);         ( 400369.8,
3823020.0,     871.7,     876.2,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                       ***       09:14:47
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(400350.7, 3823035.4, 868.4, 876.2, 0.0); (400331.6, 3823050.9, 866.3, 876.2, 0.0);
(400312.4, 3823066.3, 864.9, 876.2, 0.0); (400293.3, 3823081.8, 863.2, 874.2, 0.0);
(400274.1, 3823097.2, 862.1, 874.2, 0.0); (400255.0, 3823112.7, 860.6, 874.2, 0.0);
(400235.9, 3823128.1, 859.7, 872.4, 0.0); (400216.7, 3823143.6, 858.5, 869.0, 0.0);
(400197.6, 3823159.0, 857.5, 863.3, 0.0); (400178.5, 3823174.5, 857.0, 859.7, 0.0);
(400159.3, 3823189.9, 858.5, 858.5, 0.0); (400140.2, 3823205.4, 857.2, 859.1, 0.0);
(400121.1, 3823220.8, 854.0, 859.1, 0.0); (400101.9, 3823236.3, 852.0, 859.1, 0.0);
(400082.8, 3823251.7, 848.4, 859.7, 0.0); (400063.6, 3823267.2, 846.5, 859.7, 0.0);
(400044.5, 3823282.6, 845.2, 859.1, 0.0); (400025.4, 3823298.1, 843.6, 843.6, 0.0);
(400006.2, 3823313.5, 842.5, 842.5, 0.0); (399987.1, 3823329.0, 841.2, 841.2, 0.0);
(399968.0, 3823344.4, 840.1, 840.1, 0.0); (399948.8, 3823359.9, 839.2, 865.9, 0.0);
(399929.7, 3823375.3, 838.7, 865.9, 0.0); (399910.6, 3823390.8, 838.6, 865.9, 0.0);
(399891.4, 3823406.2, 839.4, 865.9, 0.0); (399872.3, 3823421.7, 841.8, 865.9, 0.0);
(399853.1, 3823437.1, 842.2, 865.9, 0.0); (399834.0, 3823452.6, 842.8, 865.9, 0.0);
(399814.9, 3823468.0, 844.7, 865.9, 0.0); (399795.7, 3823483.5, 848.1, 865.9, 0.0);
(399776.6, 3823498.9, 854.8, 865.9, 0.0); (399757.5, 3823514.4, 861.3, 865.9, 0.0);
(399738.3, 3823529.8, 862.8, 865.5, 0.0); (399719.2, 3823545.3, 859.4, 865.5, 0.0);
(399700.1, 3823560.7, 854.6, 865.9, 0.0); (399680.9, 3823576.2, 853.6, 865.9, 0.0);
(399661.8, 3823591.6, 853.7, 865.5, 0.0); (399642.6, 3823607.0, 854.1, 856.9, 0.0);
(399623.5, 3823622.5, 855.4, 856.9, 0.0); (399604.4, 3823637.9, 855.3, 855.3, 0.0);
(399585.2, 3823653.4, 852.6, 855.8, 0.0); (399566.1, 3823668.8, 850.5, 855.8, 0.0);
(399547.0, 3823684.3, 849.6, 849.6, 0.0); (399527.8, 3823699.7, 848.5, 848.5, 0.0);

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     ( 399508.7, 3823715.2,     848.3,     848.3,       0.0);         ( 399489.6,
3823730.6,     848.4,     848.4,       0.0);
     ( 399470.4, 3823746.1,     847.2,    1378.0,       0.0);         ( 399451.3,
3823761.5,     845.5,    1380.0,       0.0);
     ( 399432.1, 3823777.0,     845.0,    1380.0,       0.0);         ( 399413.0,
3823792.4,     844.5,    1380.0,       0.0);
     ( 399393.9, 3823807.9,     844.0,    1380.0,       0.0);         ( 399374.7,
3823823.3,     843.8,    1380.0,       0.0);
     ( 399355.6, 3823838.8,     844.0,    1380.0,       0.0);         ( 399336.5,
3823854.2,     844.0,    1380.0,       0.0);
     ( 399317.3, 3823869.7,     843.2,    1380.0,       0.0);         ( 399298.2,
3823885.1,     844.2,    1380.0,       0.0);
     ( 399279.1, 3823900.6,     844.4,    1380.0,       0.0);         ( 399259.9,
3823916.0,     844.2,    1380.0,       0.0);
     ( 399240.8, 3823931.5,     843.6,    1380.0,       0.0);         ( 399221.6,
3823946.9,     842.7,    1380.0,       0.0);
     ( 399202.5, 3823962.4,     843.3,    1380.0,       0.0);         ( 399183.4,
3823977.8,     843.6,    1380.0,       0.0);
     ( 399164.2, 3823993.3,     844.5,    1380.0,       0.0);         ( 399145.1,
3824008.7,     845.8,    1380.0,       0.0);
     ( 399126.0, 3824024.2,     845.3,    1380.0,       0.0);         ( 399106.8,
3824039.6,     845.2,    1380.0,       0.0);
     ( 399087.7, 3824055.1,     844.7,    1380.0,       0.0);         ( 399068.6,
3824070.5,     842.7,    1380.0,       0.0);
     ( 399049.4, 3824086.0,     841.8,    1380.0,       0.0);         ( 399030.3,
3824101.4,     841.4,    1380.0,       0.0);
     ( 399011.1, 3824116.9,     841.7,    1380.0,       0.0);         ( 398992.0,
3824132.3,     841.9,    1380.0,       0.0);
     ( 398972.9, 3824147.8,     841.3,    1380.0,       0.0);         ( 398953.8,
3824163.2,     841.4,    1380.0,       0.0);
     ( 398934.6, 3824178.6,     841.1,    1380.0,       0.0);         ( 398915.5,
3824194.1,     840.1,    1380.0,       0.0);
     ( 398896.3, 3824209.5,     840.5,    1380.0,       0.0);         ( 398877.2,
3824225.0,     840.0,    1380.0,       0.0);
     ( 398858.1, 3824240.4,     839.3,    1380.0,       0.0);         ( 398838.9,
3824255.9,     838.9,    1380.0,       0.0);
     ( 398819.8, 3824271.3,     838.7,    1380.0,       0.0);         ( 398800.6,
3824286.8,     837.6,    1380.0,       0.0);
     ( 398781.5, 3824302.2,     836.1,    1380.0,       0.0);         ( 398762.4,
3824317.7,     835.7,    1380.0,       0.0);
     ( 398743.2, 3824333.1,     835.1,    1380.0,       0.0);         ( 398724.1,
3824348.6,     834.6,    1380.0,       0.0);
     ( 398705.0, 3824364.0,     833.9,    1380.0,       0.0);         ( 398661.2,
3824380.2,     833.8,    1380.0,       0.0);
     ( 398636.7, 3824380.9,     833.8,    1380.0,       0.0);         ( 398612.1,
3824381.6,     834.1,    1380.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                         ***       09:14:47
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(398587.5, 3824382.3, 834.8, 1380.0, 0.0); (398562.9, 3824383.0, 835.1, 1380.0, 0.0);
(398538.3, 3824383.7, 835.2, 1380.0, 0.0); (398513.8, 3824384.4, 835.2, 1380.0, 0.0);
(398489.2, 3824385.1, 835.2, 1380.0, 0.0); (398464.6, 3824385.8, 835.3, 1380.0, 0.0);
(398440.0, 3824386.5, 835.8, 1380.0, 0.0); (398415.4, 3824387.2, 836.8, 1380.0, 0.0);
(398390.8, 3824387.9, 837.4, 1380.0, 0.0); (398366.2, 3824388.6, 837.1, 1401.1, 0.0);
(398341.7, 3824389.3, 837.4, 1401.1, 0.0); (398317.1, 3824390.0, 837.6, 1401.1, 0.0);
(398292.5, 3824390.8, 837.8, 1402.7, 0.0); (398267.9, 3824391.4, 838.4, 1402.7, 0.0);
(398243.3, 3824392.2, 838.6, 1402.7, 0.0); (398218.7, 3824392.9, 838.9, 1403.5, 0.0);
(398194.2, 3824393.6, 838.8, 1405.7, 0.0); (398169.6, 3824394.3, 838.2, 1440.1, 0.0);
(398145.0, 3824395.0, 838.6, 1440.1, 0.0); (398120.4, 3824395.7, 839.8, 1440.1, 0.0);
(398095.8, 3824396.4, 841.0, 1440.1, 0.0); (398071.2, 3824397.1, 841.4, 1440.1, 0.0);
(398046.7, 3824397.8, 841.7, 1440.1, 0.0); (398022.1, 3824398.5, 843.2, 1440.1, 0.0);
(397997.5, 3824399.2, 844.5, 1440.1, 0.0); (397972.9, 3824399.9, 846.0, 1440.1, 0.0);
(397948.3, 3824400.6, 847.0, 1440.1, 0.0); (397923.7, 3824401.3, 846.8, 1440.1, 0.0);
(397899.2, 3824402.0, 844.8, 1440.1, 0.0); (397874.6, 3824402.7, 844.4, 1440.1, 0.0);
(397850.0, 3824403.4, 845.5, 1440.1, 0.0); (397825.4, 3824404.1, 846.0, 1440.1, 0.0);
(397800.8, 3824404.8, 845.7, 1440.1, 0.0); (397776.2, 3824405.5, 845.8, 1440.1, 0.0);
(397751.6, 3824406.2, 846.8, 1440.1, 0.0); (397727.1, 3824406.9, 848.5, 1440.1, 0.0);
(397702.5, 3824407.6, 848.4, 1440.1, 0.0); (397677.9, 3824408.3, 847.9, 1440.1, 0.0);
(397653.3, 3824409.1, 852.5, 1440.1, 0.0); (397628.7, 3824409.8, 855.6, 1440.1, 0.0);
(397604.1, 3824410.5, 854.0, 1440.1, 0.0); (397579.6, 3824411.2, 853.0, 1440.1, 0.0);

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     ( 397555.0, 3824411.9,     853.0,    1440.1,       0.0);         ( 397530.4,
3824412.6,     852.7,    1440.1,       0.0);
     ( 397505.8, 3824413.3,     852.6,    1440.1,       0.0);         ( 397481.2,
3824414.0,     853.0,    1440.1,       0.0);
     ( 397456.6, 3824414.7,     853.5,    1440.1,       0.0);         ( 397432.1,
3824415.4,     854.5,    1440.1,       0.0);
     ( 397407.5, 3824416.1,     855.6,    1440.1,       0.0);         ( 397382.9,
3824416.8,     856.7,    1440.1,       0.0);
     ( 397358.3, 3824417.5,     857.1,    1440.1,       0.0);         ( 397333.7,
3824418.2,     857.3,    1440.1,       0.0);
     ( 397309.1, 3824418.9,     857.4,    1440.1,       0.0);         ( 397284.6,
3824419.6,     857.4,    1440.1,       0.0);
     ( 397260.0, 3824420.3,     857.4,    1440.1,       0.0);         ( 397235.4,
3824421.0,     857.3,    1440.1,       0.0);
     ( 397210.8, 3824421.7,     858.7,    1440.1,       0.0);         ( 397186.2,
3824422.4,     860.2,    1440.1,       0.0);
     ( 397161.6, 3824423.1,     861.0,    1440.1,       0.0);         ( 397137.1,
3824423.8,     862.4,    1440.1,       0.0);
     ( 397112.5, 3824424.5,     863.6,    1440.1,       0.0);         ( 397087.9,
3824425.2,     864.5,    1440.1,       0.0);
     ( 397063.3, 3824426.0,     865.1,    1440.1,       0.0);         ( 397038.7,
3824426.7,     865.7,    1440.1,       0.0);
     ( 397014.1, 3824427.4,     866.2,    1440.1,       0.0);         ( 396989.5,
3824428.1,     866.6,    1440.1,       0.0);
     ( 396965.0, 3824428.8,     867.0,    1440.1,       0.0);         ( 396940.4,
3824429.5,     867.4,    1440.1,       0.0);
     ( 396915.8, 3824430.2,     867.9,    1440.1,       0.0);         ( 396891.2,
3824430.9,     868.0,    1440.1,       0.0);
     ( 396866.6, 3824431.6,     867.6,    1440.1,       0.0);         ( 396842.0,
3824432.3,     866.1,    1440.1,       0.0);
     ( 396817.5, 3824433.0,     864.6,    1440.1,       0.0);         ( 396792.9,
3824433.7,     864.1,    1440.1,       0.0);
     ( 396768.3, 3824434.4,     862.1,    1440.1,       0.0);         ( 396743.7,
3824435.1,     858.5,    1440.1,       0.0);
     ( 396719.1, 3824435.8,     857.7,    1440.1,       0.0);         ( 396694.5,
3824436.5,     857.9,    1440.1,       0.0);
     ( 396670.0, 3824437.2,     858.1,    1440.1,       0.0);         ( 396645.4,
3824437.9,     858.4,    1440.1,       0.0);
     ( 396620.8, 3824438.6,     858.4,    1440.1,       0.0);         ( 396596.2,
3824439.3,     858.9,    1440.1,       0.0);
     ( 396571.6, 3824440.0,     859.9,    1440.1,       0.0);         ( 396547.0,
3824440.7,     860.2,    1440.1,       0.0);
     ( 396522.5, 3824441.4,     860.8,    1440.1,       0.0);         ( 396497.9,
3824442.1,     861.6,    1440.1,       0.0);
     ( 396473.3, 3824442.8,     863.5,    1440.1,       0.0);         ( 396448.7,
3824443.6,     863.5,    1440.1,       0.0);
     ( 396424.1, 3824444.3,     863.1,    1440.1,       0.0);         ( 396399.5,
3824445.0,     862.9,    1440.1,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(396375.0, 3824445.7, 864.5, 1440.1, 0.0); (396350.4, 3824446.4, 865.3, 1440.1, 0.0);
(396325.8, 3824447.1, 865.4, 1440.1, 0.0); (396301.2, 3824447.8, 865.7, 1440.1, 0.0);
(396276.6, 3824448.5, 865.9, 1440.1, 0.0); (396252.0, 3824449.2, 865.4, 1440.1, 0.0);
(396227.5, 3824449.9, 865.3, 1440.1, 0.0); (396202.9, 3824450.6, 865.6, 1440.1, 0.0);
(396178.3, 3824451.3, 866.0, 1440.1, 0.0); (396153.7, 3824452.0, 868.3, 1440.1, 0.0);
(396129.1, 3824452.7, 871.0, 1440.1, 0.0); (396104.5, 3824453.4, 870.8, 1440.1, 0.0);
(396080.0, 3824454.1, 869.2, 1440.1, 0.0); (396055.4, 3824454.8, 867.3, 1440.1, 0.0);
(396030.8, 3824455.5, 867.6, 1440.1, 0.0); (396006.2, 3824456.2, 868.0, 1440.1, 0.0);
(395981.6, 3824456.9, 868.3, 1440.1, 0.0); (395957.0, 3824457.6, 868.9, 1440.1, 0.0);
(395932.5, 3824458.3, 869.3, 1440.1, 0.0); (395907.9, 3824459.0, 869.9, 1440.1, 0.0);
(395883.3, 3824459.8, 870.0, 1440.1, 0.0); (395858.7, 3824460.5, 870.9, 1440.1, 0.0);
(395834.1, 3824461.2, 871.7, 1440.1, 0.0); (395809.5, 3824461.9, 872.0, 1440.1, 0.0);
(395785.0, 3824462.6, 872.6, 1440.1, 0.0); (395760.4, 3824463.3, 873.3, 1440.1, 0.0);
(395735.8, 3824464.0, 874.0, 1440.1, 0.0); (395711.2, 3824464.7, 874.6, 1440.1, 0.0);
(395686.6, 3824465.4, 875.3, 1440.1, 0.0); (395662.0, 3824466.1, 876.0, 1440.1, 0.0);
(395637.5, 3824466.8, 876.6, 1440.1, 0.0); (395612.9, 3824467.5, 877.2, 1440.1, 0.0);
(395588.3, 3824468.2, 877.7, 1440.1, 0.0); (395563.7, 3824468.9, 878.1, 1440.1, 0.0);
(395539.1, 3824469.6, 878.8, 1440.1, 0.0); (395514.5, 3824470.3, 879.4, 1440.1, 0.0);
(395489.9, 3824471.0, 879.9, 1525.2, 0.0); (395465.4, 3824471.7, 880.5, 1526.2, 0.0);
(395440.8, 3824472.4, 881.1, 1526.2, 0.0); (395416.2, 3824473.1, 881.7, 1530.3, 0.0);

```
    ( 395391.6, 3824473.8,     882.0,    1582.1,       0.0);         ( 395367.0,
3824474.5,     882.3,    1583.0,       0.0);
    ( 395342.4, 3824475.2,     882.6,    1584.3,       0.0);         ( 395317.9,
3824475.9,     883.3,    1585.6,       0.0);
    ( 395293.3, 3824476.6,     884.5,    1586.4,       0.0);         ( 395268.7,
3824477.4,     884.1,    1587.1,       0.0);
    ( 395244.1, 3824478.1,     884.8,    1587.1,       0.0);         ( 395219.5,
3824478.8,     885.6,    1587.1,       0.0);
    ( 395194.9, 3824479.5,     886.6,    1587.1,       0.0);         ( 395170.3,
3824480.2,     887.2,    1587.1,       0.0);
    ( 395145.8, 3824480.9,     887.6,    1587.1,       0.0);         ( 395121.2,
3824481.6,     888.6,    1587.1,       0.0);
    ( 395096.6, 3824482.3,     889.3,    1587.1,       0.0);         ( 395072.0,
3824483.0,     890.4,    1587.1,       0.0);
    ( 395047.4, 3824483.7,     891.5,    1587.1,       0.0);         ( 395022.8,
3824484.4,     892.9,    1587.1,       0.0);
    ( 394998.3, 3824485.1,     894.1,    1587.1,       0.0);         ( 394973.7,
3824485.8,     895.5,    1587.1,       0.0);
    ( 394949.1, 3824486.5,     896.1,    1587.1,       0.0);         ( 394924.5,
3824487.2,     897.2,    1587.1,       0.0);
    ( 394899.9, 3824487.9,     899.1,    1587.1,       0.0);         ( 394875.3,
3824488.6,     899.3,    1587.1,       0.0);
    ( 394850.8, 3824489.3,     898.8,    1587.1,       0.0);         ( 394826.2,
3824490.0,     899.0,    1587.1,       0.0);
    ( 394801.6, 3824490.7,     899.2,    1587.1,       0.0);         ( 394777.0,
3824491.4,     900.3,    1587.1,       0.0);
    ( 394752.4, 3824492.1,     902.0,    1587.1,       0.0);         ( 394727.8,
3824492.8,     903.2,    1587.1,       0.0);
    ( 394703.3, 3824493.5,     903.9,    1587.1,       0.0);         ( 394678.7,
3824494.3,     904.9,    1587.1,       0.0);
    ( 394654.1, 3824495.0,     905.5,    1587.1,       0.0);         ( 394629.5,
3824495.7,     906.5,    1587.1,       0.0);
    ( 394604.9, 3824496.4,     907.5,    1587.1,       0.0);         ( 394580.3,
3824497.1,     908.9,    1587.1,       0.0);
    ( 394555.8, 3824497.8,     909.9,    1587.1,       0.0);         ( 394531.2,
3824498.5,     911.1,    1587.1,       0.0);
    ( 394506.6, 3824499.2,     911.1,    1587.1,       0.0);         ( 394482.0,
3824499.9,     911.8,    1587.1,       0.0);
    ( 394457.4, 3824500.6,     913.9,    1587.1,       0.0);         ( 394432.8,
3824501.3,     914.5,    1587.1,       0.0);
    ( 394408.2, 3824502.0,     915.5,    1587.1,       0.0);         ( 394383.7,
3824502.7,     916.2,    1587.1,       0.0);
    ( 394359.1, 3824503.4,     916.8,    1587.1,       0.0);         ( 394334.5,
3824504.1,     917.1,    1587.1,       0.0);
    ( 394309.9, 3824504.8,     914.9,    1587.1,       0.0);         ( 394285.3,
3824505.5,     914.5,    1587.1,       0.0);
    ( 394260.8, 3824506.2,     915.1,    1587.1,       0.0);         ( 394236.2,
3824506.9,     915.6,    1587.1,       0.0);
    ( 394211.6, 3824507.6,     916.7,    1587.1,       0.0);         ( 394187.0,
3824508.3,     918.6,    1587.1,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394162.4, 3824509.0, 919.7, 1587.1, 0.0); (394137.8, 3824509.8, 920.5, 1587.1, 0.0);
(394113.2, 3824510.4, 921.3, 1587.1, 0.0); (394088.7, 3824511.1, 921.8, 1587.1, 0.0);
(394064.1, 3824511.9, 922.3, 1587.1, 0.0); (394039.5, 3824512.6, 922.9, 1587.1, 0.0);
(394014.9, 3824513.3, 923.4, 1587.1, 0.0); (393990.3, 3824514.0, 924.0, 1587.1, 0.0);
(393965.8, 3824514.7, 924.7, 1587.1, 0.0); (393941.2, 3824515.4, 925.3, 1587.1, 0.0);
(393916.6, 3824516.1, 925.7, 1587.1, 0.0); (393892.0, 3824516.8, 925.9, 1587.1, 0.0);
(393867.4, 3824517.5, 926.1, 1587.1, 0.0); (393842.8, 3824518.2, 926.4, 1587.1, 0.0);
(393818.2, 3824518.9, 926.6, 1587.1, 0.0); (393793.7, 3824519.6, 926.8, 1587.1, 0.0);
(393769.1, 3824520.3, 927.1, 1587.1, 0.0); (393744.5, 3824521.0, 927.6, 1587.8, 0.0);
(393719.9, 3824521.7, 927.4, 1587.9, 0.0); (393695.3, 3824522.4, 923.8, 1587.9, 0.0);
(402589.6, 3821228.0, 929.5, 1541.6, 0.0); (402602.8, 3821207.2, 931.9, 1541.6, 0.0);
(403695.7, 3821958.8, 876.7, 1541.6, 0.0); (403676.6, 3821974.2, 876.5, 1541.6, 0.0);
(403657.5, 3821989.7, 875.2, 1541.6, 0.0); (403638.4, 3822005.1, 874.2, 1541.6, 0.0);
(403619.3, 3822020.5, 873.0, 1541.6, 0.0); (403600.1, 3822035.9, 872.6, 1541.6, 0.0);
(403581.0, 3822051.4, 874.3, 1541.6, 0.0); (403561.9, 3822066.8, 875.1, 1541.6, 0.0);
(403542.8, 3822082.2, 874.1, 1541.6, 0.0); (403523.7, 3822097.6, 873.8, 1541.6, 0.0);
(403504.6, 3822113.1, 874.9, 1541.6, 0.0); (403485.5, 3822128.5, 874.5, 1541.6, 0.0);
(403466.4, 3822143.9, 876.0, 879.8, 0.0); (403447.3, 3822159.3, 877.9, 877.9, 0.0);
(403428.2, 3822174.8, 878.8, 878.8, 0.0); (403409.1, 3822190.2, 878.5, 878.5, 0.0);

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    ( 403390.0, 3822205.6,     878.2,     878.2,       0.0);         ( 403370.8,
3822221.0,     877.2,     877.2,       0.0);
    ( 403351.7, 3822236.5,     876.2,     876.2,       0.0);         ( 403332.6,
3822251.9,     875.7,     875.7,       0.0);
    ( 403313.5, 3822267.3,     875.2,     875.2,       0.0);         ( 403294.4,
3822282.8,     874.3,     874.3,       0.0);
    ( 403275.3, 3822298.2,     873.5,     873.5,       0.0);         ( 403256.2,
3822313.6,     873.6,     873.6,       0.0);
    ( 403237.1, 3822329.0,     872.1,     872.1,       0.0);         ( 403218.0,
3822344.4,     870.8,     870.8,       0.0);
    ( 403198.9, 3822359.9,     869.5,     869.5,       0.0);         ( 403179.8,
3822375.3,     868.3,     868.3,       0.0);
    ( 403160.7, 3822390.7,     867.2,     867.2,       0.0);         ( 403141.5,
3822406.2,     866.4,     866.4,       0.0);
    ( 403122.4, 3822421.6,     865.7,     865.7,       0.0);         ( 403103.3,
3822437.0,     865.0,     865.0,       0.0);
    ( 403084.2, 3822452.4,     864.4,     864.4,       0.0);         ( 403065.1,
3822467.9,     863.6,     863.6,       0.0);
    ( 403046.0, 3822483.3,     862.8,     862.8,       0.0);         ( 403026.9,
3822498.7,     862.3,     862.3,       0.0);
    ( 403007.8, 3822514.1,     861.9,     861.9,       0.0);         ( 402988.7,
3822529.6,     861.8,     861.8,       0.0);
    ( 402969.6, 3822545.0,     862.1,     862.1,       0.0);         ( 402950.5,
3822560.4,     862.0,     862.0,       0.0);
    ( 402931.4, 3822575.8,     860.9,     860.9,       0.0);         ( 402912.2,
3822591.3,     860.3,     860.3,       0.0);
    ( 402893.1, 3822606.7,     859.6,     859.6,       0.0);         ( 402874.0,
3822622.1,     858.5,     858.5,       0.0);
    ( 402854.9, 3822637.5,     857.9,     857.9,       0.0);         ( 402835.8,
3822653.0,     857.8,     857.8,       0.0);
    ( 402816.7, 3822668.4,     857.2,     857.2,       0.0);         ( 402797.6,
3822683.8,     855.3,     855.3,       0.0);
    ( 402778.5, 3822699.2,     854.2,     854.2,       0.0);         ( 402759.4,
3822714.7,     853.4,     853.4,       0.0);
    ( 402740.3, 3822730.1,     853.0,     853.0,       0.0);         ( 402721.2,
3822745.5,     852.5,     852.5,       0.0);
    ( 402702.1, 3822760.9,     852.0,     852.0,       0.0);         ( 402683.0,
3822776.4,     851.6,     851.6,       0.0);
    ( 402663.8, 3822791.8,     851.3,     851.3,       0.0);         ( 402644.7,
3822807.2,     850.6,     850.6,       0.0);
    ( 402625.6, 3822822.7,     851.2,     851.2,       0.0);         ( 402606.5,
3822838.1,     851.3,     851.3,       0.0);
    ( 402587.4, 3822853.5,     851.6,     851.6,       0.0);         ( 402568.3,
3822868.9,     851.9,     851.9,       0.0);
    ( 402549.2, 3822884.4,     850.9,     850.9,       0.0);         ( 402530.1,
3822899.8,     849.6,     849.6,       0.0);
    ( 402511.0, 3822915.2,     850.0,     850.0,       0.0);         ( 402491.9,
3822930.6,     850.7,     850.7,       0.0);
    ( 402472.8, 3822946.1,     849.8,     849.8,       0.0);         ( 402453.6,
3822961.5,     851.3,     852.4,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(402396.3, 3823007.8, 850.2, 850.2, 0.0); (402377.2,
3823023.2, 849.4, 849.4, 0.0);
(402358.1, 3823038.6, 847.7, 847.7, 0.0); (402339.0,
3823054.0, 846.3, 849.5, 0.0);
(402319.9, 3823069.5, 847.2, 847.2, 0.0); (402300.8,
3823084.9, 846.9, 846.9, 0.0);
(402281.7, 3823100.3, 846.1, 846.1, 0.0); (402262.6,
3823115.8, 845.7, 845.7, 0.0);
(402243.5, 3823131.2, 845.7, 845.7, 0.0); (402224.3,
3823146.6, 845.3, 845.3, 0.0);
(402205.2, 3823162.0, 844.2, 844.2, 0.0); (402186.1,
3823177.5, 843.5, 843.5, 0.0);
(402167.0, 3823192.9, 843.8, 843.8, 0.0); (402147.9,
3823208.3, 844.1, 844.1, 0.0);
(402128.8, 3823223.7, 844.9, 844.9, 0.0); (402109.7,
3823239.2, 845.9, 845.9, 0.0);
(402090.6, 3823254.6, 844.0, 846.2, 0.0); (402071.5,
3823270.0, 840.8, 846.2, 0.0);
(402052.4, 3823285.4, 839.6, 846.5, 0.0); (402033.3,
3823300.9, 838.8, 846.5, 0.0);
(402014.2, 3823316.3, 837.9, 846.5, 0.0); (401995.0,
3823331.7, 836.9, 846.5, 0.0);
(401975.9, 3823347.1, 836.0, 836.0, 0.0); (401956.8,
3823362.6, 835.1, 845.3, 0.0);
(401937.7, 3823378.0, 834.1, 845.3, 0.0); (401918.6,
3823393.4, 833.4, 845.3, 0.0);
(401899.5, 3823408.8, 832.8, 832.8, 0.0); (401880.4,
3823424.3, 832.3, 832.3, 0.0);
(401861.3, 3823439.7, 831.7, 831.7, 0.0); (401842.2,
3823455.1, 831.7, 835.8, 0.0);
(401823.1, 3823470.5, 833.1, 833.1, 0.0); (401804.0,
3823486.0, 833.5, 833.5, 0.0);
(401784.9, 3823501.4, 832.5, 832.5, 0.0); (401765.8,
3823516.8, 832.8, 832.8, 0.0);
(401746.6, 3823532.2, 832.9, 832.9, 0.0); (401727.5,
3823547.7, 832.5, 832.5, 0.0);

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    ( 401708.4, 3823563.1,     831.9,     831.9,       0.0);         ( 401689.3,
3823578.5,     831.3,     831.3,       0.0);
    ( 401670.2, 3823594.0,     831.9,     831.9,       0.0);         ( 401651.1,
3823609.4,     831.6,     831.6,       0.0);
    ( 401632.0, 3823624.8,     831.1,     831.1,       0.0);         ( 401612.9,
3823640.2,     831.0,     831.0,       0.0);
    ( 401593.8, 3823655.7,     831.4,     831.4,       0.0);         ( 401574.7,
3823671.1,     831.6,     831.6,       0.0);
    ( 401555.6, 3823686.5,     831.3,     831.3,       0.0);         ( 401536.5,
3823701.9,     831.7,     831.7,       0.0);
    ( 401517.3, 3823717.4,     831.7,     831.7,       0.0);         ( 401498.2,
3823732.8,     832.0,     832.0,       0.0);
    ( 401479.1, 3823748.2,     832.0,     832.0,       0.0);         ( 401460.0,
3823763.6,     830.7,     830.7,       0.0);
    ( 401440.9, 3823779.1,     831.3,     832.6,       0.0);         ( 401421.8,
3823794.5,     831.1,     831.1,       0.0);
    ( 401402.7, 3823809.9,     829.9,     830.8,       0.0);         ( 401383.6,
3823825.3,     828.0,     833.1,       0.0);
    ( 401364.5, 3823840.8,     828.6,     833.1,       0.0);         ( 401345.4,
3823856.2,     827.2,     833.1,       0.0);
    ( 401326.3, 3823871.6,     825.7,     833.1,       0.0);         ( 401307.1,
3823887.0,     825.7,     829.8,       0.0);
    ( 401288.0, 3823902.5,     825.0,     830.4,       0.0);         ( 401268.9,
3823917.9,     825.4,     825.4,       0.0);
    ( 401249.8, 3823933.3,     825.9,     825.9,       0.0);         ( 401230.7,
3823948.8,     825.6,     825.6,       0.0);
    ( 401211.6, 3823964.2,     824.9,     824.9,       0.0);         ( 401192.5,
3823979.6,     825.1,     825.1,       0.0);
    ( 401173.4, 3823995.0,     825.7,     825.7,       0.0);         ( 401154.3,
3824010.5,     825.7,     825.7,       0.0);
    ( 401135.2, 3824025.9,     825.8,     825.8,       0.0);         ( 401116.1,
3824041.3,     826.1,     826.1,       0.0);
    ( 401097.0, 3824056.7,     827.1,     827.1,       0.0);         ( 401077.9,
3824072.2,     826.9,     826.9,       0.0);
    ( 401058.8, 3824087.6,     827.9,     828.5,       0.0);         ( 401039.6,
3824103.0,     826.7,     826.7,       0.0);
    ( 401020.5, 3824118.4,     826.1,     826.1,       0.0);         ( 401001.4,
3824133.9,     825.4,     825.4,       0.0);
    ( 400982.3, 3824149.3,     824.4,     828.0,       0.0);         ( 400963.2,
3824164.7,     824.7,     824.7,       0.0);
    ( 400944.1, 3824180.1,     824.8,     824.8,       0.0);         ( 400925.0,
3824195.6,     824.7,     824.7,       0.0);
    ( 400905.9, 3824211.0,     824.3,     824.3,       0.0);         ( 400886.8,
3824226.4,     824.8,     824.8,       0.0);
    ( 400867.7, 3824241.8,     824.9,     824.9,       0.0);         ( 400848.6,
3824257.3,     824.7,     824.7,       0.0);
    ( 400829.5, 3824272.7,     824.9,     824.9,       0.0);         ( 400810.3,
3824288.1,     825.4,     825.4,       0.0);
    ( 400791.2, 3824303.5,     825.5,     825.5,       0.0);         ( 400772.1,
3824319.0,     824.9,     824.9,       0.0);
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(400753.0, 3824334.4, 825.5, 825.5, 0.0); (400733.9, 3824349.8, 824.8, 824.8, 0.0);
(400714.8, 3824365.3, 824.4, 824.4, 0.0); (400695.7, 3824380.7, 823.9, 823.9, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(400676.6, 3824396.1, 824.3, 824.3, 0.0); (400657.5, 3824411.5, 822.8, 822.8, 0.0);
(400638.4, 3824427.0, 820.5, 824.3, 0.0); (400619.3, 3824442.4, 820.3, 823.1, 0.0);
(400600.1, 3824457.8, 822.9, 822.9, 0.0); (400581.0, 3824473.2, 822.7, 822.7, 0.0);
(400561.9, 3824488.7, 822.7, 822.7, 0.0); (400542.8, 3824504.1, 822.7, 822.7, 0.0);
(400523.7, 3824519.5, 822.3, 822.3, 0.0); (400504.6, 3824534.9, 821.8, 821.8, 0.0);
(400485.5, 3824550.4, 821.4, 821.4, 0.0); (400466.4, 3824565.8, 821.2, 821.2, 0.0);
(400447.3, 3824581.2, 820.9, 820.9, 0.0); (400428.2, 3824596.6, 820.9, 820.9, 0.0);
(400409.1, 3824612.1, 820.6, 820.6, 0.0); (400390.0, 3824627.5, 820.6, 820.6, 0.0);
(400370.8, 3824642.9, 820.9, 820.9, 0.0); (400351.7, 3824658.3, 820.9, 820.9, 0.0);
(400332.6, 3824673.8, 820.8, 820.8, 0.0); (400313.5, 3824689.2, 820.7, 820.7, 0.0);
(400294.4, 3824704.6, 820.6, 820.6, 0.0); (400275.3, 3824720.0, 820.5, 820.5, 0.0);
(400256.2, 3824735.5, 820.8, 820.8, 0.0); (400237.1, 3824750.9, 820.4, 820.4, 0.0);
(400218.0, 3824766.3, 819.7, 819.7, 0.0); (400198.9, 3824781.8, 820.3, 820.3, 0.0);
(400179.8, 3824797.2, 820.3, 820.3, 0.0); (400160.7, 3824812.6, 820.1, 820.1, 0.0);
(400141.5, 3824828.0, 820.0, 820.0, 0.0); (400122.4, 3824843.5, 820.4, 820.4, 0.0);
(400103.3, 3824858.9, 821.3, 821.3, 0.0); (400084.2, 3824874.3, 821.5, 821.5, 0.0);
(400065.1, 3824889.7, 821.1, 821.1, 0.0); (400046.0, 3824905.2, 820.8, 820.8, 0.0);

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    ( 400026.9, 3824920.6,     820.4,     820.4,       0.0);         ( 400007.8,
3824936.0,     820.0,     820.0,       0.0);
    ( 399988.7, 3824951.4,     819.4,     819.4,       0.0);         ( 399969.6,
3824966.9,     819.0,     819.0,       0.0);
    ( 399950.5, 3824982.3,     818.7,     818.7,       0.0);         ( 399931.4,
3824997.7,     818.5,     818.5,       0.0);
    ( 399912.2, 3825013.1,     818.4,     818.4,       0.0);         ( 399893.1,
3825028.6,     818.2,     818.2,       0.0);
    ( 399874.0, 3825044.0,     817.6,     817.6,       0.0);         ( 399854.9,
3825059.4,     817.1,     817.1,       0.0);
    ( 399835.8, 3825074.8,     817.1,     817.1,       0.0);         ( 399816.7,
3825090.3,     816.7,     816.7,       0.0);
    ( 399797.6, 3825105.7,     815.9,     815.9,       0.0);         ( 399778.5,
3825121.1,     815.9,     815.9,       0.0);
    ( 399759.4, 3825136.6,     816.2,     816.2,       0.0);         ( 399740.3,
3825152.0,     816.1,     816.1,       0.0);
    ( 399721.2, 3825167.4,     815.9,     815.9,       0.0);         ( 399702.1,
3825182.8,     815.8,     815.8,       0.0);
    ( 399683.0, 3825198.3,     815.7,     815.7,       0.0);         ( 399663.8,
3825213.7,     815.7,     815.7,       0.0);
    ( 399644.7, 3825229.1,     815.9,     815.9,       0.0);         ( 399625.6,
3825244.5,     815.9,     815.9,       0.0);
    ( 399606.5, 3825260.0,     815.9,     815.9,       0.0);         ( 399587.4,
3825275.4,     815.1,     815.1,       0.0);
    ( 399568.3, 3825290.8,     815.2,     815.2,       0.0);         ( 399549.2,
3825306.2,     814.7,     814.7,       0.0);
    ( 399530.1, 3825321.7,     814.2,     814.2,       0.0);         ( 399511.0,
3825337.1,     814.0,     814.0,       0.0);
    ( 399491.9, 3825352.5,     814.5,     814.5,       0.0);         ( 399472.8,
3825367.9,     814.5,     814.5,       0.0);
    ( 399453.6, 3825383.4,     813.9,     813.9,       0.0);         ( 399434.5,
3825398.8,     813.5,     813.5,       0.0);
    ( 399415.4, 3825414.2,     813.1,     813.1,       0.0);         ( 399396.3,
3825429.6,     812.6,     812.6,       0.0);
    ( 399377.2, 3825445.1,     812.6,     812.6,       0.0);         ( 399358.1,
3825460.5,     812.3,     812.3,       0.0);
    ( 399339.0, 3825475.9,     811.8,     811.8,       0.0);         ( 399319.9,
3825491.3,     811.2,     811.2,       0.0);
    ( 399300.8, 3825506.8,     810.5,     810.5,       0.0);         ( 399281.7,
3825522.2,     809.6,     809.6,       0.0);
    ( 399262.6, 3825537.6,     810.0,     810.0,       0.0);         ( 399243.5,
3825553.1,     810.0,     810.0,       0.0);
    ( 399224.3, 3825568.5,     809.6,     809.6,       0.0);         ( 399205.2,
3825583.9,     809.1,     809.1,       0.0);
    ( 399186.1, 3825599.3,     809.0,     809.0,       0.0);         ( 399167.0,
3825614.8,     808.9,     808.9,       0.0);
    ( 399123.4, 3825630.9,     809.6,     811.9,       0.0);         ( 399098.8,
3825631.6,     810.4,     810.4,       0.0);
    ( 399074.3, 3825632.3,     810.5,     810.5,       0.0);         ( 399049.7,
3825633.0,     810.6,     810.6,       0.0);
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(399025.2, 3825633.7, 811.0, 811.0, 0.0); (399000.6, 3825634.4, 811.0, 811.0, 0.0);
(398976.1, 3825635.1, 810.1, 810.1, 0.0); (398951.5, 3825635.8, 809.8, 809.8, 0.0);
(398927.0, 3825636.5, 809.8, 809.8, 0.0); (398902.4, 3825637.2, 810.2, 810.2, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(398877.9, 3825637.9, 810.9, 810.9, 0.0); (398853.3, 3825638.6, 811.0, 811.0, 0.0);
(398828.8, 3825639.3, 810.1, 810.1, 0.0); (398804.2, 3825640.0, 809.8, 809.8, 0.0);
(398779.7, 3825640.7, 809.6, 809.6, 0.0); (398755.1, 3825641.4, 810.4, 810.4, 0.0);
(398730.6, 3825642.1, 810.2, 810.2, 0.0); (398706.1, 3825642.8, 809.6, 809.6, 0.0);
(398681.5, 3825643.5, 809.8, 809.8, 0.0); (398657.0, 3825644.2, 810.6, 810.6, 0.0);
(398632.4, 3825644.9, 811.3, 811.3, 0.0); (398607.9, 3825645.7, 811.8, 811.8, 0.0);
(398583.3, 3825646.4, 812.1, 812.1, 0.0); (398558.8, 3825647.1, 812.4, 1379.0, 0.0);
(398534.2, 3825647.8, 812.7, 1380.0, 0.0); (398509.7, 3825648.5, 812.9, 1380.0, 0.0);
(398485.1, 3825649.2, 813.0, 1380.0, 0.0); (398460.6, 3825649.9, 813.4, 1380.0, 0.0);
(398436.0, 3825650.6, 814.0, 1380.0, 0.0); (398411.5, 3825651.3, 814.5, 1380.0, 0.0);
(398386.9, 3825652.0, 815.2, 1380.0, 0.0); (398362.4, 3825652.7, 816.2, 1380.0, 0.0);
(398337.8, 3825653.4, 816.5, 1380.0, 0.0); (398313.3, 3825654.1, 816.4, 1380.0, 0.0);
(398288.8, 3825654.8, 816.2, 1380.0, 0.0); (398264.2, 3825655.5, 816.1, 1380.0, 0.0);
(398239.6, 3825656.2, 816.1, 1380.0, 0.0); (398215.1, 3825656.9, 816.1, 1380.0, 0.0);
(398190.6, 3825657.6, 816.2, 1380.0, 0.0); (398166.0, 3825658.3, 816.4, 1380.0, 0.0);
(398141.5, 3825659.0, 816.7, 1380.0, 0.0); (398116.9, 3825659.7, 816.9, 1380.0, 0.0);

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    ( 398092.4, 3825660.4,     817.3,    1380.0,       0.0);         ( 398067.8,
3825661.1,     817.4,    1380.0,       0.0);
    ( 398043.3, 3825661.8,     817.8,    1380.0,       0.0);         ( 398018.7,
3825662.5,     818.2,    1380.0,       0.0);
    ( 397994.2, 3825663.2,     818.4,    1380.0,       0.0);         ( 397969.6,
3825663.9,     818.8,    1380.0,       0.0);
    ( 397945.1, 3825664.6,     819.1,    1380.0,       0.0);         ( 397920.5,
3825665.3,     819.4,    1380.0,       0.0);
    ( 397896.0, 3825666.0,     819.7,    1380.0,       0.0);         ( 397871.4,
3825666.8,     819.8,    1380.0,       0.0);
    ( 397846.9, 3825667.4,     819.6,    1380.0,       0.0);         ( 397822.3,
3825668.1,     820.0,    1380.0,       0.0);
    ( 397797.8, 3825668.9,     820.7,    1380.0,       0.0);         ( 397773.2,
3825669.6,     819.0,    1380.0,       0.0);
    ( 397748.7, 3825670.3,     815.7,    1380.0,       0.0);         ( 397724.1,
3825671.0,     816.4,    1380.0,       0.0);
    ( 397699.6, 3825671.7,     820.8,    1380.0,       0.0);         ( 397675.0,
3825672.4,     821.3,    1380.0,       0.0);
    ( 397650.5, 3825673.1,     821.7,    1380.0,       0.0);         ( 397626.0,
3825673.8,     821.6,    1380.0,       0.0);
    ( 397601.4, 3825674.5,     821.3,    1380.0,       0.0);         ( 397576.9,
3825675.2,     821.8,    1380.0,       0.0);
    ( 397552.3, 3825675.9,     822.8,    1380.0,       0.0);         ( 397527.8,
3825676.6,     822.8,    1397.2,       0.0);
    ( 397503.2, 3825677.3,     823.0,    1401.1,       0.0);         ( 397478.7,
3825678.0,     822.9,    1401.1,       0.0);
    ( 397454.1, 3825678.7,     823.4,    1401.1,       0.0);         ( 397429.6,
3825679.4,     824.5,    1401.1,       0.0);
    ( 397405.0, 3825680.1,     824.8,    1402.7,       0.0);         ( 397380.5,
3825680.8,     824.6,    1402.7,       0.0);
    ( 397355.9, 3825681.5,     824.7,    1402.7,       0.0);         ( 397331.4,
3825682.2,     824.7,    1403.5,       0.0);
    ( 397306.8, 3825682.9,     824.7,    1405.7,       0.0);         ( 397282.3,
3825683.6,     824.9,    1405.7,       0.0);
    ( 397257.7, 3825684.3,     825.2,    1405.7,       0.0);         ( 397233.2,
3825685.0,     825.6,    1405.7,       0.0);
    ( 397208.6, 3825685.7,     826.5,    1440.1,       0.0);         ( 397184.1,
3825686.4,     827.5,    1440.1,       0.0);
    ( 397159.5, 3825687.1,     828.1,    1440.1,       0.0);         ( 397135.0,
3825687.8,     828.4,    1440.1,       0.0);
    ( 397110.5, 3825688.5,     828.5,    1440.1,       0.0);         ( 397085.9,
3825689.2,     828.7,    1440.1,       0.0);
    ( 397061.4, 3825689.9,     829.0,    1440.1,       0.0);         ( 397036.8,
3825690.6,     829.5,    1440.1,       0.0);
    ( 397012.3, 3825691.4,     830.0,    1440.1,       0.0);         ( 396987.7,
3825692.1,     830.5,    1440.1,       0.0);
    ( 396963.2, 3825692.8,     831.1,    1440.1,       0.0);         ( 396938.6,
3825693.5,     831.4,    1440.1,       0.0);
    ( 396914.1, 3825694.2,     831.4,    1440.1,       0.0);         ( 396889.5,
3825694.9,     831.5,    1440.1,       0.0);
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(396865.0, 3825695.6, 831.8, 1440.1, 0.0); (396840.4, 3825696.3, 832.4, 1440.1, 0.0);
(396815.9, 3825697.0, 832.7, 1440.1, 0.0); (396791.3, 3825697.7, 833.2, 1440.1, 0.0);
(396766.8, 3825698.4, 834.6, 1440.1, 0.0); (396742.2, 3825699.1, 834.8, 1440.1, 0.0);
(396717.7, 3825699.8, 834.7, 1440.1, 0.0); (396693.1, 3825700.5, 835.4, 1440.1, 0.0);

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

(396668.6, 3825701.2, 835.7, 1440.1, 0.0); (396644.0, 3825701.9, 835.8, 1440.1, 0.0);
(396619.5, 3825702.6, 835.8, 1440.1, 0.0); (396595.0, 3825703.3, 835.9, 1440.1, 0.0);
(396570.4, 3825704.0, 835.8, 1440.1, 0.0); (396545.8, 3825704.7, 836.0, 1440.1, 0.0);
(396521.3, 3825705.4, 837.2, 1440.1, 0.0); (396496.8, 3825706.1, 837.6, 1440.1, 0.0);
(396472.2, 3825706.8, 837.1, 1440.1, 0.0); (396447.7, 3825707.5, 837.3, 1440.1, 0.0);
(396423.1, 3825708.2, 837.6, 1440.1, 0.0); (396398.6, 3825708.9, 837.9, 1440.1, 0.0);
(396374.0, 3825709.6, 839.4, 1440.1, 0.0); (396349.5, 3825710.3, 840.0, 1440.1, 0.0);
(396324.9, 3825711.0, 840.4, 1440.1, 0.0); (396300.4, 3825711.8, 840.7, 1440.1, 0.0);
(396275.8, 3825712.4, 841.0, 1440.1, 0.0); (396251.3, 3825713.1, 841.1, 1440.1, 0.0);
(396226.7, 3825713.8, 840.8, 1440.1, 0.0); (396202.2, 3825714.6, 841.7, 1440.1, 0.0);
(396177.6, 3825715.3, 842.5, 1440.1, 0.0); (396153.1, 3825716.0, 842.0, 1440.1, 0.0);
(396128.5, 3825716.7, 842.5, 1440.1, 0.0); (396104.0, 3825717.4, 843.8, 1440.1, 0.0);
(396079.5, 3825718.1, 846.0, 1440.1, 0.0); (396054.9, 3825718.8, 852.7, 1440.1, 0.0);
(396030.3, 3825719.5, 854.0, 1440.1, 0.0); (396005.8, 3825720.2, 850.2, 1440.1, 0.0);
(395981.3, 3825720.9, 845.0, 1440.1, 0.0); (395956.7, 3825721.6, 843.0, 1440.1, 0.0);

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     ( 395932.2, 3825722.3,     842.5,    1440.1,       0.0);         ( 395907.6,
3825723.0,     842.2,    1440.1,       0.0);
     ( 395883.1, 3825723.7,     841.3,    1440.1,       0.0);         ( 395858.5,
3825724.4,     841.1,    1440.1,       0.0);
     ( 395834.0, 3825725.1,     842.8,    1440.1,       0.0);         ( 395809.4,
3825725.8,     844.1,    1440.1,       0.0);
     ( 395784.9, 3825726.5,     844.2,    1440.1,       0.0);         ( 395760.3,
3825727.2,     844.4,    1440.1,       0.0);
     ( 395735.8, 3825727.9,     844.7,    1440.1,       0.0);         ( 395711.2,
3825728.6,     844.9,    1440.1,       0.0);
     ( 395686.7, 3825729.3,     845.2,    1440.1,       0.0);         ( 395662.1,
3825730.0,     845.5,    1440.1,       0.0);
     ( 395637.6, 3825730.7,     845.7,    1440.1,       0.0);         ( 395613.0,
3825731.4,     847.3,    1440.1,       0.0);
     ( 395588.5, 3825732.1,     853.1,    1440.1,       0.0);         ( 395563.9,
3825732.8,     853.4,    1440.1,       0.0);
     ( 395539.4, 3825733.5,     854.1,    1440.1,       0.0);         ( 395514.8,
3825734.2,     855.4,    1440.1,       0.0);
     ( 395490.3, 3825734.9,     856.8,    1440.1,       0.0);         ( 395465.8,
3825735.6,     858.1,    1440.1,       0.0);
     ( 395441.2, 3825736.3,     860.3,    1440.1,       0.0);         ( 395416.7,
3825737.1,     861.6,    1440.1,       0.0);
     ( 395392.1, 3825737.8,     866.3,    1440.1,       0.0);         ( 395367.6,
3825738.5,     869.0,    1440.1,       0.0);
     ( 395343.0, 3825739.2,     869.3,    1440.1,       0.0);         ( 395318.5,
3825739.9,     868.5,    1440.1,       0.0);
     ( 395293.9, 3825740.6,     865.7,    1440.1,       0.0);         ( 395269.4,
3825741.3,     863.4,    1583.0,       0.0);
     ( 395244.8, 3825742.0,     861.8,    1586.4,       0.0);         ( 395220.3,
3825742.7,     861.5,    1587.1,       0.0);
     ( 395195.7, 3825743.4,     861.6,    1587.1,       0.0);         ( 395171.2,
3825744.1,     861.1,    1587.1,       0.0);
     ( 395146.6, 3825744.8,     860.4,    1587.1,       0.0);         ( 395122.1,
3825745.5,     860.0,    1587.1,       0.0);
     ( 395097.5, 3825746.2,     860.1,    1587.1,       0.0);         ( 395073.0,
3825746.9,     860.7,    1587.1,       0.0);
     ( 395048.4, 3825747.6,     861.9,    1587.1,       0.0);         ( 395023.9,
3825748.3,     863.7,    1587.1,       0.0);
     ( 394999.3, 3825749.0,     865.5,    1587.1,       0.0);         ( 394974.8,
3825749.7,     867.2,    1587.1,       0.0);
     ( 394950.2, 3825750.4,     868.9,    1587.1,       0.0);         ( 394925.7,
3825751.1,     869.9,    1587.1,       0.0);
     ( 394901.1, 3825751.8,     870.1,    1587.1,       0.0);         ( 394876.6,
3825752.5,     870.7,    1587.1,       0.0);
     ( 394852.1, 3825753.2,     872.2,    1587.1,       0.0);         ( 394827.5,
3825753.9,     873.8,    1587.1,       0.0);
     ( 394803.0, 3825754.6,     878.9,    1587.1,       0.0);         ( 394778.4,
3825755.3,     875.5,    1587.1,       0.0);
     ( 394753.9, 3825756.0,     874.5,    1587.1,       0.0);         ( 394729.3,
3825756.7,     878.3,    1587.1,       0.0);
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(394704.8, 3825757.4, 882.7, 1587.1, 0.0); (394680.2, 3825758.1, 883.2, 1587.1, 0.0);
(394655.7, 3825758.8, 883.7, 1587.1, 0.0); (394631.1, 3825759.5, 884.0, 1587.1, 0.0);
(394606.6, 3825760.3, 884.2, 1587.1, 0.0); (394582.0, 3825761.0, 884.5, 1587.1, 0.0);
(394557.5, 3825761.7, 884.8, 1587.1, 0.0); (394532.9, 3825762.4, 884.8, 1587.1, 0.0);
(394508.4, 3825763.1, 884.6, 1587.1, 0.0); (394483.8, 3825763.8, 885.0, 1587.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394459.3, 3825764.5, 886.6, 1587.1, 0.0); (394434.8, 3825765.2, 889.1, 1587.1, 0.0);
(394410.2, 3825765.9, 892.6, 1587.1, 0.0); (394385.6, 3825766.6, 896.8, 1587.1, 0.0);
(394361.1, 3825767.3, 900.7, 1587.1, 0.0); (394336.6, 3825768.0, 903.3, 1587.1, 0.0);
(394312.0, 3825768.7, 905.0, 1587.1, 0.0); (394287.5, 3825769.4, 906.2, 1587.1, 0.0);
(394262.9, 3825770.1, 906.1, 1587.1, 0.0); (394238.4, 3825770.8, 905.6, 1587.1, 0.0);
(394213.8, 3825771.5, 905.5, 1587.1, 0.0); (394189.3, 3825772.2, 905.6, 1587.1, 0.0);
(394164.7, 3825772.9, 905.2, 1587.1, 0.0); (394140.2, 3825773.6, 903.6, 1587.1, 0.0);
(394115.6, 3825774.3, 901.6, 1587.1, 0.0); (394091.1, 3825775.0, 898.9, 1587.1, 0.0);
(394066.5, 3825775.7, 896.5, 1587.1, 0.0); (394042.0, 3825776.4, 893.6, 1587.1, 0.0);
(394017.4, 3825777.1, 890.2, 1587.1, 0.0); (393992.9, 3825777.8, 887.6, 1587.1, 0.0);
(393968.3, 3825778.5, 885.8, 1587.1, 0.0); (393943.8, 3825779.2, 884.2, 1587.1, 0.0);
(393919.2, 3825779.9, 883.0, 1587.1, 0.0); (393894.7, 3825780.6, 883.2, 1587.1, 0.0);
(393870.1, 3825781.3, 883.2, 1587.1, 0.0); (393845.6, 3825782.0, 883.0, 1587.1, 0.0);
(393821.0, 3825782.8, 883.3, 1587.8, 0.0); (393796.5, 3825783.5, 883.3, 1587.9, 0.0);

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     ( 393772.0, 3825784.2,     882.9,    1587.9,       0.0);         ( 393747.4,
3825784.9,     882.5,    1587.9,       0.0);
     ( 393722.9, 3825785.6,     881.9,    1587.9,       0.0);         ( 393698.3,
3825786.3,     881.3,    1587.9,       0.0);
     ( 393673.8, 3825787.0,     882.4,    1587.9,       0.0);         ( 393649.2,
3825787.7,     883.9,    1587.9,       0.0);
     ( 393624.7, 3825788.4,     881.8,    1588.5,       0.0);         ( 393600.1,
3825789.1,     881.9,    1588.5,       0.0);
     ( 393575.6, 3825789.8,     881.8,    1588.5,       0.0);         ( 393551.0,
3825790.5,     882.2,    1588.5,       0.0);
     ( 393526.5, 3825791.2,     882.0,    1588.5,       0.0);         ( 393501.9,
3825791.9,     881.8,    1588.5,       0.0);
     ( 393477.4, 3825792.6,     882.3,    1588.5,       0.0);         ( 393452.8,
3825793.3,     883.9,    1588.5,       0.0);
     ( 393428.3, 3825794.0,     887.6,    1588.5,       0.0);         ( 393403.7,
3825794.7,     889.9,    1588.5,       0.0);
     ( 393379.2, 3825795.4,     895.7,    1588.5,       0.0);         ( 393354.6,
3825796.1,     894.8,    1588.5,       0.0);
     ( 393330.1, 3825796.8,     891.5,    1590.6,       0.0);         ( 393305.5,
3825797.5,     890.4,    1590.6,       0.0);
     ( 403714.8, 3821943.4,     876.7,    1541.6,       0.0);         ( 403728.0,
3821922.6,     877.5,    1541.6,       0.0);
     ( 404820.9, 3822674.2,     844.2,     844.2,       0.0);         ( 404801.8,
3822689.6,     843.9,     843.9,       0.0);
     ( 404782.7, 3822705.0,     843.6,     843.6,       0.0);         ( 404763.6,
3822720.4,     843.4,     843.4,       0.0);
     ( 404744.5, 3822735.8,     843.1,     843.1,       0.0);         ( 404725.4,
3822751.2,     842.8,     842.8,       0.0);
     ( 404706.3, 3822766.6,     842.5,     842.5,       0.0);         ( 404687.2,
3822782.1,     842.0,     842.0,       0.0);
     ( 404668.2, 3822797.5,     841.5,     841.5,       0.0);         ( 404649.1,
3822812.9,     841.0,     841.0,       0.0);
     ( 404630.0, 3822828.3,     841.0,     841.0,       0.0);         ( 404610.9,
3822843.7,     841.2,     841.2,       0.0);
     ( 404591.8, 3822859.1,     840.5,     840.5,       0.0);         ( 404572.7,
3822874.5,     839.3,     839.3,       0.0);
     ( 404553.6, 3822889.9,     839.0,     839.0,       0.0);         ( 404534.5,
3822905.3,     839.2,     839.2,       0.0);
     ( 404515.5, 3822920.8,     839.7,     839.7,       0.0);         ( 404496.4,
3822936.2,     838.9,     838.9,       0.0);
     ( 404477.3, 3822951.6,     838.3,     838.3,       0.0);         ( 404458.2,
3822967.0,     839.1,     839.1,       0.0);
     ( 404439.1, 3822982.4,     838.6,     838.6,       0.0);         ( 404420.0,
3822997.8,     837.8,     837.8,       0.0);
     ( 404400.9, 3823013.2,     837.1,     837.1,       0.0);         ( 404381.8,
3823028.6,     836.7,     836.7,       0.0);
     ( 404362.8, 3823044.0,     836.8,     836.8,       0.0);         ( 404343.7,
3823059.4,     837.0,     837.0,       0.0);
     ( 404324.6, 3823074.8,     836.1,     836.1,       0.0);         ( 404305.5,
3823090.2,     834.8,     834.8,       0.0);
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(404286.4, 3823105.7, 835.4, 835.4, 0.0); (404267.3, 3823121.1, 835.5, 835.5, 0.0);
(404248.2, 3823136.5, 835.1, 835.1, 0.0); (404229.1, 3823151.9, 834.3, 834.3, 0.0);
(404210.1, 3823167.3, 833.9, 833.9, 0.0); (404191.0, 3823182.7, 833.7, 833.7, 0.0);
(404171.9, 3823198.1, 833.4, 833.4, 0.0); (404152.8, 3823213.5, 833.0, 833.0, 0.0);
(404133.7, 3823228.9, 832.8, 832.8, 0.0); (404114.6, 3823244.3, 832.7, 832.7, 0.0);
(404095.5, 3823259.8, 832.6, 832.6, 0.0); (404076.5, 3823275.2, 832.3, 832.3, 0.0);

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

(404057.4, 3823290.6, 831.6, 831.6, 0.0); (404038.3, 3823306.0, 830.7, 830.7, 0.0);
(404019.2, 3823321.4, 830.4, 830.4, 0.0); (404000.1, 3823336.8, 830.5, 830.5, 0.0);
(403981.0, 3823352.2, 829.6, 829.6, 0.0); (403961.9, 3823367.6, 828.6, 828.6, 0.0);
(403942.8, 3823383.0, 828.3, 828.3, 0.0); (403923.8, 3823398.4, 828.3, 828.3, 0.0);
(403904.7, 3823413.8, 828.1, 828.1, 0.0); (403885.6, 3823429.2, 827.9, 827.9, 0.0);
(403866.5, 3823444.7, 827.5, 827.5, 0.0); (403847.4, 3823460.1, 826.8, 826.8, 0.0);
(403828.3, 3823475.5, 827.1, 827.1, 0.0); (403809.2, 3823490.9, 826.9, 826.9, 0.0);
(403790.1, 3823506.3, 826.3, 826.3, 0.0); (403771.0, 3823521.7, 825.9, 825.9, 0.0);
(403752.0, 3823537.1, 826.3, 826.3, 0.0); (403732.9, 3823552.5, 826.1, 826.1, 0.0);
(403713.8, 3823567.9, 825.6, 825.6, 0.0); (403694.7, 3823583.3, 825.0, 825.0, 0.0);
(403675.6, 3823598.8, 825.1, 825.1, 0.0); (403656.5, 3823614.2, 825.1, 825.1, 0.0);
(403637.4, 3823629.6, 825.1, 825.1, 0.0); (403618.3, 3823645.0, 825.4, 825.4, 0.0);
(403599.3, 3823660.4, 825.2, 825.2, 0.0); (403580.2, 3823675.8, 825.5, 825.5, 0.0);

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     ( 403561.1, 3823691.2,     825.8,     825.8,       0.0);         ( 403542.0,
3823706.6,     825.1,     825.1,       0.0);
     ( 403522.9, 3823722.0,     824.2,     824.2,       0.0);         ( 403503.8,
3823737.4,     823.6,     823.6,       0.0);
     ( 403484.7, 3823752.8,     823.2,     823.2,       0.0);         ( 403465.7,
3823768.2,     822.7,     822.7,       0.0);
     ( 403446.6, 3823783.7,     822.2,     822.2,       0.0);         ( 403427.5,
3823799.1,     822.7,     822.7,       0.0);
     ( 403408.4, 3823814.5,     823.0,     823.0,       0.0);         ( 403389.3,
3823829.9,     822.6,     822.6,       0.0);
     ( 403370.2, 3823845.3,     821.8,     821.8,       0.0);         ( 403351.1,
3823860.7,     821.4,     821.4,       0.0);
     ( 403332.0, 3823876.1,     821.9,     821.9,       0.0);         ( 403313.0,
3823891.5,     822.2,     822.2,       0.0);
     ( 403293.9, 3823906.9,     822.0,     822.0,       0.0);         ( 403274.8,
3823922.3,     821.3,     821.3,       0.0);
     ( 403255.7, 3823937.8,     821.1,     821.1,       0.0);         ( 403236.6,
3823953.2,     821.3,     821.3,       0.0);
     ( 403217.5, 3823968.6,     821.4,     821.4,       0.0);         ( 403198.4,
3823984.0,     820.9,     820.9,       0.0);
     ( 403179.3, 3823999.4,     820.6,     820.6,       0.0);         ( 403160.3,
3824014.8,     820.4,     820.4,       0.0);
     ( 403141.2, 3824030.2,     820.2,     820.2,       0.0);         ( 403122.1,
3824045.6,     820.3,     820.3,       0.0);
     ( 403103.0, 3824061.0,     820.2,     820.2,       0.0);         ( 403083.9,
3824076.4,     820.2,     820.2,       0.0);
     ( 403064.8, 3824091.8,     820.2,     820.2,       0.0);         ( 403045.7,
3824107.2,     819.7,     819.7,       0.0);
     ( 403026.6, 3824122.7,     819.2,     819.2,       0.0);         ( 403007.6,
3824138.1,     819.4,     819.4,       0.0);
     ( 402988.5, 3824153.5,     819.9,     819.9,       0.0);         ( 402969.4,
3824168.9,     819.9,     819.9,       0.0);
     ( 402950.3, 3824184.3,     819.8,     819.8,       0.0);         ( 402931.2,
3824199.7,     819.4,     819.4,       0.0);
     ( 402912.1, 3824215.1,     819.2,     819.2,       0.0);         ( 402893.0,
3824230.5,     819.1,     819.1,       0.0);
     ( 402874.0, 3824245.9,     819.0,     819.0,       0.0);         ( 402854.9,
3824261.3,     817.2,     818.9,       0.0);
     ( 402835.8, 3824276.8,     815.1,     819.1,       0.0);         ( 402816.7,
3824292.2,     816.4,     819.2,       0.0);
     ( 402797.6, 3824307.6,     818.4,     818.4,       0.0);         ( 402778.5,
3824323.0,     818.7,     818.7,       0.0);
     ( 402759.4, 3824338.4,     818.2,     818.2,       0.0);         ( 402740.3,
3824353.8,     818.0,     818.0,       0.0);
     ( 402721.2, 3824369.2,     818.0,     818.0,       0.0);         ( 402702.2,
3824384.6,     818.1,     818.1,       0.0);
     ( 402683.1, 3824400.0,     818.3,     818.3,       0.0);         ( 402664.0,
3824415.4,     818.2,     818.2,       0.0);
     ( 402644.9, 3824430.8,     818.5,     818.5,       0.0);         ( 402625.8,
3824446.2,     818.5,     818.5,       0.0);
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(402606.7, 3824461.7, 818.2, 818.2, 0.0); (402587.6, 3824477.1, 817.8, 817.8, 0.0);
(402568.5, 3824492.5, 817.5, 817.5, 0.0); (402549.5, 3824507.9, 817.1, 817.1, 0.0);
(402530.4, 3824523.3, 816.6, 816.6, 0.0); (402511.3, 3824538.7, 815.9, 815.9, 0.0);
(402492.2, 3824554.1, 816.0, 816.0, 0.0); (402473.1, 3824569.5, 815.7, 815.7, 0.0);
(402454.0, 3824584.9, 815.6, 815.6, 0.0); (402434.9, 3824600.3, 815.5, 815.5, 0.0);
(402415.8, 3824615.8, 815.2, 815.2, 0.0); (402396.8, 3824631.2, 815.2, 815.2, 0.0);
(402377.7, 3824646.6, 815.7, 815.7, 0.0); (402358.6, 3824662.0, 815.8, 815.8, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(402339.5, 3824677.4, 814.8, 814.8, 0.0); (402320.4, 3824692.8, 814.2, 814.2, 0.0);
(402301.3, 3824708.2, 813.8, 813.8, 0.0); (402282.2, 3824723.6, 814.1, 814.1, 0.0);
(402263.1, 3824739.0, 814.3, 814.3, 0.0); (402244.1, 3824754.4, 813.8, 813.8, 0.0);
(402225.0, 3824769.8, 813.1, 813.1, 0.0); (402205.9, 3824785.2, 812.8, 812.8, 0.0);
(402186.8, 3824800.7, 813.3, 813.3, 0.0); (402167.7, 3824816.1, 813.6, 813.6, 0.0);
(402148.6, 3824831.5, 813.7, 813.7, 0.0); (402129.5, 3824846.9, 813.6, 813.6, 0.0);
(402110.5, 3824862.3, 814.0, 814.0, 0.0); (402091.4, 3824877.7, 813.1, 813.1, 0.0);
(402072.3, 3824893.1, 812.5, 812.5, 0.0); (402053.2, 3824908.5, 812.5, 812.5, 0.0);
(402034.1, 3824923.9, 812.1, 812.1, 0.0); (402015.0, 3824939.3, 811.8, 811.8, 0.0);
(401995.9, 3824954.8, 811.6, 811.6, 0.0); (401976.8, 3824970.2, 811.4, 811.4, 0.0);
(401957.8, 3824985.6, 811.2, 811.2, 0.0); (401938.7, 3825001.0, 811.0, 811.0, 0.0);
(401919.6, 3825016.4, 810.8, 810.8, 0.0); (401900.5, 3825031.8, 810.6, 810.6, 0.0);

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     ( 401881.4, 3825047.2,     810.4,     810.4,       0.0);         ( 401862.3,
3825062.6,     810.1,     810.1,       0.0);
     ( 401843.2, 3825078.0,     810.1,     810.1,       0.0);         ( 401824.1,
3825093.4,     810.0,     810.0,       0.0);
     ( 401805.0, 3825108.8,     809.9,     809.9,       0.0);         ( 401786.0,
3825124.2,     809.6,     809.6,       0.0);
     ( 401766.9, 3825139.7,     809.4,     809.4,       0.0);         ( 401747.8,
3825155.1,     809.4,     809.4,       0.0);
     ( 401728.7, 3825170.5,     809.3,     809.3,       0.0);         ( 401709.6,
3825185.9,     809.0,     809.0,       0.0);
     ( 401690.5, 3825201.3,     808.6,     808.6,       0.0);         ( 401671.4,
3825216.7,     808.4,     808.4,       0.0);
     ( 401652.3, 3825232.1,     808.3,     808.3,       0.0);         ( 401633.3,
3825247.5,     808.0,     808.0,       0.0);
     ( 401614.2, 3825262.9,     807.8,     807.8,       0.0);         ( 401595.1,
3825278.3,     807.5,     807.5,       0.0);
     ( 401576.0, 3825293.8,     807.3,     807.3,       0.0);         ( 401556.9,
3825309.2,     807.1,     807.1,       0.0);
     ( 401537.8, 3825324.6,     807.0,     807.0,       0.0);         ( 401518.7,
3825340.0,     807.0,     807.0,       0.0);
     ( 401499.6, 3825355.4,     807.0,     807.0,       0.0);         ( 401480.6,
3825370.8,     807.1,     807.1,       0.0);
     ( 401461.5, 3825386.2,     807.1,     807.1,       0.0);         ( 401442.4,
3825401.6,     807.0,     807.0,       0.0);
     ( 401423.3, 3825417.0,     806.8,     806.8,       0.0);         ( 401404.2,
3825432.4,     807.0,     807.0,       0.0);
     ( 401385.1, 3825447.8,     807.2,     807.2,       0.0);         ( 401366.0,
3825463.2,     807.0,     807.0,       0.0);
     ( 401347.0, 3825478.7,     806.7,     806.7,       0.0);         ( 401327.9,
3825494.1,     806.5,     806.5,       0.0);
     ( 401308.8, 3825509.5,     806.8,     806.8,       0.0);         ( 401289.7,
3825524.9,     807.0,     807.0,       0.0);
     ( 401270.6, 3825540.3,     807.1,     807.1,       0.0);         ( 401251.5,
3825555.7,     807.4,     807.4,       0.0);
     ( 401232.4, 3825571.1,     806.9,     806.9,       0.0);         ( 401213.3,
3825586.5,     806.8,     806.8,       0.0);
     ( 401194.2, 3825601.9,     807.0,     807.0,       0.0);         ( 401175.2,
3825617.3,     806.6,     806.6,       0.0);
     ( 401156.1, 3825632.8,     806.2,     806.2,       0.0);         ( 401137.0,
3825648.2,     805.9,     805.9,       0.0);
     ( 401117.9, 3825663.6,     805.9,     805.9,       0.0);         ( 401098.8,
3825679.0,     806.0,     806.0,       0.0);
     ( 401079.7, 3825694.4,     806.3,     806.3,       0.0);         ( 401060.6,
3825709.8,     806.8,     806.8,       0.0);
     ( 401041.6, 3825725.2,     807.0,     807.0,       0.0);         ( 401022.5,
3825740.6,     806.6,     806.6,       0.0);
     ( 401003.4, 3825756.0,     806.3,     806.3,       0.0);         ( 400984.3,
3825771.4,     806.2,     806.2,       0.0);
     ( 400965.2, 3825786.8,     806.1,     806.1,       0.0);         ( 400946.1,
3825802.2,     806.5,     806.5,       0.0);
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(400927.0, 3825817.7, 806.1, 806.1, 0.0); (400907.9, 3825833.1, 805.8, 805.8, 0.0);
(400888.9, 3825848.5, 805.7, 805.7, 0.0); (400869.8, 3825863.9, 805.7, 805.7, 0.0);
(400850.7, 3825879.3, 805.1, 805.1, 0.0); (400831.6, 3825894.7, 805.3, 805.3, 0.0);
(400812.5, 3825910.1, 805.5, 805.5, 0.0); (400793.4, 3825925.5, 805.4, 805.4, 0.0);
(400774.3, 3825940.9, 805.2, 805.2, 0.0); (400755.2, 3825956.3, 804.8, 804.8, 0.0);
(400736.2, 3825971.8, 804.6, 804.6, 0.0); (400717.1, 3825987.2, 804.8, 804.8, 0.0);
(400698.0, 3826002.6, 804.6, 804.6, 0.0); (400678.9, 3826018.0, 804.0, 804.0, 0.0);
(400659.8, 3826033.4, 803.8, 803.8, 0.0); (400640.7, 3826048.8, 804.1, 804.1, 0.0);

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

(400621.6, 3826064.2, 803.9, 803.9, 0.0); (400602.5, 3826079.6, 803.7, 803.7, 0.0);
(400583.5, 3826095.0, 803.5, 803.5, 0.0); (400564.4, 3826110.4, 803.8, 803.8, 0.0);
(400545.3, 3826125.8, 804.2, 804.2, 0.0); (400526.2, 3826141.2, 803.8, 803.8, 0.0);
(400507.1, 3826156.7, 803.3, 803.3, 0.0); (400488.0, 3826172.1, 803.0, 803.0, 0.0);
(400468.9, 3826187.5, 802.9, 802.9, 0.0); (400449.8, 3826202.9, 802.6, 802.6, 0.0);
(400430.8, 3826218.3, 802.4, 802.4, 0.0); (400411.7, 3826233.7, 802.0, 802.0, 0.0);
(400392.6, 3826249.1, 801.8, 801.8, 0.0); (400373.5, 3826264.5, 801.8, 801.8, 0.0);
(400354.4, 3826279.9, 801.9, 801.9, 0.0); (400335.3, 3826295.3, 802.0, 802.0, 0.0);
(400316.2, 3826310.8, 802.0, 802.0, 0.0); (400297.1, 3826326.2, 801.1, 801.1, 0.0);
(400278.1, 3826341.6, 799.8, 799.8, 0.0); (400259.0, 3826357.0, 799.1, 799.1, 0.0);
(400239.9, 3826372.4, 799.1, 799.1, 0.0); (400220.8, 3826387.8, 799.0, 799.0, 0.0);

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     ( 400201.7, 3826403.2,     799.2,     799.2,       0.0);         ( 400182.6,
3826418.6,     799.4,     799.4,       0.0);
     ( 400163.5, 3826434.0,     799.4,     799.4,       0.0);         ( 400144.5,
3826449.4,     799.1,     799.1,       0.0);
     ( 400125.4, 3826464.8,     799.0,     799.0,       0.0);         ( 400106.3,
3826480.2,     798.9,     798.9,       0.0);
     ( 400087.2, 3826495.7,     798.7,     798.7,       0.0);         ( 400068.1,
3826511.1,     798.4,     798.4,       0.0);
     ( 400049.0, 3826526.5,     798.5,     798.5,       0.0);         ( 400029.9,
3826541.9,     798.4,     798.4,       0.0);
     ( 400010.8, 3826557.3,     798.2,     798.2,       0.0);         ( 399991.8,
3826572.7,     797.9,     797.9,       0.0);
     ( 399972.7, 3826588.1,     797.8,     797.8,       0.0);         ( 399953.6,
3826603.5,     797.7,     797.7,       0.0);
     ( 399934.5, 3826618.9,     797.5,     797.5,       0.0);         ( 399915.4,
3826634.3,     797.4,     797.4,       0.0);
     ( 399896.3, 3826649.8,     797.3,     797.3,       0.0);         ( 399877.2,
3826665.2,     797.1,     797.1,       0.0);
     ( 399858.1, 3826680.6,     796.6,     796.6,       0.0);         ( 399839.0,
3826696.0,     796.6,     796.6,       0.0);
     ( 399820.0, 3826711.4,     796.5,     796.5,       0.0);         ( 399800.9,
3826726.8,     796.2,     796.2,       0.0);
     ( 399781.8, 3826742.2,     795.9,     795.9,       0.0);         ( 399762.7,
3826757.6,     795.9,     795.9,       0.0);
     ( 399743.6, 3826773.0,     796.1,     796.1,       0.0);         ( 399724.5,
3826788.4,     796.3,     796.3,       0.0);
     ( 399705.4, 3826803.8,     796.4,     796.4,       0.0);         ( 399686.3,
3826819.2,     796.5,     796.5,       0.0);
     ( 399667.3, 3826834.7,     796.8,     796.8,       0.0);         ( 399648.2,
3826850.1,     797.0,     797.0,       0.0);
     ( 399629.1, 3826865.5,     797.1,     797.1,       0.0);         ( 399585.5,
3826881.6,     797.3,     797.3,       0.0);
     ( 399561.0, 3826882.3,     797.5,     797.5,       0.0);         ( 399536.4,
3826883.0,     797.6,     797.6,       0.0);
     ( 399511.9, 3826883.7,     797.4,     797.4,       0.0);         ( 399487.4,
3826884.4,     797.3,     797.3,       0.0);
     ( 399462.9, 3826885.1,     797.5,     797.5,       0.0);         ( 399438.3,
3826885.8,     797.7,     797.7,       0.0);
     ( 399413.8, 3826886.5,     798.0,     798.0,       0.0);         ( 399389.3,
3826887.2,     798.3,     798.3,       0.0);
     ( 399364.8, 3826887.9,     798.7,     798.7,       0.0);         ( 399340.3,
3826888.6,     798.7,     798.7,       0.0);
     ( 399315.8, 3826889.3,     798.8,     798.8,       0.0);         ( 399291.2,
3826890.0,     799.0,     799.0,       0.0);
     ( 399266.7, 3826890.7,     799.0,     799.0,       0.0);         ( 399242.2,
3826891.4,     799.0,     799.0,       0.0);
     ( 399217.7, 3826892.1,     799.5,     799.5,       0.0);         ( 399193.1,
3826892.8,     799.6,     799.6,       0.0);
     ( 399168.6, 3826893.5,     799.4,     799.4,       0.0);         ( 399144.1,
3826894.2,     799.9,     799.9,       0.0);
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(398678.2, 3826907.6, 802.4, 802.4, 0.0); (398653.7,
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(398629.2, 3826909.0, 802.4, 802.4, 0.0); (398604.6,
3826909.7, 802.5, 802.5, 0.0);
(398580.1, 3826910.4, 802.7, 802.7, 0.0); (398555.6,
3826911.1, 803.1, 803.1, 0.0);
(398531.1, 3826911.8, 803.3, 803.3, 0.0); (398506.6,
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(398433.0, 3826914.6, 804.1, 804.1, 0.0); (398408.5,
3826915.3, 804.4, 804.4, 0.0);
(398384.0, 3826916.0, 804.3, 804.3, 0.0); (398359.4,
3826916.7, 804.3, 804.3, 0.0);
(398334.9, 3826917.4, 804.3, 804.3, 0.0); (398310.4,
3826918.1, 805.0, 805.0, 0.0);
(398285.9, 3826918.8, 804.8, 804.8, 0.0); (398261.3,
3826919.5, 804.9, 804.9, 0.0);
(398236.8, 3826920.2, 805.3, 805.3, 0.0); (398212.3,
3826920.9, 805.5, 805.5, 0.0);

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    ( 398187.8, 3826921.6,     805.8,     805.8,       0.0);         ( 398163.3,
3826922.3,     806.0,     806.0,       0.0);
    ( 398138.7, 3826923.0,     806.2,     806.2,       0.0);         ( 398114.2,
3826923.7,     806.4,     806.4,       0.0);
    ( 398089.7, 3826924.4,     806.6,     806.6,       0.0);         ( 398065.2,
3826925.1,     806.8,     806.8,       0.0);
    ( 398040.7, 3826925.8,     807.0,     807.0,       0.0);         ( 398016.1,
3826926.5,     807.4,     807.4,       0.0);
    ( 397991.6, 3826927.2,     807.5,     807.5,       0.0);         ( 397967.1,
3826927.9,     807.7,     807.7,       0.0);
    ( 397942.6, 3826928.6,     808.0,     808.0,       0.0);         ( 397918.1,
3826929.3,     808.1,     808.1,       0.0);
    ( 397893.5, 3826930.0,     808.3,     808.3,       0.0);         ( 397869.0,
3826930.8,     808.6,     808.6,       0.0);
    ( 397844.5, 3826931.5,     808.7,     808.7,       0.0);         ( 397820.0,
3826932.2,     808.8,     808.8,       0.0);
    ( 397795.5, 3826932.9,     808.7,     808.7,       0.0);         ( 397770.9,
3826933.6,     809.0,     809.0,       0.0);
    ( 397746.4, 3826934.3,     809.3,     809.3,       0.0);         ( 397721.9,
3826935.0,     809.4,     809.4,       0.0);
    ( 397697.4, 3826935.7,     809.5,     809.5,       0.0);         ( 397672.8,
3826936.4,     809.6,     809.6,       0.0);
    ( 397648.3, 3826937.1,     810.5,     810.5,       0.0);         ( 397623.8,
3826937.8,     810.6,     810.6,       0.0);
    ( 397599.3, 3826938.5,     810.4,     810.4,       0.0);         ( 397574.8,
3826939.2,     810.4,     810.4,       0.0);
    ( 397550.2, 3826939.9,     811.0,     811.0,       0.0);         ( 397525.7,
3826940.6,     811.3,     811.3,       0.0);
    ( 397501.2, 3826941.3,     810.9,     810.9,       0.0);         ( 397476.7,
3826942.0,     811.4,     811.4,       0.0);
    ( 397452.2, 3826942.7,     812.1,     812.1,       0.0);         ( 397427.6,
3826943.4,     812.3,     812.3,       0.0);
    ( 397403.1, 3826944.1,     812.6,     812.6,       0.0);         ( 397378.6,
3826944.8,     812.8,     812.8,       0.0);
    ( 397354.1, 3826945.5,     813.0,     813.0,       0.0);         ( 397329.5,
3826946.2,     813.3,     813.3,       0.0);
    ( 397305.0, 3826946.9,     813.5,     813.5,       0.0);         ( 397280.5,
3826947.6,     813.5,     813.5,       0.0);
    ( 397256.0, 3826948.3,     813.4,     813.4,       0.0);         ( 397231.5,
3826949.0,     813.4,     813.4,       0.0);
    ( 397207.0, 3826949.7,     813.8,     813.8,       0.0);         ( 397182.4,
3826950.4,     814.3,     814.3,       0.0);
    ( 397157.9, 3826951.1,     814.5,     814.5,       0.0);         ( 397133.4,
3826951.8,     814.7,     814.7,       0.0);
    ( 397108.9, 3826952.5,     814.9,     814.9,       0.0);         ( 397084.3,
3826953.2,     815.2,     815.2,       0.0);
    ( 397059.8, 3826953.9,     815.5,     815.5,       0.0);         ( 397035.3,
3826954.6,     815.5,     815.5,       0.0);
    ( 397010.8, 3826955.3,     815.3,     815.3,       0.0);         ( 396986.3,
3826956.0,     815.4,     815.4,       0.0);
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(396961.7, 3826956.7, 815.5, 815.5, 0.0); (396937.2, 3826957.4, 815.6, 815.6, 0.0);
(396912.7, 3826958.1, 815.8, 815.8, 0.0); (396888.2, 3826958.8, 816.2, 816.2, 0.0);
(396863.6, 3826959.5, 816.5, 816.5, 0.0); (396839.1, 3826960.2, 816.6, 816.6, 0.0);
(396814.6, 3826960.9, 817.1, 817.1, 0.0); (396790.1, 3826961.7, 817.4, 817.4, 0.0);
(396765.6, 3826962.4, 817.6, 817.6, 0.0); (396741.0, 3826963.1, 817.8, 817.8, 0.0);
(396716.5, 3826963.8, 817.9, 817.9, 0.0); (396692.0, 3826964.5, 818.1, 818.1, 0.0);
(396667.5, 3826965.2, 818.3, 818.3, 0.0); (396643.0, 3826965.9, 818.5, 818.5, 0.0);
(396618.5, 3826966.6, 818.6, 818.6, 0.0); (396593.9, 3826967.3, 818.8, 818.8, 0.0);
(396569.4, 3826968.0, 819.2, 819.2, 0.0); (396544.9, 3826968.7, 819.7, 819.7, 0.0);
(396520.4, 3826969.4, 819.6, 819.6, 0.0); (396495.8, 3826970.1, 820.0, 820.0, 0.0);

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

(396471.3, 3826970.8, 820.2, 820.2, 0.0); (396446.8, 3826971.5, 820.1, 820.1, 0.0);
(396422.3, 3826972.2, 819.7, 819.7, 0.0); (396397.8, 3826972.9, 819.5, 819.5, 0.0);
(396373.2, 3826973.6, 820.3, 820.3, 0.0); (396348.7, 3826974.3, 820.1, 820.1, 0.0);
(396324.2, 3826975.0, 820.3, 820.3, 0.0); (396299.7, 3826975.7, 820.4, 820.4, 0.0);
(396275.1, 3826976.4, 820.5, 820.5, 0.0); (396250.6, 3826977.1, 820.7, 820.7, 0.0);
(396226.1, 3826977.8, 820.7, 820.7, 0.0); (396201.6, 3826978.5, 820.4, 820.4, 0.0);
(396177.1, 3826979.2, 820.3, 820.3, 0.0); (396152.5, 3826979.9, 820.5, 1377.7, 0.0);
(396128.0, 3826980.6, 820.7, 1377.7, 0.0); (396103.5, 3826981.3, 821.3, 1377.7, 0.0);
(396079.0, 3826982.0, 822.9, 822.9, 0.0); (396054.5, 3826982.7, 824.5, 824.5, 0.0);

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    ( 396029.9, 3826983.4,     825.8,     825.8,       0.0);         ( 396005.4,
3826984.1,     826.5,     826.5,       0.0);
    ( 395980.9, 3826984.8,     825.9,     825.9,       0.0);         ( 395956.4,
3826985.5,     825.1,    1377.7,       0.0);
    ( 395931.9, 3826986.2,     824.7,    1377.7,       0.0);         ( 395907.3,
3826986.9,     825.2,    1377.7,       0.0);
    ( 395882.8, 3826987.6,     825.7,    1377.7,       0.0);         ( 395858.3,
3826988.3,     826.1,    1377.7,       0.0);
    ( 395833.8, 3826989.0,     826.5,    1377.7,       0.0);         ( 395809.2,
3826989.8,     827.1,    1377.7,       0.0);
    ( 395784.7, 3826990.4,     827.4,    1380.0,       0.0);         ( 395760.2,
3826991.1,     827.7,    1380.0,       0.0);
    ( 395735.7, 3826991.9,     828.3,    1380.0,       0.0);         ( 395711.2,
3826992.6,     828.9,    1377.7,       0.0);
    ( 395686.6, 3826993.3,     829.2,    1377.7,       0.0);         ( 395662.1,
3826994.0,     829.9,    1377.7,       0.0);
    ( 395637.6, 3826994.7,     830.6,    1377.7,       0.0);         ( 395613.1,
3826995.4,     831.2,    1377.7,       0.0);
    ( 395588.6, 3826996.1,     831.7,    1377.7,       0.0);         ( 395564.0,
3826996.8,     833.5,     988.9,       0.0);
    ( 395539.5, 3826997.5,     833.7,     988.9,       0.0);         ( 395515.0,
3826998.2,     834.0,     988.9,       0.0);
    ( 395490.5, 3826998.9,     835.4,     988.9,       0.0);         ( 395466.0,
3826999.6,     835.6,     988.9,       0.0);
    ( 395441.4, 3827000.3,     835.5,     988.9,       0.0);         ( 395416.9,
3827001.0,     836.6,     988.9,       0.0);
    ( 395392.4, 3827001.7,     837.8,     988.9,       0.0);         ( 395367.9,
3827002.4,     838.7,     988.9,       0.0);
    ( 395343.4, 3827003.1,     838.7,     988.9,       0.0);         ( 395318.8,
3827003.8,     839.3,     988.9,       0.0);
    ( 395294.3, 3827004.5,     841.2,     988.9,       0.0);         ( 395269.8,
3827005.2,     842.1,     988.9,       0.0);
    ( 395245.3, 3827005.9,     842.8,     988.9,       0.0);         ( 395220.8,
3827006.6,     844.1,     988.9,       0.0);
    ( 395196.2, 3827007.3,     844.8,     988.9,       0.0);         ( 395171.7,
3827008.0,     845.9,     988.9,       0.0);
    ( 395147.2, 3827008.7,     846.9,     988.9,       0.0);         ( 395122.7,
3827009.4,     846.0,     988.9,       0.0);
    ( 395098.1, 3827010.1,     849.0,     988.9,       0.0);         ( 395073.6,
3827010.8,     850.6,     988.9,       0.0);
    ( 395049.1, 3827011.5,     851.0,     988.9,       0.0);         ( 395024.6,
3827012.2,     851.9,     988.9,       0.0);
    ( 395000.1, 3827012.9,     851.6,     988.9,       0.0);         ( 394975.5,
3827013.6,     850.6,     988.9,       0.0);
    ( 394951.0, 3827014.3,     851.2,     988.9,       0.0);         ( 394926.5,
3827015.0,     854.4,     988.9,       0.0);
    ( 394902.0, 3827015.7,     855.9,     988.9,       0.0);         ( 394877.5,
3827016.4,     855.9,     988.9,       0.0);
    ( 394852.9, 3827017.1,     856.0,     988.9,       0.0);         ( 394828.4,
3827017.8,     857.3,     988.9,       0.0);
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(394803.9, 3827018.5, 859.2, 988.9, 0.0); (394779.4, 3827019.2, 860.0, 1582.1, 0.0);
(394754.8, 3827019.9, 860.7, 1582.8, 0.0); (394730.3, 3827020.6, 862.4, 1582.8, 0.0);
(394705.8, 3827021.3, 864.1, 1583.0, 0.0); (394681.3, 3827022.1, 865.6, 1583.0, 0.0);
(394656.8, 3827022.8, 867.8, 1583.0, 0.0); (394632.2, 3827023.5, 870.4, 1583.0, 0.0);
(394607.7, 3827024.2, 872.6, 1582.8, 0.0); (394583.2, 3827024.9, 873.3, 1584.3, 0.0);
(394558.7, 3827025.6, 874.6, 1585.6, 0.0); (394534.2, 3827026.3, 875.4, 1586.4, 0.0);
(394509.6, 3827027.0, 878.3, 1585.6, 0.0); (394485.1, 3827027.7, 879.8, 1586.4, 0.0);
(394460.6, 3827028.4, 880.6, 1586.4, 0.0); (394436.1, 3827029.1, 882.0, 1586.4, 0.0);
(394411.6, 3827029.8, 883.6, 1586.4, 0.0); (394387.0, 3827030.5, 886.1, 1586.4, 0.0);
(394362.5, 3827031.2, 889.3, 1586.4, 0.0); (394338.0, 3827031.9, 891.0, 1586.4, 0.0);
(394313.5, 3827032.6, 892.2, 1586.4, 0.0); (394289.0, 3827033.3, 893.0, 1587.1, 0.0);

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

(394264.4, 3827034.0, 893.6, 1587.1, 0.0); (394239.9, 3827034.7, 894.8, 1587.1, 0.0);
(394215.4, 3827035.4, 895.6, 1587.1, 0.0); (394190.9, 3827036.1, 896.3, 1587.1, 0.0);
(394166.3, 3827036.8, 897.3, 1587.1, 0.0); (394141.8, 3827037.5, 898.0, 1587.1, 0.0);
(394117.3, 3827038.2, 898.2, 1587.1, 0.0); (394092.8, 3827038.9, 898.8, 1587.1, 0.0);
(394068.3, 3827039.6, 899.6, 1587.1, 0.0); (394043.8, 3827040.3, 900.1, 1587.1, 0.0);
(394019.2, 3827041.0, 900.4, 1587.1, 0.0); (393994.7, 3827041.7, 900.9, 1587.1, 0.0);
(393970.2, 3827042.4, 902.0, 1587.1, 0.0); (393945.7, 3827043.1, 903.6, 1587.1, 0.0);
(393921.1, 3827043.8, 905.9, 1587.1, 0.0); (393896.6, 3827044.5, 906.7, 1587.1, 0.0);

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     ( 393872.1, 3827045.2,     907.6,    1587.1,       0.0);         ( 393847.6,
3827045.9,     910.0,    1587.1,       0.0);
     ( 393823.1, 3827046.6,     914.8,    1587.1,       0.0);         ( 393798.5,
3827047.3,     921.0,    1587.1,       0.0);
     ( 393774.0, 3827048.0,     919.1,    1587.1,       0.0);         ( 393749.5,
3827048.7,     919.3,    1587.1,       0.0);
     ( 393725.0, 3827049.4,     919.9,    1587.1,       0.0);         ( 393700.5,
3827050.1,     923.0,    1587.1,       0.0);
     ( 393675.9, 3827050.8,     923.6,    1587.1,       0.0);         ( 393651.4,
3827051.5,     921.7,    1587.1,       0.0);
     ( 393626.9, 3827052.3,     921.5,    1587.1,       0.0);         ( 393602.4,
3827053.0,     923.0,    1587.1,       0.0);
     ( 393577.8, 3827053.7,     923.9,    1587.1,       0.0);         ( 393553.3,
3827054.4,     927.0,    1587.1,       0.0);
     ( 393528.8, 3827055.1,     935.1,    1587.1,       0.0);         ( 393504.3,
3827055.8,     939.4,    1587.1,       0.0);
     ( 393479.8, 3827056.5,     941.4,    1587.1,       0.0);         ( 393455.2,
3827057.2,     945.2,    1587.1,       0.0);
     ( 393430.7, 3827057.9,     948.7,    1587.1,       0.0);         ( 393406.2,
3827058.6,     947.7,    1587.1,       0.0);
     ( 393381.7, 3827059.3,     939.9,    1587.1,       0.0);         ( 393357.2,
3827060.0,     933.3,    1587.1,       0.0);
     ( 393332.6, 3827060.7,     929.2,    1587.1,       0.0);         ( 393308.1,
3827061.4,     925.5,    1587.1,       0.0);
     ( 393283.6, 3827062.1,     924.4,    1587.1,       0.0);         ( 393259.1,
3827062.8,     926.1,    1587.1,       0.0);
     ( 393234.6, 3827063.5,     924.6,    1587.1,       0.0);         ( 393210.0,
3827064.2,     924.5,    1587.1,       0.0);
     ( 393185.5, 3827064.9,     929.9,    1587.1,       0.0);         ( 393161.0,
3827065.6,     936.8,    1587.1,       0.0);
     ( 393136.5, 3827066.3,     941.5,    1587.1,       0.0);         ( 393112.0,
3827067.0,     951.3,    1587.1,       0.0);
     ( 393087.4, 3827067.7,     955.8,    1587.1,       0.0);         ( 393062.9,
3827068.4,     961.7,    1587.1,       0.0);
     ( 393038.4, 3827069.1,     965.4,    1587.1,       0.0);         ( 393013.9,
3827069.8,     968.3,    1587.1,       0.0);
     ( 392989.3, 3827070.5,     965.1,    1587.1,       0.0);         ( 392964.8,
3827071.2,     959.1,    1587.1,       0.0);
     ( 392940.3, 3827071.9,     952.5,    1587.1,       0.0);         ( 392915.8,
3827072.6,     953.2,    1587.1,       0.0);
     ( 404840.0, 3822658.8,     844.4,     844.4,       0.0);         ( 404853.1,
3822638.0,     844.7,     844.7,       0.0);
     ( 405946.0, 3823389.6,     837.2,     837.2,       0.0);         ( 405926.8,
3823405.1,     837.0,     837.0,       0.0);
     ( 405907.7, 3823420.5,     836.8,     836.8,       0.0);         ( 405888.6,
3823436.0,     836.6,     836.6,       0.0);
     ( 405869.4, 3823451.4,     836.3,     836.3,       0.0);         ( 405850.3,
3823466.9,     836.1,     836.1,       0.0);
     ( 405831.2, 3823482.3,     835.9,     835.9,       0.0);         ( 405812.0,
3823497.8,     835.7,     835.7,       0.0);
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(405792.9, 3823513.2, 835.5, 835.5, 0.0); (405773.8, 3823528.7, 835.3, 835.3, 0.0);
(405754.6, 3823544.1, 835.0, 835.0, 0.0); (405735.5, 3823559.6, 834.7, 834.7, 0.0);
(405716.4, 3823575.0, 833.6, 833.6, 0.0); (405697.2, 3823590.4, 833.5, 833.5, 0.0);
(405678.1, 3823605.9, 833.6, 833.6, 0.0); (405659.0, 3823621.3, 832.9, 832.9, 0.0);
(405639.8, 3823636.8, 833.3, 833.3, 0.0); (405620.7, 3823652.2, 833.1, 833.1, 0.0);
(405601.6, 3823667.7, 832.8, 832.8, 0.0); (405582.4, 3823683.1, 832.7, 832.7, 0.0);
(405563.3, 3823698.6, 832.8, 832.8, 0.0); (405544.2, 3823714.0, 832.4, 832.4, 0.0);
(405525.0, 3823729.5, 831.9, 831.9, 0.0); (405505.9, 3823744.9, 831.7, 831.7, 0.0);
(405486.8, 3823760.4, 832.1, 832.1, 0.0); (405467.6, 3823775.8, 831.8, 831.8, 0.0);
(405448.5, 3823791.2, 831.5, 831.5, 0.0); (405429.4, 3823806.7, 831.1, 831.1, 0.0);
(405410.2, 3823822.1, 830.8, 830.8, 0.0); (405391.1, 3823837.6, 831.0, 831.0, 0.0);
(405372.0, 3823853.0, 831.3, 831.3, 0.0); (405352.8, 3823868.5, 830.8, 830.8, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(405333.7, 3823883.9, 830.5, 830.5, 0.0); (405314.6, 3823899.4, 830.1, 830.1, 0.0);
(405295.4, 3823914.8, 829.4, 829.4, 0.0); (405276.3, 3823930.3, 829.1, 829.1, 0.0);
(405257.2, 3823945.7, 829.6, 829.6, 0.0); (405238.0, 3823961.1, 829.2, 829.2, 0.0);
(405218.9, 3823976.6, 828.6, 828.6, 0.0); (405199.8, 3823992.0, 828.5, 828.5, 0.0);
(405180.6, 3824007.5, 828.8, 828.8, 0.0); (405161.5, 3824022.9, 828.3, 828.3, 0.0);
(405142.4, 3824038.4, 827.6, 827.6, 0.0); (405123.2, 3824053.8, 827.1, 827.1, 0.0);
(405104.1, 3824069.3, 826.8, 826.8, 0.0); (405085.0, 3824084.7, 826.8, 826.8, 0.0);

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    ( 405065.8, 3824100.2,     827.1,     827.1,       0.0);         ( 405046.7,
3824115.6,     826.9,     826.9,       0.0);
    ( 405027.6, 3824131.1,     826.3,     826.3,       0.0);         ( 405008.4,
3824146.5,     825.9,     825.9,       0.0);
    ( 404989.3, 3824161.9,     826.0,     826.0,       0.0);         ( 404970.2,
3824177.4,     826.0,     826.0,       0.0);
    ( 404951.0, 3824192.8,     825.4,     825.4,       0.0);         ( 404931.9,
3824208.3,     825.2,     825.2,       0.0);
    ( 404912.8, 3824223.7,     824.6,     824.6,       0.0);         ( 404893.6,
3824239.2,     824.2,     824.2,       0.0);
    ( 404874.5, 3824254.6,     824.4,     824.4,       0.0);         ( 404855.4,
3824270.1,     824.3,     824.3,       0.0);
    ( 404836.2, 3824285.5,     823.8,     823.8,       0.0);         ( 404817.1,
3824301.0,     823.5,     823.5,       0.0);
    ( 404798.0, 3824316.4,     823.2,     823.2,       0.0);         ( 404778.8,
3824331.9,     823.0,     823.0,       0.0);
    ( 404759.7, 3824347.3,     822.8,     822.8,       0.0);         ( 404740.6,
3824362.8,     822.6,     822.6,       0.0);
    ( 404721.4, 3824378.2,     822.5,     822.5,       0.0);         ( 404702.3,
3824393.6,     822.3,     822.3,       0.0);
    ( 404683.2, 3824409.1,     822.1,     822.1,       0.0);         ( 404664.0,
3824424.5,     821.9,     821.9,       0.0);
    ( 404644.9, 3824440.0,     821.6,     821.6,       0.0);         ( 404625.8,
3824455.4,     821.5,     821.5,       0.0);
    ( 404606.6, 3824470.9,     821.4,     821.4,       0.0);         ( 404587.5,
3824486.3,     821.1,     821.1,       0.0);
    ( 404568.4, 3824501.8,     820.6,     820.6,       0.0);         ( 404549.2,
3824517.2,     820.3,     820.3,       0.0);
    ( 404530.1, 3824532.7,     820.0,     820.0,       0.0);         ( 404511.0,
3824548.1,     819.9,     819.9,       0.0);
    ( 404491.8, 3824563.5,     819.8,     819.8,       0.0);         ( 404472.7,
3824579.0,     819.3,     819.3,       0.0);
    ( 404453.6, 3824594.4,     819.4,     819.4,       0.0);         ( 404434.4,
3824609.9,     819.2,     819.2,       0.0);
    ( 404415.3, 3824625.3,     818.6,     818.6,       0.0);         ( 404396.2,
3824640.8,     818.1,     818.1,       0.0);
    ( 404377.0, 3824656.2,     818.0,     818.0,       0.0);         ( 404357.9,
3824671.7,     818.3,     818.3,       0.0);
    ( 404338.8, 3824687.1,     818.0,     818.0,       0.0);         ( 404319.6,
3824702.6,     817.6,     817.6,       0.0);
    ( 404300.5, 3824718.0,     817.1,     817.1,       0.0);         ( 404281.4,
3824733.5,     816.8,     816.8,       0.0);
    ( 404262.2, 3824748.9,     816.6,     816.6,       0.0);         ( 404243.1,
3824764.3,     816.3,     816.3,       0.0);
    ( 404224.0, 3824779.8,     815.9,     815.9,       0.0);         ( 404204.8,
3824795.2,     815.7,     815.7,       0.0);
    ( 404185.7, 3824810.7,     815.4,     815.4,       0.0);         ( 404166.6,
3824826.1,     813.9,     813.9,       0.0);
    ( 404147.5, 3824841.6,     813.9,     813.9,       0.0);         ( 404128.3,
3824857.0,     815.0,     815.0,       0.0);
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(404109.2, 3824872.5, 814.7, 814.7, 0.0); (404090.0, 3824887.9, 814.4, 814.4, 0.0);
(404070.9, 3824903.4, 814.2, 814.2, 0.0); (404051.8, 3824918.8, 813.9, 813.9, 0.0);
(404032.6, 3824934.3, 813.6, 813.6, 0.0); (404013.5, 3824949.7, 813.4, 813.4, 0.0);
(403994.4, 3824965.1, 813.1, 813.1, 0.0); (403975.2, 3824980.6, 812.8, 812.8, 0.0);
(403956.1, 3824996.0, 812.6, 812.6, 0.0); (403937.0, 3825011.5, 812.3, 812.3, 0.0);
(403917.8, 3825026.9, 812.1, 812.1, 0.0); (403898.7, 3825042.4, 811.9, 811.9, 0.0);
(403879.6, 3825057.8, 811.8, 811.8, 0.0); (403860.5, 3825073.3, 811.6, 811.6, 0.0);
(403841.3, 3825088.7, 811.6, 811.6, 0.0); (403822.2, 3825104.2, 811.2, 811.2, 0.0);
(403803.0, 3825119.6, 811.0, 811.0, 0.0); (403783.9, 3825135.1, 810.9, 810.9, 0.0);
(403764.8, 3825150.5, 810.9, 810.9, 0.0); (403745.6, 3825165.9, 810.9, 810.9, 0.0);
(403726.5, 3825181.4, 810.3, 810.3, 0.0); (403707.4, 3825196.8, 809.9, 809.9, 0.0);
(403688.2, 3825212.3, 810.1, 810.1, 0.0); (403669.1, 3825227.7, 810.0, 810.0, 0.0);
(403650.0, 3825243.2, 809.5, 809.5, 0.0); (403630.8, 3825258.6, 809.5, 809.5, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(403611.7, 3825274.1, 809.8, 809.8, 0.0); (403592.6, 3825289.5, 809.6, 809.6, 0.0);
(403573.5, 3825305.0, 809.5, 809.5, 0.0); (403554.3, 3825320.4, 809.2, 809.2, 0.0);
(403535.2, 3825335.8, 809.1, 809.1, 0.0); (403516.0, 3825351.3, 809.1, 809.1, 0.0);
(403496.9, 3825366.8, 808.8, 808.8, 0.0); (403477.8, 3825382.2, 808.7, 808.7, 0.0);
(403458.6, 3825397.6, 808.7, 808.7, 0.0); (403439.5, 3825413.1, 808.8, 808.8, 0.0);
(403420.4, 3825428.5, 808.9, 808.9, 0.0); (403401.2, 3825444.0, 808.4, 808.4, 0.0);

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    ( 403382.1, 3825459.4,     807.7,     807.7,       0.0);         ( 403363.0,
3825474.9,     807.6,     807.6,       0.0);
    ( 403343.8, 3825490.3,     807.2,     807.2,       0.0);         ( 403324.7,
3825505.8,     806.4,     806.4,       0.0);
    ( 403305.6, 3825521.2,     805.6,     805.6,       0.0);         ( 403286.5,
3825536.6,     805.0,     805.0,       0.0);
    ( 403267.3, 3825552.1,     805.1,     805.1,       0.0);         ( 403248.2,
3825567.5,     805.0,     805.0,       0.0);
    ( 403229.1, 3825583.0,     805.2,     805.2,       0.0);         ( 403209.9,
3825598.4,     805.5,     805.5,       0.0);
    ( 403190.8, 3825613.9,     805.5,     805.5,       0.0);         ( 403171.7,
3825629.3,     805.3,     805.3,       0.0);
    ( 403152.5, 3825644.8,     805.1,     805.1,       0.0);         ( 403133.4,
3825660.2,     804.9,     804.9,       0.0);
    ( 403114.3, 3825675.7,     805.1,     805.1,       0.0);         ( 403095.1,
3825691.1,     805.4,     805.4,       0.0);
    ( 403076.0, 3825706.6,     805.4,     805.4,       0.0);         ( 403056.9,
3825722.0,     805.0,     805.0,       0.0);
    ( 403037.7, 3825737.4,     804.7,     804.7,       0.0);         ( 403018.6,
3825752.9,     804.3,     804.3,       0.0);
    ( 402999.5, 3825768.3,     803.8,     803.8,       0.0);         ( 402980.3,
3825783.8,     803.3,     803.3,       0.0);
    ( 402961.2, 3825799.2,     803.6,     803.6,       0.0);         ( 402942.1,
3825814.7,     803.2,     803.2,       0.0);
    ( 402922.9, 3825830.1,     803.0,     803.0,       0.0);         ( 402903.8,
3825845.6,     803.0,     803.0,       0.0);
    ( 402884.7, 3825861.0,     802.8,     802.8,       0.0);         ( 402865.5,
3825876.5,     802.6,     802.6,       0.0);
    ( 402846.4, 3825891.9,     802.4,     802.4,       0.0);         ( 402827.3,
3825907.4,     802.2,     802.2,       0.0);
    ( 402808.1, 3825922.8,     802.0,     802.0,       0.0);         ( 402789.0,
3825938.2,     801.9,     801.9,       0.0);
    ( 402769.9, 3825953.7,     801.7,     801.7,       0.0);         ( 402750.7,
3825969.1,     801.5,     801.5,       0.0);
    ( 402731.6, 3825984.6,     801.3,     801.3,       0.0);         ( 402712.5,
3826000.0,     801.2,     801.2,       0.0);
    ( 402693.3, 3826015.5,     801.0,     801.0,       0.0);         ( 402674.2,
3826030.9,     800.8,     800.8,       0.0);
    ( 402655.1, 3826046.4,     800.7,     800.7,       0.0);         ( 402635.9,
3826061.8,     800.4,     800.4,       0.0);
    ( 402616.8, 3826077.3,     800.4,     800.4,       0.0);         ( 402597.7,
3826092.7,     800.4,     800.4,       0.0);
    ( 402578.5, 3826108.2,     800.5,     800.5,       0.0);         ( 402559.4,
3826123.6,     799.8,     799.8,       0.0);
    ( 402540.3, 3826139.0,     799.7,     799.7,       0.0);         ( 402521.1,
3826154.5,     799.0,     799.0,       0.0);
    ( 402502.0, 3826169.9,     799.3,     799.3,       0.0);         ( 402482.9,
3826185.4,     799.4,     799.4,       0.0);
    ( 402463.7, 3826200.8,     799.3,     799.3,       0.0);         ( 402444.6,
3826216.3,     799.0,     799.0,       0.0);
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     ( 402425.5, 3826231.7,     798.8,     798.8,       0.0);         ( 402406.3,
3826247.2,     798.5,     798.5,       0.0);
     ( 402387.2, 3826262.6,     798.4,     798.4,       0.0);         ( 402368.1,
3826278.1,     798.3,     798.3,       0.0);
     ( 402348.9, 3826293.5,     798.2,     798.2,       0.0);         ( 402329.8,
3826309.0,     798.0,     798.0,       0.0);
     ( 402310.7, 3826324.4,     797.9,     797.9,       0.0);         ( 402291.5,
3826339.8,     797.8,     797.8,       0.0);
     ( 402272.4, 3826355.3,     797.8,     797.8,       0.0);         ( 402253.3,
3826370.7,     797.5,     797.5,       0.0);
     ( 402234.1, 3826386.2,     797.4,     797.4,       0.0);         ( 402215.0,
3826401.6,     797.3,     797.3,       0.0);
     ( 402195.9, 3826417.1,     797.3,     797.3,       0.0);         ( 402176.7,
3826432.5,     797.2,     797.2,       0.0);
     ( 402157.6, 3826448.0,     797.1,     797.1,       0.0);         ( 402138.5,
3826463.4,     797.0,     797.0,       0.0);
     ( 402119.3, 3826478.9,     796.7,     796.7,       0.0);         ( 402100.2,
3826494.3,     796.4,     796.4,       0.0);
     ( 402081.1, 3826509.8,     796.5,     796.5,       0.0);         ( 402061.9,
3826525.2,     796.6,     796.6,       0.0);
     ( 402042.8, 3826540.6,     796.7,     796.7,       0.0);         ( 402023.7,
3826556.1,     796.5,     796.5,       0.0);
     ( 402004.5, 3826571.5,     796.5,     796.5,       0.0);         ( 401985.4,
3826587.0,     796.5,     796.5,       0.0);
     ( 401966.3, 3826602.4,     796.6,     796.6,       0.0);         ( 401947.1,
3826617.9,     796.3,     796.3,       0.0);
     ( 401928.0, 3826633.3,     795.9,     795.9,       0.0);         ( 401908.9,
3826648.8,     795.9,     795.9,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                        ***       09:14:47

                                    PAGE 137
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

     ( 401889.7, 3826664.2,     795.8,     795.8,       0.0);         ( 401870.6,
3826679.7,     796.1,     796.1,       0.0);
     ( 401851.5, 3826695.1,     796.3,     796.3,       0.0);         ( 401832.3,
3826710.6,     796.0,     796.0,       0.0);
     ( 401813.2, 3826726.0,     795.7,     795.7,       0.0);         ( 401794.1,
3826741.4,     795.9,     795.9,       0.0);
     ( 401774.9, 3826756.9,     796.1,     796.1,       0.0);         ( 401755.8,
3826772.3,     795.7,     795.7,       0.0);
     ( 401736.7, 3826787.8,     795.7,     795.7,       0.0);         ( 401717.5,
3826803.2,     795.8,     795.8,       0.0);
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     ( 401698.4, 3826818.7,     795.5,     795.5,       0.0);         ( 401679.3,
3826834.1,     795.5,     795.5,       0.0);
     ( 401660.1, 3826849.6,     795.4,     795.4,       0.0);         ( 401641.0,
3826865.0,     795.0,     795.0,       0.0);
     ( 401621.9, 3826880.5,     795.0,     795.0,       0.0);         ( 401602.7,
3826895.9,     795.2,     795.2,       0.0);
     ( 401583.6, 3826911.3,     795.0,     795.0,       0.0);         ( 401564.5,
3826926.8,     794.8,     794.8,       0.0);
     ( 401545.3, 3826942.2,     794.8,     794.8,       0.0);         ( 401526.2,
3826957.7,     795.0,     795.0,       0.0);
     ( 401507.1, 3826973.1,     794.9,     794.9,       0.0);         ( 401487.9,
3826988.6,     794.7,     794.7,       0.0);
     ( 401468.8, 3827004.0,     794.6,     794.6,       0.0);         ( 401449.7,
3827019.5,     794.5,     794.5,       0.0);
     ( 401430.5, 3827034.9,     794.4,     794.4,       0.0);         ( 401411.4,
3827050.4,     794.2,     794.2,       0.0);
     ( 401392.3, 3827065.8,     794.1,     794.1,       0.0);         ( 401373.1,
3827081.3,     794.2,     794.2,       0.0);
     ( 401354.0, 3827096.7,     793.9,     793.9,       0.0);         ( 401334.9,
3827112.1,     793.6,     793.6,       0.0);
     ( 401315.7, 3827127.6,     793.4,     793.4,       0.0);         ( 401296.6,
3827143.0,     793.5,     793.5,       0.0);
     ( 401277.5, 3827158.5,     793.5,     793.5,       0.0);         ( 401258.3,
3827173.9,     793.6,     793.6,       0.0);
     ( 401239.2, 3827189.4,     793.5,     793.5,       0.0);         ( 401220.1,
3827204.8,     793.3,     793.3,       0.0);
     ( 401200.9, 3827220.3,     793.1,     793.1,       0.0);         ( 401181.8,
3827235.7,     793.0,     793.0,       0.0);
     ( 401162.7, 3827251.2,     792.9,     792.9,       0.0);         ( 401143.5,
3827266.6,     792.8,     792.8,       0.0);
     ( 401124.4, 3827282.1,     792.5,     792.5,       0.0);         ( 401105.3,
3827297.5,     792.4,     792.4,       0.0);
     ( 401086.1, 3827312.9,     792.2,     792.2,       0.0);         ( 401067.0,
3827328.4,     792.2,     792.2,       0.0);
     ( 401047.9, 3827343.8,     792.2,     792.2,       0.0);         ( 401028.7,
3827359.3,     792.1,     792.1,       0.0);
     ( 401009.6, 3827374.7,     792.1,     792.1,       0.0);         ( 400990.5,
3827390.2,     792.1,     792.1,       0.0);
     ( 400971.3, 3827405.6,     791.8,     791.8,       0.0);         ( 400952.2,
3827421.1,     791.4,     791.4,       0.0);
     ( 400933.1, 3827436.5,     791.4,     791.4,       0.0);         ( 400913.9,
3827452.0,     791.8,     791.8,       0.0);
     ( 400894.8, 3827467.4,     791.2,     791.2,       0.0);         ( 400875.7,
3827482.9,     791.0,     791.0,       0.0);
     ( 400856.5, 3827498.3,     790.9,     790.9,       0.0);         ( 400837.4,
3827513.8,     790.6,     790.6,       0.0);
     ( 400818.3, 3827529.2,     790.3,     790.3,       0.0);         ( 400799.1,
3827544.6,     790.2,     790.2,       0.0);
     ( 400780.0, 3827560.1,     790.1,     790.1,       0.0);         ( 400760.9,
3827575.5,     790.1,     790.1,       0.0);
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     ( 400741.7, 3827591.0,     790.1,     790.1,       0.0);         ( 400722.6,
3827606.4,     789.9,     789.9,       0.0);
     ( 400703.5, 3827621.9,     789.8,     789.8,       0.0);         ( 400684.3,
3827637.3,     789.6,     789.6,       0.0);
     ( 400665.2, 3827652.8,     789.6,     789.6,       0.0);         ( 400646.1,
3827668.2,     789.6,     789.6,       0.0);
     ( 400626.9, 3827683.7,     789.4,     789.4,       0.0);         ( 400607.8,
3827699.1,     789.0,     789.0,       0.0);
     ( 400588.7, 3827714.5,     789.0,     789.0,       0.0);         ( 400569.5,
3827730.0,     789.1,     789.1,       0.0);
     ( 400550.4, 3827745.4,     789.4,     789.4,       0.0);         ( 400531.3,
3827760.9,     789.5,     789.5,       0.0);
     ( 400512.1, 3827776.3,     789.7,     789.7,       0.0);         ( 400493.0,
3827791.8,     789.3,     789.3,       0.0);
     ( 400473.9, 3827807.2,     789.2,     789.2,       0.0);         ( 400454.8,
3827822.7,     789.1,     789.1,       0.0);
     ( 400435.6, 3827838.1,     789.0,     789.0,       0.0);         ( 400416.5,
3827853.6,     789.1,     789.1,       0.0);
     ( 400397.3, 3827869.0,     789.1,     789.1,       0.0);         ( 400378.2,
3827884.5,     789.1,     789.1,       0.0);
     ( 400359.1, 3827899.9,     789.0,     789.0,       0.0);         ( 400340.0,
3827915.3,     789.1,     789.1,       0.0);
     ( 400320.8, 3827930.8,     789.0,     789.0,       0.0);         ( 400301.7,
3827946.2,     789.1,     789.1,       0.0);
     ( 400282.5, 3827961.7,     789.1,     789.1,       0.0);         ( 400263.4,
3827977.1,     789.0,     789.0,       0.0);
     ( 400244.3, 3827992.6,     788.8,     788.8,       0.0);         ( 400225.1,
3828008.0,     788.7,     788.7,       0.0);
     ( 400206.0, 3828023.5,     788.9,     788.9,       0.0);         ( 400186.9,
3828038.9,     789.0,     789.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                        ***        09:14:47

                                  PAGE 138
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

     ( 400167.8, 3828054.4,     789.0,     789.0,       0.0);         ( 400148.6,
3828069.8,     789.0,     789.0,       0.0);
     ( 400129.5, 3828085.3,     789.2,     789.2,       0.0);         ( 400110.3,
3828100.7,     789.3,     789.3,       0.0);
     ( 400091.2, 3828116.1,     789.2,     789.2,       0.0);         ( 400047.5,
3828132.3,     789.0,     789.0,       0.0);
     ( 400022.9, 3828133.0,     789.1,     789.1,       0.0);         ( 399998.3,
3828133.7,     789.3,     789.3,       0.0);
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    ( 399973.8, 3828134.4,     789.5,     789.5,       0.0);         ( 399949.2,
3828135.1,     789.7,     789.7,       0.0);
    ( 399924.6, 3828135.8,     789.8,     789.8,       0.0);         ( 399900.0,
3828136.5,     790.0,     790.0,       0.0);
    ( 399875.4, 3828137.2,     790.0,     790.0,       0.0);         ( 399850.9,
3828137.9,     792.2,     792.2,       0.0);
    ( 399826.3, 3828138.6,     792.6,     792.6,       0.0);         ( 399801.7,
3828139.3,     793.2,     793.8,       0.0);
    ( 399777.1, 3828140.0,     791.2,     793.8,       0.0);         ( 399752.5,
3828140.8,     790.6,     790.6,       0.0);
    ( 399728.0, 3828141.4,     790.8,     790.8,       0.0);         ( 399703.4,
3828142.1,     791.2,     791.2,       0.0);
    ( 399678.8, 3828142.9,     791.4,     791.4,       0.0);         ( 399654.2,
3828143.6,     791.4,     791.4,       0.0);
    ( 399629.6, 3828144.3,     791.4,     791.4,       0.0);         ( 399605.1,
3828145.0,     791.5,     791.5,       0.0);
    ( 399580.5, 3828145.7,     791.7,     791.7,       0.0);         ( 399555.9,
3828146.4,     791.8,     791.8,       0.0);
    ( 399531.3, 3828147.1,     792.0,     792.0,       0.0);         ( 399506.8,
3828147.8,     792.1,     792.1,       0.0);
    ( 399482.2, 3828148.5,     792.3,     792.3,       0.0);         ( 399457.6,
3828149.2,     792.3,     792.3,       0.0);
    ( 399433.0, 3828149.9,     792.2,     792.2,       0.0);         ( 399408.4,
3828150.6,     792.3,     792.3,       0.0);
    ( 399383.8, 3828151.3,     792.4,     792.4,       0.0);         ( 399359.3,
3828152.0,     792.6,     792.6,       0.0);
    ( 399334.7, 3828152.7,     792.7,     792.7,       0.0);         ( 399310.1,
3828153.4,     792.8,     792.8,       0.0);
    ( 399285.5, 3828154.1,     792.9,     792.9,       0.0);         ( 399261.0,
3828154.8,     793.0,     793.0,       0.0);
    ( 399236.4, 3828155.5,     792.9,     792.9,       0.0);         ( 399211.8,
3828156.2,     793.1,     793.1,       0.0);
    ( 399187.2, 3828156.9,     793.4,     793.4,       0.0);         ( 399162.6,
3828157.6,     793.5,     793.5,       0.0);
    ( 399138.0, 3828158.3,     793.7,     793.7,       0.0);         ( 399113.5,
3828159.0,     793.7,     793.7,       0.0);
    ( 399088.9, 3828159.8,     793.8,     793.8,       0.0);         ( 399064.3,
3828160.5,     793.8,     793.8,       0.0);
    ( 399039.7, 3828161.2,     793.8,     793.8,       0.0);         ( 399015.1,
3828161.9,     794.1,     794.1,       0.0);
    ( 398990.6, 3828162.6,     794.5,     794.5,       0.0);         ( 398966.0,
3828163.3,     794.7,     794.7,       0.0);
    ( 398941.4, 3828164.0,     794.9,     794.9,       0.0);         ( 398916.8,
3828164.7,     795.0,     795.0,       0.0);
    ( 398892.3, 3828165.4,     795.3,     795.3,       0.0);         ( 398867.7,
3828166.1,     795.5,     795.5,       0.0);
    ( 398843.1, 3828166.8,     795.4,     795.4,       0.0);         ( 398818.5,
3828167.5,     795.2,     795.2,       0.0);
    ( 398793.9, 3828168.2,     795.5,     795.5,       0.0);         ( 398769.4,
3828168.9,     795.5,     795.5,       0.0);
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     ( 398744.8, 3828169.6,     795.5,     795.5,       0.0);         ( 398720.2,
3828170.3,     795.5,     795.5,       0.0);
     ( 398695.6, 3828171.0,     795.6,     795.6,       0.0);         ( 398671.0,
3828171.7,     795.7,     795.7,       0.0);
     ( 398646.5, 3828172.4,     795.9,     795.9,       0.0);         ( 398621.9,
3828173.1,     796.1,     796.1,       0.0);
     ( 398597.3, 3828173.8,     796.3,     796.3,       0.0);         ( 398572.7,
3828174.5,     796.4,     796.4,       0.0);
     ( 398548.1, 3828175.2,     796.6,     796.6,       0.0);         ( 398523.6,
3828175.9,     796.6,     796.6,       0.0);
     ( 398499.0, 3828176.6,     796.7,     796.7,       0.0);         ( 398474.4,
3828177.3,     796.5,     796.5,       0.0);
     ( 398449.8, 3828178.1,     796.7,     796.7,       0.0);         ( 398425.2,
3828178.8,     796.7,     796.7,       0.0);
     ( 398400.7, 3828179.5,     797.1,     797.1,       0.0);         ( 398376.1,
3828180.2,     797.3,     797.3,       0.0);
     ( 398351.5, 3828180.9,     797.6,     797.6,       0.0);         ( 398326.9,
3828181.6,     797.8,     797.8,       0.0);
     ( 398302.3, 3828182.3,     797.9,     797.9,       0.0);         ( 398277.8,
3828183.0,     798.0,     798.0,       0.0);
     ( 398253.2, 3828183.7,     798.1,     798.1,       0.0);         ( 398228.6,
3828184.4,     798.2,     798.2,       0.0);
     ( 398204.0, 3828185.1,     798.4,     798.4,       0.0);         ( 398179.4,
3828185.8,     798.6,     798.6,       0.0);
     ( 398154.9, 3828186.5,     798.9,     798.9,       0.0);         ( 398130.3,
3828187.2,     799.1,     799.1,       0.0);
     ( 398105.7, 3828187.9,     799.2,     799.2,       0.0);         ( 398081.1,
3828188.6,     799.3,     799.3,       0.0);
     ( 398056.5, 3828189.3,     799.5,     799.5,       0.0);         ( 398032.0,
3828190.0,     799.5,     799.5,       0.0);
     ( 398007.4, 3828190.7,     799.5,     799.5,       0.0);         ( 397982.8,
3828191.4,     799.7,     799.7,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                        ***        09:14:47

                                    PAGE 139
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

     ( 397958.2, 3828192.1,     799.9,     799.9,       0.0);         ( 397933.6,
3828192.8,     800.0,     800.0,       0.0);
     ( 397909.1, 3828193.5,     800.2,     800.2,       0.0);         ( 397884.5,
3828194.2,     800.3,     800.3,       0.0);
     ( 397859.9, 3828194.9,     800.3,     800.3,       0.0);         ( 397835.3,
3828195.7,     800.6,     800.6,       0.0);
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    ( 397810.8, 3828196.4,     801.5,     801.5,       0.0);         ( 397786.2,
3828197.1,     801.1,     801.1,       0.0);
    ( 397761.6, 3828197.8,     801.1,     801.1,       0.0);         ( 397737.0,
3828198.5,     801.0,     801.0,       0.0);
    ( 397712.4, 3828199.2,     800.9,     800.9,       0.0);         ( 397687.8,
3828199.9,     800.9,     800.9,       0.0);
    ( 397663.3, 3828200.6,     800.7,     800.7,       0.0);         ( 397638.7,
3828201.3,     800.6,     800.6,       0.0);
    ( 397614.1, 3828202.0,     800.5,     800.5,       0.0);         ( 397589.5,
3828202.7,     800.6,     800.6,       0.0);
    ( 397565.0, 3828203.4,     800.7,     800.7,       0.0);         ( 397540.4,
3828204.1,     800.8,     800.8,       0.0);
    ( 397515.8, 3828204.8,     800.9,     800.9,       0.0);         ( 397491.2,
3828205.5,     802.1,     802.1,       0.0);
    ( 397466.6, 3828206.2,     802.1,     802.1,       0.0);         ( 397442.0,
3828206.9,     801.9,     801.9,       0.0);
    ( 397417.5, 3828207.6,     802.4,     802.4,       0.0);         ( 397392.9,
3828208.3,     802.0,     802.0,       0.0);
    ( 397368.3, 3828209.0,     802.0,     802.0,       0.0);         ( 397343.7,
3828209.7,     802.7,     802.7,       0.0);
    ( 397319.1, 3828210.4,     802.6,     802.6,       0.0);         ( 397294.6,
3828211.1,     802.5,     802.5,       0.0);
    ( 397270.0, 3828211.8,     802.6,     802.6,       0.0);         ( 397245.4,
3828212.5,     802.6,     802.6,       0.0);
    ( 397220.8, 3828213.3,     802.8,     802.8,       0.0);         ( 397196.2,
3828214.0,     802.8,     802.8,       0.0);
    ( 397171.7, 3828214.7,     802.9,     802.9,       0.0);         ( 397147.1,
3828215.4,     802.9,     802.9,       0.0);
    ( 397122.5, 3828216.1,     803.0,     803.0,       0.0);         ( 397097.9,
3828216.8,     802.7,     802.7,       0.0);
    ( 397073.3, 3828217.5,     802.7,     802.7,       0.0);         ( 397048.8,
3828218.2,     802.7,     802.7,       0.0);
    ( 397024.2, 3828218.9,     802.7,     802.7,       0.0);         ( 396999.6,
3828219.6,     802.8,     802.8,       0.0);
    ( 396975.0, 3828220.3,     802.6,     802.6,       0.0);         ( 396950.5,
3828221.0,     802.6,     802.6,       0.0);
    ( 396925.9, 3828221.7,     802.9,     802.9,       0.0);         ( 396901.3,
3828222.4,     803.0,     803.0,       0.0);
    ( 396876.7, 3828223.1,     802.9,     802.9,       0.0);         ( 396852.1,
3828223.8,     803.0,     803.0,       0.0);
    ( 396827.6, 3828224.5,     802.7,     802.7,       0.0);         ( 396803.0,
3828225.2,     802.3,     802.3,       0.0);
    ( 396778.4, 3828225.9,     802.4,     802.4,       0.0);         ( 396753.8,
3828226.6,     802.7,     802.7,       0.0);
    ( 396729.2, 3828227.3,     802.8,     802.8,       0.0);         ( 396704.7,
3828228.0,     802.6,     802.6,       0.0);
    ( 396680.1, 3828228.8,     802.7,     802.7,       0.0);         ( 396655.5,
3828229.4,     802.9,     802.9,       0.0);
    ( 396630.9, 3828230.1,     802.9,     802.9,       0.0);         ( 396606.3,
3828230.9,     802.7,     802.7,       0.0);
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(396581.8, 3828231.6, 802.6, 802.6, 0.0); (396557.2, 3828232.3, 802.7, 802.7, 0.0);
(396532.6, 3828233.0, 802.6, 802.6, 0.0); (396508.0, 3828233.7, 802.6, 802.6, 0.0);
(396483.4, 3828234.4, 802.5, 802.5, 0.0); (396458.9, 3828235.1, 802.6, 802.6, 0.0);
(396434.3, 3828235.8, 802.7, 802.7, 0.0); (396409.7, 3828236.5, 802.8, 802.8, 0.0);
(396385.1, 3828237.2, 802.7, 802.7, 0.0); (396360.5, 3828237.9, 802.9, 802.9, 0.0);
(396336.0, 3828238.6, 803.4, 803.4, 0.0); (396311.4, 3828239.3, 803.6, 803.6, 0.0);
(396286.8, 3828240.0, 803.5, 803.5, 0.0); (396262.2, 3828240.7, 803.7, 803.7, 0.0);
(396237.6, 3828241.4, 803.8, 803.8, 0.0); (396213.1, 3828242.1, 803.8, 803.8, 0.0);
(396188.5, 3828242.8, 803.8, 803.8, 0.0); (396163.9, 3828243.5, 804.0, 804.0, 0.0);
(396139.3, 3828244.2, 804.1, 804.1, 0.0); (396114.7, 3828244.9, 804.4, 804.4, 0.0);
(396090.2, 3828245.6, 804.0, 804.0, 0.0); (396065.6, 3828246.3, 803.0, 803.0, 0.0);
(396041.0, 3828247.0, 804.7, 806.8, 0.0); (396016.4, 3828247.8, 806.9, 806.9, 0.0);
(395991.8, 3828248.5, 806.9, 806.9, 0.0); (395967.3, 3828249.2, 807.2, 807.2, 0.0);
(395942.7, 3828249.9, 807.9, 807.9, 0.0); (395918.1, 3828250.6, 808.6, 808.6, 0.0);
(395893.5, 3828251.3, 809.2, 809.2, 0.0); (395869.0, 3828252.0, 809.2, 809.2, 0.0);
(395844.4, 3828252.7, 809.0, 809.0, 0.0); (395819.8, 3828253.4, 809.0, 809.0, 0.0);
(395795.2, 3828254.1, 808.8, 808.8, 0.0); (395770.6, 3828254.8, 809.0, 809.0, 0.0);

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

(395746.0, 3828255.5, 809.1, 809.1, 0.0); (395721.5, 3828256.2, 809.2, 809.2, 0.0);
(395696.9, 3828256.9, 809.3, 809.3, 0.0); (395672.3, 3828257.6, 809.5, 809.5, 0.0);

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     ( 395647.7, 3828258.3,     809.7,     809.7,       0.0);         ( 395623.1,
3828259.0,     809.8,     809.8,       0.0);
     ( 395598.6, 3828259.7,     809.9,     809.9,       0.0);         ( 395574.0,
3828260.4,     810.0,     810.0,       0.0);
     ( 395549.4, 3828261.1,     810.0,     810.0,       0.0);         ( 395524.8,
3828261.8,     810.0,     810.0,       0.0);
     ( 395500.2, 3828262.5,     810.2,     810.2,       0.0);         ( 395475.7,
3828263.2,     810.3,     810.3,       0.0);
     ( 395451.1, 3828263.9,     810.7,     810.7,       0.0);         ( 395426.5,
3828264.6,     811.1,     811.1,       0.0);
     ( 395401.9, 3828265.3,     811.4,     811.4,       0.0);         ( 395377.3,
3828266.1,     811.7,     811.7,       0.0);
     ( 395352.8, 3828266.8,     812.1,     812.1,       0.0);         ( 395328.2,
3828267.5,     812.4,     812.4,       0.0);
     ( 395303.6, 3828268.2,     812.9,     812.9,       0.0);         ( 395279.0,
3828268.9,     813.3,     813.3,       0.0);
     ( 395254.5, 3828269.6,     813.5,     813.5,       0.0);         ( 395229.9,
3828270.3,     813.7,     813.7,       0.0);
     ( 395205.3, 3828271.0,     813.8,     813.8,       0.0);         ( 395180.7,
3828271.7,     813.9,     813.9,       0.0);
     ( 395156.1, 3828272.4,     814.0,     814.0,       0.0);         ( 395131.6,
3828273.1,     814.3,     814.3,       0.0);
     ( 395107.0, 3828273.8,     814.5,     814.5,       0.0);         ( 395082.4,
3828274.5,     814.6,     814.6,       0.0);
     ( 395057.8, 3828275.2,     814.7,     814.7,       0.0);         ( 395033.2,
3828275.9,     814.8,     814.8,       0.0);
     ( 395008.7, 3828276.6,     814.8,     814.8,       0.0);         ( 394984.1,
3828277.3,     814.9,     814.9,       0.0);
     ( 394959.5, 3828278.0,     815.4,     815.4,       0.0);         ( 394934.9,
3828278.7,     816.0,     822.1,       0.0);
     ( 394910.3, 3828279.4,     818.1,     822.1,       0.0);         ( 394885.8,
3828280.1,     819.8,     819.8,       0.0);
     ( 394861.2, 3828280.8,     820.8,     820.8,       0.0);         ( 394836.6,
3828281.5,     821.2,     821.2,       0.0);
     ( 394812.0, 3828282.2,     821.4,     821.4,       0.0);         ( 394787.4,
3828282.9,     822.0,     822.0,       0.0);
     ( 394762.9, 3828283.7,     822.3,     822.3,       0.0);         ( 394738.3,
3828284.4,     822.5,     822.5,       0.0);
     ( 394713.7, 3828285.1,     822.7,     822.7,       0.0);         ( 394369.6,
3828294.9,     827.4,     827.4,       0.0);
     ( 394345.0, 3828295.6,     827.0,     987.5,       0.0);         ( 394320.4,
3828296.3,     827.0,    1582.1,       0.0);
     ( 394295.8, 3828297.0,     827.0,    1582.8,       0.0);         ( 394271.3,
3828297.7,     826.7,    1585.6,       0.0);
     ( 394246.7, 3828298.4,     827.1,    1586.4,       0.0);         ( 394222.1,
3828299.1,     827.6,    1586.4,       0.0);
     ( 394197.5, 3828299.8,     828.0,    1587.1,       0.0);         ( 394173.0,
3828300.5,     828.9,    1587.1,       0.0);
     ( 394148.4, 3828301.3,     830.1,    1587.1,       0.0);         ( 394123.8,
3828302.0,     830.9,    1587.1,       0.0);
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(394099.2, 3828302.7, 831.1, 1587.1, 0.0); (394074.6, 3828303.4, 830.5, 1587.1, 0.0);
(394050.0, 3828304.1, 830.0, 1587.1, 0.0); (394025.5, 3828304.8, 829.8, 1587.1, 0.0);
(394000.9, 3828305.5, 829.8, 1587.1, 0.0); (393976.3, 3828306.2, 829.5, 1587.1, 0.0);
(393951.7, 3828306.9, 829.0, 1587.1, 0.0); (393927.1, 3828307.6, 828.8, 1587.1, 0.0);
(393902.6, 3828308.3, 828.8, 1587.1, 0.0); (393878.0, 3828309.0, 829.0, 1587.1, 0.0);
(393853.4, 3828309.7, 829.0, 1587.1, 0.0); (393828.8, 3828310.4, 828.7, 1587.1, 0.0);
(393804.2, 3828311.1, 828.4, 1587.1, 0.0); (393779.7, 3828311.8, 828.0, 1587.1, 0.0);
(393755.1, 3828312.5, 828.2, 1587.1, 0.0); (393730.5, 3828313.2, 828.3, 1587.1, 0.0);
(393705.9, 3828313.9, 828.3, 1587.1, 0.0); (393681.3, 3828314.6, 828.2, 1587.1, 0.0);
(393656.8, 3828315.3, 828.0, 1587.1, 0.0); (393632.2, 3828316.0, 828.1, 1587.1, 0.0);
(393607.6, 3828316.8, 828.3, 1587.1, 0.0); (393583.0, 3828317.4, 828.7, 1587.1, 0.0);
(393558.5, 3828318.1, 829.1, 1587.1, 0.0); (393533.9, 3828318.9, 828.4, 1587.1, 0.0);
(393509.3, 3828319.6, 828.2, 1587.1, 0.0); (393484.7, 3828320.3, 828.2, 1587.1, 0.0);
(393460.1, 3828321.0, 829.2, 1587.1, 0.0); (393435.5, 3828321.7, 829.1, 1587.1, 0.0);
(393411.0, 3828322.4, 827.1, 1587.1, 0.0); (393386.4, 3828323.1, 828.3, 1587.1, 0.0);
(393361.8, 3828323.8, 828.3, 1587.1, 0.0); (393337.2, 3828324.5, 828.3, 1587.1, 0.0);
(393312.6, 3828325.2, 828.7, 1587.1, 0.0); (393288.1, 3828325.9, 829.1, 1587.1, 0.0);
(393263.5, 3828326.6, 829.5, 1587.1, 0.0); (393238.9, 3828327.3, 829.9, 1587.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(393214.3, 3828328.0, 830.2, 1587.1, 0.0); (393189.8, 3828328.7, 830.5, 1587.1, 0.0);

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     ( 393165.2, 3828329.4,     830.6,    1587.1,       0.0);         ( 393140.6,
3828330.1,     830.7,    1587.1,       0.0);
     ( 393116.0, 3828330.8,     831.0,    1587.1,       0.0);         ( 393091.4,
3828331.5,     831.4,    1587.1,       0.0);
     ( 393066.9, 3828332.2,     831.6,    1587.1,       0.0);         ( 393042.3,
3828332.9,     831.7,    1587.1,       0.0);
     ( 393017.7, 3828333.6,     831.9,    1587.1,       0.0);         ( 392993.1,
3828334.3,     831.9,    1587.1,       0.0);
     ( 392968.5, 3828335.0,     832.1,    1587.1,       0.0);         ( 392944.0,
3828335.8,     832.4,    1587.1,       0.0);
     ( 392919.4, 3828336.5,     832.8,    1587.1,       0.0);         ( 392894.8,
3828337.2,     833.0,    1587.1,       0.0);
     ( 392870.2, 3828337.9,     833.4,    1587.1,       0.0);         ( 392845.6,
3828338.6,     833.6,    1587.1,       0.0);
     ( 392821.1, 3828339.3,     833.3,    1587.1,       0.0);         ( 392796.5,
3828340.0,     834.0,    1587.1,       0.0);
     ( 392771.9, 3828340.7,     834.2,    1587.8,       0.0);         ( 392747.3,
3828341.4,     833.8,    1587.9,       0.0);
     ( 392722.7, 3828342.1,     834.1,    1587.9,       0.0);         ( 392698.2,
3828342.8,     834.3,    1587.9,       0.0);
     ( 392673.6, 3828343.5,     834.5,    1587.9,       0.0);         ( 392649.0,
3828344.2,     834.5,    1587.9,       0.0);
     ( 392624.4, 3828344.9,     834.7,    1587.9,       0.0);         ( 392599.8,
3828345.6,     834.9,    1587.9,       0.0);
     ( 392575.3, 3828346.3,     835.0,    1587.9,       0.0);         ( 392550.7,
3828347.0,     835.1,    1588.5,       0.0);
     ( 392526.1, 3828347.7,     835.3,    1588.5,       0.0);         ( 405965.1,
3823374.2,     837.4,     837.4,       0.0);
     ( 405978.3, 3823353.4,     837.6,     837.6,       0.0);         ( 395994.0,
3816975.5,     943.4,    1604.4,       0.0);
     ( 395959.0, 3816948.2,     944.4,    1356.4,       0.0);         ( 395924.1,
3816920.8,     940.5,    1439.0,       0.0);
     ( 395889.2, 3816893.5,     939.5,    1439.0,       0.0);         ( 395854.3,
3816866.1,     938.5,    1439.0,       0.0);
     ( 396018.6, 3816971.3,     942.0,    1607.3,       0.0);         ( 395991.9,
3816942.2,     940.5,    1607.3,       0.0);
     ( 395957.0, 3816914.8,     939.8,    1607.3,       0.0);         ( 395922.1,
3816887.5,     936.8,    1607.3,       0.0);
     ( 395887.2, 3816860.1,     935.2,    1607.3,       0.0);         ( 396034.0,
3816951.6,     939.2,    1607.3,       0.0);
     ( 396048.9, 3817000.2,     942.6,    1607.3,       0.0);         ( 396007.3,
3816922.5,     937.3,    1607.3,       0.0);
     ( 395972.5, 3816895.1,     936.4,    1607.3,       0.0);         ( 395937.5,
3816867.8,     935.6,    1607.3,       0.0);
     ( 395902.6, 3816840.4,     934.0,    1607.3,       0.0);         ( 396049.4,
3816932.0,     937.5,    1607.3,       0.0);
     ( 396067.9, 3816962.9,     938.2,    1607.3,       0.0);         ( 396073.5,
3816995.9,     941.5,    1607.3,       0.0);
     ( 396022.8, 3816902.8,     938.7,    1607.3,       0.0);         ( 395987.9,
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     ( 395953.0, 3816848.1,     939.1,    1607.3,       0.0);         ( 395918.1,
3816820.8,     937.5,    1607.3,       0.0);
     ( 396082.1, 3816895.7,     943.2,    1607.3,       0.0);         ( 396104.2,
3816932.8,     944.6,    1607.3,       0.0);
     ( 396122.1, 3816991.0,     940.4,    1607.3,       0.0);         ( 396113.6,
3817033.4,     943.4,    1607.3,       0.0);
     ( 396053.6, 3816863.5,     943.7,    1607.3,       0.0);         ( 396018.7,
3816836.1,     941.0,    1607.3,       0.0);
     ( 395983.8, 3816808.8,     938.0,    1607.3,       0.0);         ( 395948.9,
3816781.4,     934.2,    1607.3,       0.0);
     ( 396112.4, 3816855.5,     939.1,    1607.3,       0.0);         ( 396133.5,
3816890.8,     944.3,    1607.3,       0.0);
     ( 396154.6, 3816926.1,     950.2,    1607.3,       0.0);         ( 396171.6,
3816981.6,     946.9,    1607.3,       0.0);
     ( 396163.5, 3817021.9,     942.9,    1607.3,       0.0);         ( 396155.4,
3817062.2,     943.4,    1607.3,       0.0);
     ( 396084.5, 3816824.1,     937.8,    1607.3,       0.0);         ( 396049.6,
3816796.8,     936.7,    1607.3,       0.0);
     ( 396014.7, 3816769.4,     935.4,    1607.3,       0.0);         ( 395979.8,
3816742.1,     934.8,    1607.3,       0.0);
     ( 396143.0, 3816815.6,     939.2,    1607.3,       0.0);         ( 396163.5,
3816849.9,     940.2,    1607.3,       0.0);
     ( 396184.0, 3816884.3,     943.1,    1607.3,       0.0);         ( 396204.5,
3816918.6,     953.1,    1607.3,       0.0);
     ( 396221.0, 3816972.6,     953.9,    1607.3,       0.0);         ( 396213.1,
3817011.8,     948.0,    1607.3,       0.0);
     ( 396205.2, 3817050.9,     945.0,    1607.3,       0.0);         ( 396197.4,
3817090.1,     944.4,    1607.3,       0.0);
     ( 396115.3, 3816784.8,     938.3,    1607.3,       0.0);         ( 396080.4,
3816757.4,     937.3,    1607.3,       0.0);
     ( 396045.5, 3816730.1,     938.5,    1607.3,       0.0);         ( 396010.6,
3816702.7,     940.9,    1607.3,       0.0);
     ( 396174.7, 3816777.6,     939.7,    1607.3,       0.0);         ( 396196.8,
3816814.7,     940.7,    1607.3,       0.0);
     ( 396218.9, 3816851.8,     941.5,    1607.3,       0.0);         ( 396241.0,
3816888.9,     943.5,    1607.3,       0.0);
     ( 396263.1, 3816926.0,     949.0,    1607.3,       0.0);         ( 396270.0,
3816965.7,     958.7,    1607.3,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 396261.5, 3817008.0,     951.5,    1607.3,       0.0);         ( 396253.0,
3817050.3,     948.7,    1607.3,       0.0);
     ( 396244.5, 3817092.7,     945.2,    1607.3,       0.0);         ( 396146.1,
3816745.4,     939.0,    1607.3,       0.0);
     ( 396111.2, 3816718.1,     941.4,    1607.3,       0.0);         ( 396076.3,
3816690.7,     947.6,    1607.3,       0.0);
     ( 396041.5, 3816663.3,     949.5,    1607.3,       0.0);         ( 396205.2,
3816737.8,     944.2,    1607.3,       0.0);
     ( 396226.7, 3816773.8,     941.1,    1607.3,       0.0);         ( 396248.2,
3816809.9,     941.9,    1607.3,       0.0);
     ( 396269.7, 3816845.9,     942.7,    1607.3,       0.0);         ( 396291.2,
3816882.0,     943.8,    1607.3,       0.0);
     ( 396312.7, 3816918.0,     944.9,    1607.3,       0.0);         ( 396319.4,
3816956.6,     949.5,    1607.3,       0.0);
     ( 396311.1, 3816997.8,     958.9,    1607.3,       0.0);         ( 396302.8,
3817038.9,     951.6,    1607.3,       0.0);
     ( 396294.5, 3817080.1,     945.2,    1607.3,       0.0);         ( 396286.3,
3817121.3,     951.4,    1607.3,       0.0);
     ( 396177.0, 3816706.1,     949.5,    1607.3,       0.0);         ( 396142.1,
3816678.7,     955.6,    1607.3,       0.0);
     ( 396107.2, 3816651.4,     956.8,    1607.3,       0.0);         ( 396072.3,
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     ( 396267.2, 3816659.6,     964.0,    1607.3,       0.0);         ( 396289.3,
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     ( 396311.4, 3816733.7,     951.2,    1607.3,       0.0);         ( 396333.6,
3816770.8,     947.4,    1607.3,       0.0);
     ( 396355.7, 3816807.9,     946.4,    1607.3,       0.0);         ( 396377.8,
3816845.0,     946.0,    1607.3,       0.0);
     ( 396399.9, 3816882.1,     946.9,    1607.3,       0.0);         ( 396417.8,
3816940.3,     948.0,    1607.3,       0.0);
     ( 396409.3, 3816982.7,     948.7,    1607.3,       0.0);         ( 396400.8,
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     ( 396392.3, 3817067.3,     952.3,    1607.3,       0.0);         ( 396383.8,
3817109.7,     952.5,    1607.3,       0.0);
     ( 396375.3, 3817152.0,     957.0,    1607.3,       0.0);         ( 396366.8,
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     ( 396238.7, 3816627.4,     963.3,    1607.3,       0.0);         ( 396203.8,
3816600.0,     962.1,    1607.3,       0.0);
     ( 396168.9, 3816572.6,     960.6,    1607.3,       0.0);         ( 396134.0,
3816545.3,     959.3,    1607.3,       0.0);
     ( 396329.1, 3816581.2,     965.5,    1607.3,       0.0);         ( 396351.6,
3816619.0,     966.7,    1607.3,       0.0);
     ( 396374.1, 3816656.8,     966.8,    1607.3,       0.0);         ( 396396.7,
3816694.5,     963.9,    1607.3,       0.0);
     ( 396419.2, 3816732.3,     962.4,    1607.3,       0.0);         ( 396441.8,
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     ( 396464.3, 3816807.8,     952.6,    1607.3,       0.0);         ( 396486.8,
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     ( 396509.3, 3816883.4,     950.3,    1607.3,       0.0);         ( 396516.3,
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     ( 396507.6, 3816966.9,     951.0,    1607.3,       0.0);         ( 396499.0,
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     ( 396490.3, 3817053.2,     965.3,    1607.3,       0.0);         ( 396481.6,
3817096.3,     954.5,    1607.3,       0.0);
     ( 396473.0, 3817139.4,     951.8,    1607.3,       0.0);         ( 396464.3,
3817182.5,     954.4,    1607.3,       0.0);
     ( 396455.6, 3817225.6,     968.6,    1607.0,       0.0);         ( 396300.4,
3816548.7,     962.8,    1607.3,       0.0);
     ( 396265.5, 3816521.3,     959.9,    1607.3,       0.0);         ( 396230.6,
3816493.9,     958.8,    1607.3,       0.0);
     ( 396195.7, 3816466.6,     957.1,    1607.3,       0.0);         ( 396390.4,
3816501.9,     967.7,    1607.3,       0.0);
     ( 396412.2, 3816538.4,     967.7,    1607.3,       0.0);         ( 396434.0,
3816574.9,     968.8,    1607.3,       0.0);
     ( 396455.8, 3816611.4,     969.6,    1607.3,       0.0);         ( 396477.6,
3816648.0,     969.8,    1607.3,       0.0);
     ( 396499.3, 3816684.5,     969.9,    1607.3,       0.0);         ( 396521.1,
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     ( 396542.9, 3816757.5,     969.8,    1607.3,       0.0);         ( 396564.7,
3816794.0,     969.8,    1607.3,       0.0);
     ( 396586.5, 3816830.6,     963.2,    1607.3,       0.0);         ( 396608.3,
3816867.1,     958.4,    1607.3,       0.0);
     ( 396615.0, 3816906.2,     954.9,    1607.3,       0.0);         ( 396606.6,
3816947.9,     954.1,    1607.3,       0.0);
     ( 396598.2, 3816989.6,     953.8,    1607.3,       0.0);         ( 396589.9,
3817031.3,     954.5,    1607.3,       0.0);
     ( 396581.5, 3817073.0,     965.8,    1607.3,       0.0);         ( 396573.1,
3817114.7,     968.2,    1607.3,       0.0);
     ( 396564.7, 3817156.4,     957.2,    1607.3,       0.0);         ( 396556.4,
3817198.0,     953.6,    1607.3,       0.0);
     ( 396548.0, 3817239.7,     955.3,    1607.3,       0.0);         ( 396539.6,
3817281.4,     959.7,    1607.3,       0.0);
     ( 396362.1, 3816469.9,     958.9,    1607.3,       0.0);         ( 396327.2,
3816442.6,     949.7,    1607.3,       0.0);
     ( 396292.3, 3816415.2,     943.1,    1607.3,       0.0);         ( 396257.4,
3816387.9,     939.9,    1607.3,       0.0);
     ( 396452.3, 3816423.5,     949.1,    1607.3,       0.0);         ( 396474.4,
3816460.5,     965.7,    1607.3,       0.0);
     ( 396496.5, 3816497.6,     971.8,    1607.3,       0.0);         ( 396518.6,
3816534.7,     971.9,    1607.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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                                  PAGE 143
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

(396540.8, 3816571.8, 971.9, 1607.3, 0.0); (396562.9, 3816608.9, 972.6, 1607.3, 0.0);
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(396629.2, 3816720.1, 973.7, 1607.3, 0.0); (396651.4, 3816757.2, 973.8, 1607.3, 0.0);
(396673.5, 3816794.3, 973.8, 1607.3, 0.0); (396695.6, 3816831.4, 971.3, 1607.3, 0.0);
(396713.5, 3816889.6, 961.8, 1607.3, 0.0); (396705.0, 3816931.9, 958.2, 1607.3, 0.0);
(396696.5, 3816974.3, 956.8, 1607.3, 0.0); (396688.0, 3817016.6, 956.6, 1607.3, 0.0);
(396679.5, 3817059.0, 957.9, 1607.3, 0.0); (396671.0, 3817101.3, 969.2, 1607.3, 0.0);
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(396645.5, 3817228.3, 965.1, 1607.3, 0.0); (396636.9, 3817270.6, 958.4, 1607.3, 0.0);
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(396514.1, 3816345.0, 947.8, 1607.3, 0.0); (396536.5, 3816382.5, 948.5, 1607.3, 0.0);
(396558.9, 3816420.0, 949.2, 1607.3, 0.0); (396581.2, 3816457.5, 949.8, 1607.3, 0.0);
(396603.6, 3816495.1, 954.7, 1607.3, 0.0); (396626.0, 3816532.6, 970.0, 1607.3, 0.0);
(396648.4, 3816570.1, 975.0, 1607.3, 0.0); (396670.8, 3816607.6, 975.5, 1607.3, 0.0);
(396693.2, 3816645.2, 976.1, 1607.3, 0.0); (396715.6, 3816682.7, 976.2, 1607.3, 0.0);
(396738.0, 3816720.2, 976.6, 1607.3, 0.0); (396760.3, 3816757.7, 976.9, 1607.3, 0.0);
(396782.7, 3816795.3, 975.1, 1607.3, 0.0); (396805.1, 3816832.8, 970.5, 1607.3, 0.0);
(396812.0, 3816873.0, 969.7, 1607.3, 0.0); (396803.4, 3816915.8, 962.6, 1607.3, 0.0);
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(396743.1, 3817215.7, 973.2, 1607.3, 0.0); (396734.5, 3817258.5, 971.9, 1607.3, 0.0);

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     ( 396725.9, 3817301.3,     969.5,    1607.3,       0.0);         ( 396717.3,
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     ( 396708.7, 3817387.0,     962.7,    1607.3,       0.0);         ( 396485.4,
3816312.5,     946.7,    1607.3,       0.0);
     ( 396450.5, 3816285.2,     945.2,    1607.3,       0.0);         ( 396415.6,
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     ( 396380.7, 3816230.5,     942.4,    1607.3,       0.0);         ( 396668.4,
3816148.3,     964.6,    1607.3,       0.0);
     ( 396690.9, 3816186.1,     963.4,    1607.3,       0.0);         ( 396713.5,
3816223.9,     966.4,    1607.3,       0.0);
     ( 396736.0, 3816261.6,     969.6,    1607.3,       0.0);         ( 396758.5,
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     ( 396781.0, 3816337.2,     957.4,    1607.3,       0.0);         ( 396803.6,
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     ( 396826.1, 3816412.7,     958.5,    1607.3,       0.0);         ( 396848.6,
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     ( 396871.2, 3816488.3,     958.0,    1607.3,       0.0);         ( 396893.7,
3816526.0,     962.3,    1607.3,       0.0);
     ( 396916.2, 3816563.8,     980.1,    1607.3,       0.0);         ( 396938.8,
3816601.6,     982.2,    1607.3,       0.0);
     ( 396961.3, 3816639.3,     982.8,    1607.3,       0.0);         ( 396983.8,
3816677.1,     983.1,    1607.3,       0.0);
     ( 397006.4, 3816714.9,     983.5,    1607.3,       0.0);         ( 397028.9,
3816752.6,     983.7,    1607.3,       0.0);
     ( 397051.4, 3816790.4,     983.7,    1607.3,       0.0);         ( 397058.4,
3816830.9,     982.3,    1607.3,       0.0);
     ( 397049.7, 3816874.0,     975.5,    1607.3,       0.0);         ( 397041.0,
3816917.1,     969.2,    1607.3,       0.0);
     ( 397032.4, 3816960.2,     968.8,    1607.3,       0.0);         ( 397023.7,
3817003.3,     968.0,    1607.3,       0.0);
     ( 397015.1, 3817046.4,     967.6,    1607.3,       0.0);         ( 397006.4,
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     ( 396997.7, 3817132.7,     980.3,    1607.3,       0.0);         ( 396989.1,
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     ( 396980.4, 3817218.9,     978.2,    1607.3,       0.0);         ( 396971.8,
3817262.0,     976.6,    1607.3,       0.0);
     ( 396963.1, 3817305.2,     975.1,    1607.3,       0.0);         ( 396954.4,
3817348.3,     973.8,    1607.3,       0.0);
     ( 396945.8, 3817391.4,     972.4,    1607.3,       0.0);         ( 396937.1,
3817434.5,     970.8,    1607.3,       0.0);
     ( 396928.4, 3817477.6,     969.4,    1607.3,       0.0);         ( 396919.8,
3817520.8,     967.6,    1607.3,       0.0);
↟ *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(396639.7, 3816115.8, 967.2, 1607.3, 0.0); (396604.8, 3816088.4, 973.9, 1607.3, 0.0);
(396569.9, 3816061.1, 984.0, 1607.3, 0.0); (396535.0, 3816033.7, 993.7, 1607.3, 0.0);
(396822.6, 3815951.7, 1012.0, 1607.3, 0.0); (396845.3, 3815989.6, 1012.1, 1607.3, 0.0);
(396867.9, 3816027.5, 1014.1, 1607.3, 0.0); (396890.5, 3816065.4, 1011.4, 1607.3, 0.0);
(396913.1, 3816103.4, 1012.1, 1607.3, 0.0); (396935.8, 3816141.3, 996.7, 1607.3, 0.0);
(396958.4, 3816179.2, 985.1, 1607.3, 0.0); (396981.0, 3816217.1, 983.4, 1607.3, 0.0);
(397003.7, 3816255.1, 969.4, 1607.3, 0.0); (397026.3, 3816293.0, 965.5, 1607.3, 0.0);
(397048.9, 3816330.9, 965.7, 1607.3, 0.0); (397071.5, 3816368.8, 964.8, 1607.3, 0.0);
(397094.2, 3816406.8, 964.9, 1607.3, 0.0); (397116.8, 3816444.7, 974.1, 1607.3, 0.0);
(397139.4, 3816482.6, 988.9, 1607.3, 0.0); (397162.0, 3816520.5, 991.5, 1607.3, 0.0);
(397184.7, 3816558.5, 991.8, 1607.3, 0.0); (397207.3, 3816596.4, 992.2, 1607.3, 0.0);
(397229.9, 3816634.3, 992.6, 1607.3, 0.0); (397252.5, 3816672.2, 993.0, 1607.3, 0.0);
(397275.2, 3816710.2, 992.9, 1607.3, 0.0); (397297.8, 3816748.1, 992.4, 1607.3, 0.0);
(397304.8, 3816788.7, 992.0, 1607.3, 0.0); (397296.1, 3816832.0, 991.6, 1607.3, 0.0);
(397287.4, 3816875.3, 983.9, 1607.3, 0.0); (397278.7, 3816918.6, 976.8, 1607.3, 0.0);
(397270.0, 3816961.9, 976.7, 1607.3, 0.0); (397261.3, 3817005.2, 975.6, 1607.3, 0.0);
(397252.6, 3817048.5, 979.7, 1607.3, 0.0); (397243.9, 3817091.8, 1002.0, 1607.3, 0.0);
(397235.2, 3817135.1, 1024.3, 1607.3, 0.0); (397226.5, 3817178.4, 1031.6, 1607.3, 0.0);
(397217.8, 3817221.7, 1015.4, 1607.3, 0.0); (397209.1, 3817264.9, 995.4, 1607.3, 0.0);
(397200.4, 3817308.2, 981.3, 1607.3, 0.0); (397191.7, 3817351.5, 975.1, 1607.3, 0.0);
(397183.0, 3817394.8, 972.6, 1607.3, 0.0); (397174.3, 3817438.1, 971.3, 1607.3, 0.0);
(397165.6, 3817481.4, 970.1, 1607.3, 0.0); (397156.9, 3817524.7, 969.0, 1607.3, 0.0);
(397148.2, 3817568.0, 969.8, 1607.3, 0.0); (397139.5, 3817611.3, 971.2, 1607.3, 0.0);

(397130.8, 3817654.6, 972.4, 1607.3, 0.0); (396793.9,
3815919.0, 1015.2, 1607.3, 0.0);
(396759.0, 3815891.7, 1020.9, 1607.3, 0.0); (396724.1,
3815864.3, 1030.3, 1607.3, 0.0);
(396689.2, 3815837.0, 1042.6, 1607.3, 0.0); (396976.9,
3815754.9, 1008.4, 1607.3, 0.0);
(396999.6, 3815793.0, 1007.8, 1607.3, 0.0); (397022.3,
3815831.0, 1003.4, 1607.3, 0.0);
(397045.0, 3815869.0, 991.5, 1607.3, 0.0); (397067.7,
3815907.1, 981.1, 1607.3, 0.0);
(397090.4, 3815945.1, 978.0, 1607.3, 0.0); (397113.0,
3815983.1, 977.2, 1607.3, 0.0);
(397135.7, 3816021.2, 976.1, 1607.3, 0.0); (397158.4,
3816059.2, 975.0, 1607.3, 0.0);
(397181.1, 3816097.2, 974.2, 1607.3, 0.0); (397203.8,
3816135.3, 974.5, 1607.3, 0.0);
(397226.5, 3816173.3, 976.0, 1607.3, 0.0); (397249.2,
3816211.3, 978.7, 1607.3, 0.0);
(397271.9, 3816249.4, 988.3, 1607.3, 0.0); (397294.6,
3816287.4, 990.3, 1607.3, 0.0);
(397317.3, 3816325.4, 990.6, 1607.3, 0.0); (397340.0,
3816363.5, 990.2, 1607.3, 0.0);
(397362.6, 3816401.5, 990.6, 1607.3, 0.0); (397385.3,
3816439.5, 991.0, 1607.3, 0.0);
(397408.0, 3816477.6, 991.8, 1607.3, 0.0); (397430.7,
3816515.6, 992.5, 1607.3, 0.0);
(397453.4, 3816553.6, 995.3, 1607.3, 0.0); (397476.1,
3816591.7, 996.1, 1607.3, 0.0);
(397498.8, 3816629.7, 996.9, 1607.3, 0.0); (397521.5,
3816667.7, 997.2, 1607.3, 0.0);
(397544.2, 3816705.8, 998.2, 1607.3, 0.0); (397551.1,
3816746.5, 998.7, 1607.3, 0.0);
(397542.4, 3816789.9, 998.6, 1607.3, 0.0); (397533.7,
3816833.3, 993.7, 1607.3, 0.0);
(397525.0, 3816876.8, 988.0, 1607.3, 0.0); (397516.3,
3816920.2, 986.4, 1607.3, 0.0);
(397507.5, 3816963.6, 984.8, 1607.3, 0.0); (397498.8,
3817007.0, 983.5, 1607.3, 0.0);
(397490.1, 3817050.4, 984.6, 1607.3, 0.0); (397481.4,
3817093.9, 987.6, 1607.3, 0.0);
(397472.6, 3817137.3, 995.7, 1607.3, 0.0); (397463.9,
3817180.7, 1007.1, 1607.3, 0.0);
(397455.2, 3817224.1, 1020.1, 1607.3, 0.0); (397446.5,
3817267.5, 1028.5, 1607.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(397437.8, 3817311.0, 1022.8, 1607.3, 0.0); (397429.0, 3817354.4, 1007.2, 1607.3, 0.0);
(397420.3, 3817397.8, 990.3, 1607.3, 0.0); (397411.6, 3817441.2, 978.4, 1607.3, 0.0);
(397402.9, 3817484.6, 976.1, 1607.3, 0.0); (397394.1, 3817528.1, 974.5, 1607.3, 0.0);
(397385.4, 3817571.5, 973.3, 1607.3, 0.0); (397376.7, 3817614.9, 973.1, 1607.3, 0.0);
(397368.0, 3817658.3, 973.1, 1607.3, 0.0); (397359.2, 3817701.7, 973.3, 1607.3, 0.0);
(397350.5, 3817745.2, 973.9, 1607.3, 0.0); (397341.8, 3817788.6, 974.9, 1607.3, 0.0);
(396948.1, 3815722.3, 1008.8, 1607.3, 0.0); (396913.2, 3815694.9, 1011.1, 1607.3, 0.0);
(396878.3, 3815667.5, 1017.0, 1607.3, 0.0); (396843.4, 3815640.2, 1025.4, 1607.3, 0.0);
(397131.0, 3815557.9, 996.4, 1607.3, 0.0); (397153.3, 3815595.4, 991.7, 1607.3, 0.0);
(397175.7, 3815632.9, 989.7, 1607.3, 0.0); (397198.1, 3815670.4, 989.2, 1607.3, 0.0);
(397220.4, 3815707.9, 988.4, 1607.3, 0.0); (397242.8, 3815745.4, 987.6, 1607.3, 0.0);
(397265.2, 3815782.8, 986.3, 1607.3, 0.0); (397287.5, 3815820.3, 985.4, 1607.3, 0.0);
(397309.9, 3815857.8, 987.0, 1607.3, 0.0); (397332.2, 3815895.3, 986.2, 1607.3, 0.0);
(397354.6, 3815932.8, 988.5, 1607.3, 0.0); (397377.0, 3815970.3, 991.7, 1607.3, 0.0);
(397399.3, 3816007.8, 995.3, 1607.3, 0.0); (397421.7, 3816045.3, 991.5, 1607.3, 0.0);
(397444.1, 3816082.7, 990.8, 1607.3, 0.0); (397466.4, 3816120.2, 992.0, 1607.3, 0.0);
(397488.8, 3816157.7, 996.1, 1607.3, 0.0); (397511.2, 3816195.2, 1000.3, 1607.3, 0.0);
(397533.5, 3816232.7, 1007.0, 1607.3, 0.0); (397555.9, 3816270.2, 1008.5, 1607.3, 0.0);
(397578.3, 3816307.7, 1009.0, 1607.3, 0.0); (397600.6, 3816345.2, 1009.7, 1607.3, 0.0);
(397623.0, 3816382.6, 1010.9, 1607.3, 0.0); (397645.4, 3816420.1, 1011.3, 1607.3, 0.0);
(397667.7, 3816457.6, 1011.9, 1607.3, 0.0); (397690.1, 3816495.1, 1012.5, 1607.3, 0.0);
(397712.5, 3816532.6, 1012.4, 1607.3, 0.0); (397734.8, 3816570.1, 1011.8, 1607.3, 0.0);

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     ( 397757.2, 3816607.6,    1010.9,    1607.3,       0.0);         ( 397779.5,
3816645.0,    1009.9,    1607.3,       0.0);
     ( 397797.6, 3816703.9,    1008.7,    1607.3,       0.0);         ( 397789.0,
3816746.7,    1005.5,    1607.3,       0.0);
     ( 397780.4, 3816789.5,     997.3,    1607.3,       0.0);         ( 397771.8,
3816832.3,     994.7,    1607.3,       0.0);
     ( 397763.2, 3816875.1,     994.7,    1607.3,       0.0);         ( 397754.6,
3816917.9,     994.4,    1607.3,       0.0);
     ( 397746.0, 3816960.7,     999.6,    1607.3,       0.0);         ( 397737.4,
3817003.5,    1004.9,    1607.3,       0.0);
     ( 397728.8, 3817046.3,    1005.1,    1607.3,       0.0);         ( 397720.2,
3817089.1,    1013.3,    1607.3,       0.0);
     ( 397711.6, 3817131.9,    1027.0,    1607.3,       0.0);         ( 397703.0,
3817174.7,    1040.2,    1607.3,       0.0);
     ( 397694.4, 3817217.5,    1042.9,    1607.3,       0.0);         ( 397685.8,
3817260.3,    1034.9,    1607.3,       0.0);
     ( 397677.2, 3817303.1,    1022.5,    1607.3,       0.0);         ( 397668.6,
3817345.9,    1011.7,    1607.3,       0.0);
     ( 397660.0, 3817388.7,    1004.6,    1607.3,       0.0);         ( 397651.5,
3817431.5,    1002.4,    1607.3,       0.0);
     ( 397642.8, 3817474.3,    1000.4,    1607.3,       0.0);         ( 397634.2,
3817517.1,     999.3,    1607.3,       0.0);
     ( 397625.7, 3817559.9,     999.6,    1607.3,       0.0);         ( 397617.1,
3817602.7,     998.5,    1607.3,       0.0);
     ( 397608.5, 3817645.5,     996.8,    1607.3,       0.0);         ( 397599.9,
3817688.3,     995.5,    1607.3,       0.0);
     ( 397591.3, 3817731.1,     994.4,    1607.3,       0.0);         ( 397582.7,
3817773.9,     995.4,    1607.3,       0.0);
     ( 397574.1, 3817816.7,     992.4,    1607.3,       0.0);         ( 397565.5,
3817859.5,     988.5,    1607.3,       0.0);
     ( 397556.9, 3817902.2,     984.9,    1607.3,       0.0);         ( 397548.3,
3817945.0,     981.3,    1607.3,       0.0);
     ( 397102.3, 3815525.5,    1007.7,    1607.3,       0.0);         ( 397067.4,
3815498.1,    1018.6,    1607.3,       0.0);
     ( 397032.5, 3815470.8,    1018.6,    1607.3,       0.0);         ( 396997.6,
3815443.4,    1019.0,    1607.3,       0.0);
     ( 397439.5, 3815164.5,    1012.8,    1607.3,       0.0);         ( 397462.0,
3815202.2,    1011.2,    1607.3,       0.0);
     ( 397484.5, 3815240.0,    1011.8,    1607.3,       0.0);         ( 397507.0,
3815277.7,    1013.4,    1607.3,       0.0);
     ( 397529.5, 3815315.4,    1019.6,    1607.3,       0.0);         ( 397552.0,
3815353.1,    1029.4,    1607.3,       0.0);
     ( 397574.5, 3815390.9,    1026.4,    1607.3,       0.0);         ( 397597.0,
3815428.6,    1020.9,    1607.3,       0.0);
     ( 397619.5, 3815466.3,    1026.3,    1607.3,       0.0);         ( 397642.0,
3815504.0,    1039.6,    1607.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                         ***       09:14:47
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(397664.5, 3815541.8, 1047.5, 1607.3, 0.0); (397687.0, 3815579.5, 1053.3, 1607.3, 0.0);
(397709.6, 3815617.2, 1064.9, 1607.3, 0.0); (397732.1, 3815654.9, 1056.6, 1607.3, 0.0);
(397754.6, 3815692.6, 1042.6, 1607.3, 0.0); (397777.1, 3815730.4, 1043.5, 1607.3, 0.0);
(397799.6, 3815768.1, 1040.0, 1607.3, 0.0); (397822.1, 3815805.8, 1045.6, 1607.3, 0.0);
(397844.6, 3815843.5, 1048.7, 1607.3, 0.0); (397867.1, 3815881.3, 1049.6, 1607.3, 0.0);
(397889.6, 3815919.0, 1057.9, 1607.3, 0.0); (397912.1, 3815956.7, 1065.9, 1607.3, 0.0);
(397934.6, 3815994.4, 1069.0, 1607.3, 0.0); (397957.1, 3816032.2, 1075.3, 1607.3, 0.0);
(397979.6, 3816069.9, 1084.0, 1607.3, 0.0); (398002.1, 3816107.6, 1086.3, 1607.3, 0.0);
(398024.6, 3816145.3, 1081.0, 1607.3, 0.0); (398047.1, 3816183.1, 1072.2, 1607.3, 0.0);
(398069.7, 3816220.8, 1065.3, 1607.3, 0.0); (398092.2, 3816258.5, 1062.7, 1607.3, 0.0);
(398114.7, 3816296.2, 1062.7, 1607.3, 0.0); (398137.2, 3816334.0, 1049.5, 1607.3, 0.0);
(398159.7, 3816371.7, 1052.2, 1607.3, 0.0); (398182.2, 3816409.4, 1055.1, 1607.3, 0.0);
(398204.7, 3816447.1, 1056.1, 1607.3, 0.0); (398227.2, 3816484.9, 1050.8, 1607.3, 0.0);
(398249.7, 3816522.6, 1046.8, 1607.3, 0.0); (398272.2, 3816560.3, 1039.7, 1607.3, 0.0);
(398290.4, 3816619.6, 1035.4, 1607.3, 0.0); (398281.8, 3816662.6, 1029.0, 1607.3, 0.0);
(398273.1, 3816705.7, 1028.2, 1607.3, 0.0); (398264.4, 3816748.8, 1024.5, 1607.3, 0.0);
(398255.8, 3816791.8, 1014.9, 1607.3, 0.0); (398247.1, 3816834.9, 1012.0, 1607.3, 0.0);
(398238.5, 3816878.0, 1011.7, 1607.3, 0.0); (398229.8, 3816921.0, 1014.2, 1607.3, 0.0);
(398221.2, 3816964.1, 1025.0, 1607.3, 0.0); (398212.5, 3817007.2, 1031.6, 1607.3, 0.0);
(398203.9, 3817050.2, 1035.7, 1607.3, 0.0); (398195.2, 3817093.3, 1039.0, 1607.3, 0.0);
(398186.6, 3817136.4, 1041.8, 1607.3, 0.0); (398177.9, 3817179.4, 1044.7, 1607.3, 0.0);

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     ( 398169.3, 3817222.5,    1042.5,    1607.3,       0.0);         ( 398160.6,
3817265.6,    1048.4,    1607.3,       0.0);
     ( 398152.0, 3817308.6,    1056.1,    1607.3,       0.0);         ( 398143.3,
3817351.7,    1068.0,    1607.3,       0.0);
     ( 398134.6, 3817394.8,    1077.1,    1607.3,       0.0);         ( 398126.0,
3817437.8,    1089.0,    1306.8,       0.0);
     ( 398117.3, 3817480.9,    1105.0,    1306.8,       0.0);         ( 398108.7,
3817524.0,    1123.9,    1306.8,       0.0);
     ( 398100.0, 3817567.0,    1135.8,    1277.1,       0.0);         ( 398091.4,
3817610.1,    1142.6,    1277.1,       0.0);
     ( 398082.7, 3817653.2,    1157.2,    1277.1,       0.0);         ( 398074.1,
3817696.2,    1162.3,    1277.1,       0.0);
     ( 398065.4, 3817739.3,    1156.5,    1277.1,       0.0);         ( 398056.8,
3817782.4,    1141.6,    1277.1,       0.0);
     ( 398048.1, 3817825.4,    1128.2,    1277.1,       0.0);         ( 398039.5,
3817868.5,    1133.2,    1277.1,       0.0);
     ( 398030.8, 3817911.6,    1133.8,    1277.1,       0.0);         ( 398022.2,
3817954.6,    1123.5,    1277.1,       0.0);
     ( 398013.5, 3817997.7,    1119.2,    1277.1,       0.0);         ( 398004.9,
3818040.8,    1111.8,    1277.1,       0.0);
     ( 397996.2, 3818083.9,    1100.5,    1277.1,       0.0);         ( 397987.6,
3818126.9,    1085.5,    1277.1,       0.0);
     ( 397978.9, 3818170.0,    1065.5,    1306.8,       0.0);         ( 397970.3,
3818213.1,    1044.8,    1306.8,       0.0);
     ( 397410.8, 3815132.0,    1012.2,    1607.3,       0.0);         ( 397375.9,
3815104.6,    1012.5,    1607.3,       0.0);
     ( 397341.0, 3815077.3,    1015.8,    1607.3,       0.0);         ( 397306.1,
3815049.9,    1018.9,    1607.3,       0.0);
     ( 397748.0, 3814771.1,    1032.0,    1709.0,       0.0);         ( 397770.6,
3814808.9,    1033.2,    1709.0,       0.0);
     ( 397793.2, 3814846.8,    1037.4,    1709.0,       0.0);         ( 397815.8,
3814884.7,    1036.9,    1709.0,       0.0);
     ( 397838.4, 3814922.6,    1039.0,    1709.0,       0.0);         ( 397861.0,
3814960.5,    1047.8,    1708.0,       0.0);
     ( 397883.6, 3814998.3,    1046.5,    1607.3,       0.0);         ( 397906.2,
3815036.2,    1049.1,    1607.3,       0.0);
     ( 397928.8, 3815074.1,    1055.6,    1607.3,       0.0);         ( 397951.4,
3815112.0,    1060.2,    1607.3,       0.0);
     ( 397974.0, 3815149.9,    1065.7,    1607.3,       0.0);         ( 397996.6,
3815187.8,    1066.5,    1607.3,       0.0);
     ( 398019.2, 3815225.6,    1069.4,    1607.3,       0.0);         ( 398041.8,
3815263.5,    1069.3,    1607.3,       0.0);
     ( 398064.4, 3815301.4,    1064.5,    1607.3,       0.0);         ( 398087.0,
3815339.3,    1069.8,    1607.3,       0.0);
     ( 398109.6, 3815377.1,    1077.0,    1607.3,       0.0);         ( 398132.2,
3815415.0,    1083.6,    1607.3,       0.0);
     ( 398154.8, 3815452.9,    1088.0,    1607.3,       0.0);         ( 398177.4,
3815490.8,    1100.3,    1607.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(398200.0, 3815528.7, 1114.9, 1607.3, 0.0); (398222.6, 3815566.5, 1128.3, 1607.3, 0.0);
(398245.2, 3815604.4, 1140.5, 1607.3, 0.0); (398267.8, 3815642.3, 1145.4, 1607.3, 0.0);
(398290.3, 3815680.2, 1139.1, 1607.3, 0.0); (398313.0, 3815718.1, 1148.5, 1607.3, 0.0);
(398335.5, 3815755.9, 1166.1, 1607.3, 0.0); (398358.1, 3815793.8, 1193.8, 1607.3, 0.0);
(398380.8, 3815831.7, 1208.3, 1306.8, 0.0); (398403.3, 3815869.6, 1190.7, 1607.3, 0.0);
(398426.0, 3815907.5, 1172.6, 1607.3, 0.0); (398448.5, 3815945.3, 1164.1, 1607.3, 0.0);
(398471.1, 3815983.2, 1172.2, 1607.3, 0.0); (398493.7, 3816021.1, 1196.3, 1607.3, 0.0);
(398516.3, 3816059.0, 1218.6, 1306.8, 0.0); (398538.9, 3816096.9, 1227.4, 1306.8, 0.0);
(398561.5, 3816134.7, 1227.6, 1306.8, 0.0); (398584.1, 3816172.6, 1216.4, 1306.8, 0.0);
(398606.7, 3816210.5, 1192.1, 1607.3, 0.0); (398629.3, 3816248.4, 1166.7, 1607.3, 0.0);
(398651.9, 3816286.2, 1143.2, 1607.3, 0.0); (398674.5, 3816324.1, 1122.0, 1607.3, 0.0);
(398697.1, 3816362.0, 1105.8, 1607.3, 0.0); (398719.7, 3816399.9, 1096.1, 1607.3, 0.0);
(398742.3, 3816437.8, 1102.5, 1607.3, 0.0); (398764.9, 3816475.6, 1113.9, 1607.3, 0.0);
(398783.2, 3816535.1, 1110.5, 1607.3, 0.0); (398774.5, 3816578.4, 1089.3, 1607.3, 0.0);
(398765.8, 3816621.6, 1070.3, 1607.3, 0.0); (398757.1, 3816664.9, 1057.1, 1607.3, 0.0);
(398748.4, 3816708.1, 1046.3, 1607.3, 0.0); (398739.8, 3816751.4, 1040.2, 1607.3, 0.0);
(398731.1, 3816794.6, 1034.7, 1607.3, 0.0); (398722.4, 3816837.9, 1031.9, 1607.3, 0.0);
(398713.7, 3816881.1, 1030.2, 1607.3, 0.0); (398705.0, 3816924.4, 1033.0, 1607.3, 0.0);
(398696.3, 3816967.6, 1051.1, 1607.3, 0.0); (398687.6, 3817010.8, 1057.3, 1607.3, 0.0);
(398678.9, 3817054.1, 1058.1, 1607.3, 0.0); (398670.2, 3817097.3, 1050.5, 1607.3, 0.0);

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     ( 398661.5, 3817140.6,    1065.1,    1607.3,       0.0);         ( 398652.9,
3817183.8,    1084.1,    1607.3,       0.0);
     ( 398644.2, 3817227.1,    1104.2,    1607.3,       0.0);         ( 398635.5,
3817270.3,    1128.6,    1607.3,       0.0);
     ( 398626.8, 3817313.6,    1153.2,    1306.8,       0.0);         ( 398618.1,
3817356.8,    1170.0,    1277.1,       0.0);
     ( 398609.4, 3817400.0,    1175.5,    1277.1,       0.0);         ( 398600.7,
3817443.3,    1176.9,    1277.1,       0.0);
     ( 398592.0, 3817486.5,    1180.2,    1277.1,       0.0);         ( 398583.4,
3817529.8,    1183.2,    1277.1,       0.0);
     ( 398574.7, 3817573.0,    1176.6,    1277.1,       0.0);         ( 398566.0,
3817616.3,    1169.0,    1277.1,       0.0);
     ( 398557.3, 3817659.5,    1172.5,    1277.1,       0.0);         ( 398548.6,
3817702.8,    1172.8,    1277.1,       0.0);
     ( 398539.9, 3817746.0,    1172.3,    1277.1,       0.0);         ( 398531.2,
3817789.2,    1181.8,    1277.1,       0.0);
     ( 398522.5, 3817832.5,    1193.8,    1277.1,       0.0);         ( 398513.9,
3817875.7,    1207.1,    1277.1,       0.0);
     ( 398505.2, 3817919.0,    1222.7,    1273.7,       0.0);         ( 398496.5,
3817962.2,    1226.5,    1273.7,       0.0);
     ( 398487.8, 3818005.5,    1207.5,    1277.1,       0.0);         ( 398479.1,
3818048.7,    1184.8,    1277.1,       0.0);
     ( 398470.4, 3818092.0,    1158.2,    1277.1,       0.0);         ( 398461.7,
3818135.2,    1132.0,    1277.1,       0.0);
     ( 398453.0, 3818178.4,    1125.8,    1277.1,       0.0);         ( 398444.3,
3818221.7,    1140.2,    1277.1,       0.0);
     ( 398435.7, 3818264.9,    1138.8,    1277.1,       0.0);         ( 398427.0,
3818308.2,    1130.0,    1277.1,       0.0);
     ( 398418.3, 3818351.4,    1134.3,    1277.1,       0.0);         ( 398409.6,
3818394.7,    1138.2,    1277.1,       0.0);
     ( 398400.9, 3818437.9,    1138.1,    1277.1,       0.0);         ( 398392.2,
3818481.2,    1122.4,    1277.1,       0.0);
     ( 397719.2, 3814738.4,    1030.7,    1709.0,       0.0);         ( 397684.3,
3814711.1,    1028.7,    1709.0,       0.0);
     ( 397649.4, 3814683.7,    1028.9,    1709.0,       0.0);         ( 397614.5,
3814656.4,    1029.5,    1709.0,       0.0);
     ( 398056.5, 3814377.6,    1128.0,    1607.3,       0.0);         ( 398079.1,
3814415.6,    1144.1,    1607.3,       0.0);
     ( 398101.8, 3814453.6,    1150.0,    1607.3,       0.0);         ( 398124.5,
3814491.6,    1146.6,    1607.3,       0.0);
     ( 398147.1, 3814529.6,    1140.5,    1607.3,       0.0);         ( 398169.8,
3814567.5,    1132.7,    1607.3,       0.0);
     ( 398192.5, 3814605.5,    1123.0,    1607.3,       0.0);         ( 398215.1,
3814643.5,    1115.5,    1607.3,       0.0);
     ( 398237.8, 3814681.5,    1114.4,    1607.3,       0.0);         ( 398260.4,
3814719.5,    1106.9,    1607.3,       0.0);
     ( 398283.1, 3814757.5,    1097.8,    1607.3,       0.0);         ( 398305.8,
3814795.5,    1093.1,    1607.3,       0.0);
     ( 398328.4, 3814833.5,    1088.1,    1607.3,       0.0);         ( 398351.1,
3814871.5,    1093.7,    1607.3,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(398373.8, 3814909.4, 1105.6, 1607.3, 0.0); (398396.4, 3814947.4, 1107.0, 1607.3, 0.0);
(398419.1, 3814985.4, 1103.6, 1607.3, 0.0); (398441.8, 3815023.4, 1100.0, 1607.3, 0.0);
(398464.4, 3815061.4, 1101.2, 1607.3, 0.0); (398487.1, 3815099.4, 1094.4, 1607.3, 0.0);
(398509.8, 3815137.4, 1091.4, 1607.3, 0.0); (398532.4, 3815175.4, 1096.7, 1607.3, 0.0);
(398555.1, 3815213.4, 1102.0, 1607.3, 0.0); (398577.7, 3815251.4, 1108.4, 1607.3, 0.0);
(398600.4, 3815289.3, 1113.8, 1607.3, 0.0); (398623.1, 3815327.3, 1119.4, 1607.3, 0.0);
(398645.7, 3815365.3, 1126.3, 1607.3, 0.0); (398668.4, 3815403.3, 1128.0, 1607.3, 0.0);
(398691.1, 3815441.3, 1137.7, 1607.3, 0.0); (398713.7, 3815479.3, 1146.6, 1607.3, 0.0);
(398736.4, 3815517.3, 1151.1, 1607.3, 0.0); (398759.1, 3815555.3, 1155.1, 1607.3, 0.0);
(398781.7, 3815593.3, 1163.5, 1607.3, 0.0); (398804.4, 3815631.2, 1171.3, 1607.3, 0.0);
(398827.0, 3815669.2, 1175.8, 1607.3, 0.0); (398849.7, 3815707.2, 1178.5, 1607.3, 0.0);
(398872.4, 3815745.2, 1184.3, 1607.3, 0.0); (398895.0, 3815783.2, 1192.8, 1607.3, 0.0);
(398917.7, 3815821.2, 1206.4, 1607.3, 0.0); (398940.4, 3815859.2, 1227.9, 1607.3, 0.0);
(398963.0, 3815897.2, 1252.4, 1306.8, 0.0); (398985.7, 3815935.2, 1274.0, 1306.8, 0.0);
(399008.4, 3815973.1, 1280.0, 1306.8, 0.0); (399031.0, 3816011.1, 1268.9, 1306.8, 0.0);
(399053.7, 3816049.1, 1260.1, 1306.8, 0.0); (399076.4, 3816087.1, 1263.7, 1306.8, 0.0);
(399099.0, 3816125.1, 1263.4, 1306.8, 0.0); (399121.7, 3816163.1, 1253.6, 1306.8, 0.0);
(399144.3, 3816201.1, 1229.5, 1607.3, 0.0); (399167.0, 3816239.1, 1200.0, 1607.3, 0.0);
(399189.7, 3816277.1, 1170.7, 1607.3, 0.0); (399212.3, 3816315.1, 1145.3, 1607.3, 0.0);

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     ( 399235.0, 3816353.0,    1136.3,    1607.3,       0.0);         ( 399257.7,
3816391.0,    1136.4,    1607.3,       0.0);
     ( 399276.0, 3816450.7,    1139.3,    1607.3,       0.0);         ( 399267.3,
3816494.1,    1131.9,    1607.3,       0.0);
     ( 399258.6, 3816537.4,    1118.5,    1607.3,       0.0);         ( 399249.8,
3816580.8,    1100.0,    1607.3,       0.0);
     ( 399241.1, 3816624.2,    1079.2,    1607.3,       0.0);         ( 399232.4,
3816667.6,    1066.4,    1607.3,       0.0);
     ( 399223.7, 3816710.9,    1061.6,    1607.3,       0.0);         ( 399215.0,
3816754.3,    1056.4,    1607.3,       0.0);
     ( 399206.3, 3816797.7,    1052.6,    1607.3,       0.0);         ( 399197.6,
3816841.0,    1049.9,    1607.3,       0.0);
     ( 399188.8, 3816884.4,    1048.8,    1607.3,       0.0);         ( 399180.1,
3816927.8,    1047.0,    1607.3,       0.0);
     ( 399171.4, 3816971.1,    1046.1,    1607.3,       0.0);         ( 399162.7,
3817014.5,    1059.2,    1607.3,       0.0);
     ( 399154.0, 3817057.9,    1075.4,    1607.3,       0.0);         ( 399145.3,
3817101.3,    1086.2,    1607.3,       0.0);
     ( 399136.6, 3817144.6,    1099.3,    1607.3,       0.0);         ( 399127.9,
3817188.0,    1116.8,    1607.3,       0.0);
     ( 399119.1, 3817231.4,    1130.6,    1607.3,       0.0);         ( 399110.4,
3817274.7,    1143.8,    1607.3,       0.0);
     ( 399101.7, 3817318.1,    1150.6,    1607.3,       0.0);         ( 399093.0,
3817361.5,    1151.5,    1607.3,       0.0);
     ( 399084.3, 3817404.8,    1153.7,    1306.8,       0.0);         ( 399075.6,
3817448.2,    1159.2,    1306.8,       0.0);
     ( 399066.9, 3817491.6,    1169.0,    1277.1,       0.0);         ( 399058.1,
3817535.0,    1178.7,    1277.1,       0.0);
     ( 399049.4, 3817578.3,    1184.3,    1277.1,       0.0);         ( 399040.7,
3817621.7,    1185.5,    1277.1,       0.0);
     ( 399032.0, 3817665.1,    1186.6,    1277.1,       0.0);         ( 399023.3,
3817708.4,    1182.5,    1277.1,       0.0);
     ( 399014.6, 3817751.8,    1177.1,    1277.1,       0.0);         ( 399005.9,
3817795.2,    1177.1,    1277.1,       0.0);
     ( 398997.2, 3817838.5,    1186.8,    1277.1,       0.0);         ( 398988.5,
3817881.9,    1206.2,    1277.1,       0.0);
     ( 398979.7, 3817925.3,    1225.9,    1277.1,       0.0);         ( 398971.0,
3817968.7,    1241.2,    1277.1,       0.0);
     ( 398962.3, 3818012.0,    1240.1,    1277.1,       0.0);         ( 398953.6,
3818055.4,    1241.1,    1277.1,       0.0);
     ( 398944.9, 3818098.8,    1253.5,    1277.1,       0.0);         ( 398936.2,
3818142.1,    1265.9,    1273.7,       0.0);
     ( 398927.5, 3818185.5,    1270.8,    1270.8,       0.0);         ( 398918.7,
3818228.9,    1268.7,    1268.7,       0.0);
     ( 398910.0, 3818272.2,    1266.3,    1272.6,       0.0);         ( 398901.3,
3818315.6,    1269.9,    1272.6,       0.0);
     ( 398892.6, 3818359.0,    1265.9,    1272.6,       0.0);         ( 398883.9,
3818402.4,    1259.1,    1272.6,       0.0);
     ( 398875.2, 3818445.7,    1247.3,    1277.1,       0.0);         ( 398866.5,
3818489.1,    1231.9,    1277.1,       0.0);
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(398857.8, 3818532.5, 1223.0, 1277.1, 0.0); (398849.0, 3818575.8, 1226.3, 1277.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(398840.3, 3818619.2, 1225.3, 1277.1, 0.0); (398831.6, 3818662.6, 1215.8, 1277.1, 0.0);
(398822.9, 3818705.9, 1204.2, 1277.1, 0.0); (398814.2, 3818749.3, 1189.0, 1277.1, 0.0);
(398027.7, 3814344.9, 1109.5, 1607.3, 0.0); (397992.8, 3814317.6, 1089.0, 1709.0, 0.0);
(397957.9, 3814290.2, 1069.0, 1709.0, 0.0); (397923.0, 3814262.9, 1069.2, 1709.0, 0.0);
(398364.9, 3813984.1, 1186.8, 1607.3, 0.0); (398387.6, 3814022.2, 1201.1, 1607.3, 0.0);
(398410.4, 3814060.3, 1209.4, 1607.3, 0.0); (398433.1, 3814098.3, 1213.5, 1607.3, 0.0);
(398455.8, 3814136.4, 1217.0, 1607.3, 0.0); (398478.5, 3814174.5, 1230.3, 1607.3, 0.0);
(398501.2, 3814212.5, 1239.5, 1607.3, 0.0); (398523.9, 3814250.6, 1248.5, 1607.3, 0.0);
(398546.6, 3814288.7, 1260.6, 1607.3, 0.0); (398569.3, 3814326.8, 1274.1, 1607.3, 0.0);
(398592.1, 3814364.8, 1288.5, 1314.6, 0.0); (398614.8, 3814402.9, 1303.8, 1312.6, 0.0);
(398637.5, 3814441.0, 1301.6, 1314.6, 0.0); (398660.2, 3814479.0, 1277.0, 1607.3, 0.0);
(398682.9, 3814517.1, 1252.2, 1607.3, 0.0); (398705.6, 3814555.2, 1236.2, 1607.3, 0.0);
(398728.3, 3814593.3, 1223.8, 1607.3, 0.0); (398751.0, 3814631.3, 1228.7, 1607.3, 0.0);
(398773.8, 3814669.4, 1242.2, 1607.3, 0.0); (398796.5, 3814707.5, 1231.4, 1607.3, 0.0);
(398819.2, 3814745.5, 1209.7, 1607.3, 0.0); (398841.9, 3814783.6, 1188.5, 1607.3, 0.0);
(398864.6, 3814821.7, 1170.2, 1607.3, 0.0); (398887.3, 3814859.8, 1153.6, 1607.3, 0.0);
(398910.0, 3814897.8, 1141.2, 1607.3, 0.0); (398932.8, 3814935.9, 1141.7, 1607.3, 0.0);
(398955.5, 3814974.0, 1137.9, 1607.3, 0.0); (398978.2, 3815012.0, 1139.6, 1607.3, 0.0);

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     ( 399000.9, 3815050.1,    1147.6,    1607.3,       0.0);         ( 399023.6,
3815088.2,    1154.7,    1607.3,       0.0);
     ( 399046.3, 3815126.2,    1153.0,    1607.3,       0.0);         ( 399069.0,
3815164.3,    1156.6,    1607.3,       0.0);
     ( 399091.8, 3815202.4,    1156.7,    1607.3,       0.0);         ( 399114.5,
3815240.5,    1157.9,    1607.3,       0.0);
     ( 399137.2, 3815278.5,    1157.2,    1607.3,       0.0);         ( 399159.9,
3815316.6,    1155.6,    1607.3,       0.0);
     ( 399182.6, 3815354.7,    1162.5,    1607.3,       0.0);         ( 399205.3,
3815392.8,    1180.6,    1607.3,       0.0);
     ( 399228.0, 3815430.8,    1199.9,    1607.3,       0.0);         ( 399250.7,
3815468.9,    1211.3,    1607.3,       0.0);
     ( 399273.5, 3815507.0,    1215.6,    1607.3,       0.0);         ( 399296.2,
3815545.0,    1232.4,    1607.3,       0.0);
     ( 399318.9, 3815583.1,    1235.4,    1607.3,       0.0);         ( 399341.6,
3815621.2,    1215.4,    1607.3,       0.0);
     ( 399364.3, 3815659.2,    1196.8,    1607.3,       0.0);         ( 399387.0,
3815697.3,    1179.5,    1607.3,       0.0);
     ( 399409.7, 3815735.4,    1163.5,    1607.3,       0.0);         ( 399432.5,
3815773.5,    1152.3,    1607.3,       0.0);
     ( 399455.2, 3815811.5,    1142.4,    1607.3,       0.0);         ( 399477.9,
3815849.6,    1135.3,    1607.3,       0.0);
     ( 399500.6, 3815887.7,    1128.5,    1607.3,       0.0);         ( 399523.3,
3815925.7,    1123.2,    1607.3,       0.0);
     ( 399546.0, 3815963.8,    1117.6,    1607.3,       0.0);         ( 399568.7,
3816001.9,    1112.8,    1607.3,       0.0);
     ( 399591.4, 3816039.9,    1108.6,    1607.3,       0.0);         ( 399614.1,
3816078.0,    1105.1,    1607.3,       0.0);
     ( 399636.9, 3816116.1,    1100.9,    1607.3,       0.0);         ( 399659.6,
3816154.2,    1096.8,    1607.3,       0.0);
     ( 399682.3, 3816192.2,    1093.8,    1607.3,       0.0);         ( 399705.0,
3816230.3,    1094.8,    1607.3,       0.0);
     ( 399727.7, 3816268.4,    1096.1,    1607.3,       0.0);         ( 399750.4,
3816306.4,    1100.4,    1607.3,       0.0);
     ( 399768.8, 3816366.2,    1099.9,    1607.3,       0.0);         ( 399760.0,
3816409.7,    1096.0,    1607.3,       0.0);
     ( 399751.3, 3816453.2,    1093.0,    1607.3,       0.0);         ( 399742.6,
3816496.6,    1091.5,    1607.3,       0.0);
     ( 399733.8, 3816540.1,    1090.8,    1607.3,       0.0);         ( 399725.1,
3816583.6,    1086.6,    1607.3,       0.0);
     ( 399716.4, 3816627.0,    1086.3,    1607.3,       0.0);         ( 399707.7,
3816670.5,    1081.6,    1607.3,       0.0);
     ( 399698.9, 3816714.0,    1078.5,    1607.3,       0.0);         ( 399690.2,
3816757.4,    1077.8,    1607.3,       0.0);
     ( 399681.5, 3816800.9,    1083.0,    1607.3,       0.0);         ( 399672.7,
3816844.3,    1078.0,    1607.3,       0.0);
     ( 399664.0, 3816887.8,    1072.0,    1607.3,       0.0);         ( 399655.3,
3816931.3,    1069.0,    1607.3,       0.0);
     ( 399646.5, 3816974.7,    1065.7,    1607.3,       0.0);         ( 399637.8,
3817018.2,    1063.2,    1607.3,       0.0);
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(399629.1, 3817061.7, 1063.0, 1607.3, 0.0); (399620.3,
3817105.1, 1068.4, 1607.3, 0.0);
(399611.6, 3817148.6, 1067.2, 1607.3, 0.0); (399602.9,
3817192.0, 1063.1, 1607.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(399594.1, 3817235.5, 1067.6, 1607.3, 0.0); (399585.4,
3817279.0, 1077.3, 1607.3, 0.0);
(399576.7, 3817322.4, 1086.5, 1607.3, 0.0); (399567.9,
3817365.9, 1096.4, 1607.3, 0.0);
(399559.2, 3817409.4, 1105.3, 1607.3, 0.0); (399550.5,
3817452.8, 1115.9, 1607.3, 0.0);
(399541.8, 3817496.3, 1126.8, 1607.3, 0.0); (399533.0,
3817539.8, 1138.9, 1607.3, 0.0);
(399524.3, 3817583.2, 1132.7, 1607.3, 0.0); (399515.5,
3817626.7, 1127.0, 1607.3, 0.0);
(399506.8, 3817670.1, 1135.0, 1607.3, 0.0); (399498.1,
3817713.6, 1140.0, 1607.3, 0.0);
(399489.4, 3817757.1, 1130.2, 1607.3, 0.0); (399480.6,
3817800.5, 1146.4, 1277.1, 0.0);
(399471.9, 3817844.0, 1158.8, 1277.1, 0.0); (399463.2,
3817887.5, 1169.1, 1277.1, 0.0);
(399454.4, 3817930.9, 1184.3, 1277.1, 0.0); (399445.7,
3817974.4, 1197.4, 1277.1, 0.0);
(399437.0, 3818017.8, 1214.1, 1277.1, 0.0); (399428.2,
3818061.3, 1233.0, 1277.1, 0.0);
(399419.5, 3818104.8, 1245.0, 1248.0, 0.0); (399410.8,
3818148.2, 1244.2, 1248.0, 0.0);
(399402.0, 3818191.7, 1242.0, 1277.1, 0.0); (399393.3,
3818235.2, 1243.2, 1275.2, 0.0);
(399384.6, 3818278.6, 1243.9, 1275.2, 0.0); (399375.8,
3818322.1, 1236.1, 1277.1, 0.0);
(399367.1, 3818365.6, 1235.7, 1277.1, 0.0); (399358.4,
3818409.0, 1244.2, 1270.4, 0.0);
(399349.6, 3818452.5, 1252.9, 1257.8, 0.0); (399340.9,
3818495.9, 1242.0, 1270.4, 0.0);
(399332.2, 3818539.4, 1222.0, 1277.1, 0.0); (399323.5,
3818582.9, 1200.9, 1277.1, 0.0);
(399314.7, 3818626.3, 1188.6, 1277.1, 0.0); (399306.0,
3818669.8, 1174.6, 1277.1, 0.0);

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     ( 399297.3, 3818713.3,    1157.4,    1277.1,       0.0);         ( 399288.5,
3818756.7,    1149.1,    1277.1,       0.0);
     ( 399279.8, 3818800.2,    1151.0,    1277.1,       0.0);         ( 399271.1,
3818843.6,    1151.4,    1277.1,       0.0);
     ( 399262.3, 3818887.1,    1145.7,    1277.1,       0.0);         ( 399253.6,
3818930.6,    1134.1,    1277.1,       0.0);
     ( 399244.9, 3818974.0,    1126.2,    1277.1,       0.0);         ( 399236.1,
3819017.5,    1126.4,    1277.1,       0.0);
     ( 398336.1, 3813951.4,    1168.5,    1607.3,       0.0);         ( 398301.2,
3813924.0,    1151.0,    1709.0,       0.0);
     ( 398266.3, 3813896.7,    1129.4,    1709.0,       0.0);         ( 398231.4,
3813869.3,    1112.1,    1709.0,       0.0);
     ( 399187.4, 3812934.6,    1162.4,    2170.7,       0.0);         ( 399210.0,
3812972.6,    1162.1,    2170.7,       0.0);
     ( 399232.6, 3813010.5,    1164.2,    2170.7,       0.0);         ( 399255.3,
3813048.4,    1157.7,    2170.7,       0.0);
     ( 399277.9, 3813086.3,    1161.2,    2170.7,       0.0);         ( 399300.5,
3813124.2,    1162.0,    2170.7,       0.0);
     ( 399323.1, 3813162.1,    1167.2,    2170.7,       0.0);         ( 399345.7,
3813200.0,    1173.5,    2170.7,       0.0);
     ( 399368.3, 3813237.9,    1173.2,    2170.7,       0.0);         ( 399391.0,
3813275.8,    1165.9,    2170.7,       0.0);
     ( 399413.6, 3813313.8,    1163.2,    2170.7,       0.0);         ( 399436.2,
3813351.7,    1164.2,    2170.7,       0.0);
     ( 399458.8, 3813389.6,    1166.7,    2170.7,       0.0);         ( 399481.4,
3813427.5,    1176.9,    2084.7,       0.0);
     ( 399504.1, 3813465.4,    1183.5,    2084.7,       0.0);         ( 399526.7,
3813503.3,    1183.4,    2084.7,       0.0);
     ( 399549.3, 3813541.2,    1180.4,    2084.7,       0.0);         ( 399571.9,
3813579.1,    1178.0,    2084.7,       0.0);
     ( 399594.5, 3813617.0,    1174.7,    2084.7,       0.0);         ( 399617.1,
3813655.0,    1179.1,    2083.7,       0.0);
     ( 399639.8, 3813692.9,    1182.9,    1793.5,       0.0);         ( 399662.4,
3813730.8,    1192.7,    1709.0,       0.0);
     ( 399685.0, 3813768.7,    1210.7,    1709.0,       0.0);         ( 399707.6,
3813806.6,    1224.8,    1709.0,       0.0);
     ( 399730.2, 3813844.5,    1218.0,    1709.0,       0.0);         ( 399752.8,
3813882.4,    1204.8,    1709.0,       0.0);
     ( 399775.5, 3813920.3,    1200.9,    1709.0,       0.0);         ( 399798.1,
3813958.2,    1205.0,    1709.0,       0.0);
     ( 399820.7, 3813996.2,    1211.3,    1709.0,       0.0);         ( 399843.3,
3814034.1,    1211.4,    1709.0,       0.0);
     ( 399865.9, 3814072.0,    1211.2,    1709.0,       0.0);         ( 399888.6,
3814109.9,    1209.8,    1709.0,       0.0);
     ( 399911.2, 3814147.8,    1214.8,    1607.3,       0.0);         ( 399933.8,
3814185.7,    1215.0,    1607.3,       0.0);
     ( 399956.4, 3814223.6,    1219.3,    1607.3,       0.0);         ( 399979.0,
3814261.5,    1222.8,    1607.3,       0.0);
     ( 400001.6, 3814299.4,    1221.6,    1607.3,       0.0);         ( 400024.3,
3814337.4,    1227.1,    1607.3,       0.0);
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(400182.6, 3814602.7, 1260.7, 1607.3, 0.0); (400205.2, 3814640.6, 1242.4, 1607.3, 0.0);
(400227.8, 3814678.6, 1259.1, 1607.3, 0.0); (400250.4, 3814716.5, 1267.8, 1607.3, 0.0);
(400273.1, 3814754.4, 1251.6, 1607.3, 0.0); (400295.7, 3814792.3, 1239.6, 1607.3, 0.0);
(400318.3, 3814830.2, 1238.7, 1607.3, 0.0); (400340.9, 3814868.1, 1225.4, 1607.3, 0.0);
(400363.5, 3814906.0, 1219.7, 1607.3, 0.0); (400386.1, 3814943.9, 1216.3, 1607.3, 0.0);
(400408.8, 3814981.8, 1217.4, 1607.3, 0.0); (400431.4, 3815019.8, 1211.0, 1607.3, 0.0);
(400454.0, 3815057.7, 1194.3, 1607.3, 0.0); (400476.6, 3815095.6, 1188.8, 1607.3, 0.0);
(400499.2, 3815133.5, 1185.8, 1607.3, 0.0); (400521.9, 3815171.4, 1183.6, 1607.3, 0.0);
(400544.5, 3815209.3, 1182.1, 1607.3, 0.0); (400567.1, 3815247.2, 1182.1, 1607.3, 0.0);
(400589.7, 3815285.1, 1185.3, 1607.3, 0.0); (400612.3, 3815323.0, 1196.9, 1607.3, 0.0);
(400634.9, 3815360.9, 1198.9, 1607.3, 0.0); (400657.6, 3815398.9, 1193.2, 1607.3, 0.0);
(400680.2, 3815436.8, 1189.3, 1607.3, 0.0); (400702.8, 3815474.7, 1195.5, 1607.3, 0.0);
(400725.4, 3815512.6, 1196.4, 1607.3, 0.0); (400748.0, 3815550.5, 1194.8, 1607.3, 0.0);
(400770.6, 3815588.4, 1193.8, 1607.3, 0.0); (400793.3, 3815626.3, 1196.3, 1607.3, 0.0);
(400815.9, 3815664.2, 1199.5, 1607.3, 0.0); (400838.5, 3815702.1, 1206.7, 1607.3, 0.0);
(400861.1, 3815740.1, 1217.9, 1607.3, 0.0); (400883.7, 3815778.0, 1224.5, 1607.3, 0.0);

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     ( 400906.4, 3815815.9,    1235.7,    1607.3,       0.0);         ( 400929.0,
3815853.8,    1241.8,    1607.3,       0.0);
     ( 400951.6, 3815891.7,    1245.0,    1607.3,       0.0);         ( 400974.2,
3815929.6,    1250.5,    1607.3,       0.0);
     ( 400996.8, 3815967.5,    1257.9,    1607.3,       0.0);         ( 401019.4,
3816005.4,    1272.0,    1607.3,       0.0);
     ( 401042.1, 3816043.3,    1285.2,    1607.3,       0.0);         ( 401064.7,
3816081.3,    1302.6,    1607.3,       0.0);
     ( 401083.0, 3816140.8,    1297.5,    1607.3,       0.0);         ( 401074.2,
3816184.1,    1284.5,    1607.3,       0.0);
     ( 401065.6, 3816227.4,    1284.8,    1607.3,       0.0);         ( 401056.9,
3816270.7,    1274.6,    1607.3,       0.0);
     ( 401048.2, 3816313.9,    1270.8,    1607.3,       0.0);         ( 401039.5,
3816357.2,    1272.5,    1607.3,       0.0);
     ( 401030.8, 3816400.5,    1269.4,    1607.3,       0.0);         ( 401022.1,
3816443.8,    1264.1,    1607.3,       0.0);
     ( 401013.4, 3816487.1,    1257.9,    1607.3,       0.0);         ( 401004.7,
3816530.3,    1247.9,    1607.3,       0.0);
     ( 400996.0, 3816573.6,    1234.0,    1607.3,       0.0);         ( 400987.3,
3816616.9,    1218.6,    1607.3,       0.0);
     ( 400978.6, 3816660.2,    1210.2,    1607.3,       0.0);         ( 400969.9,
3816703.5,    1205.1,    1607.3,       0.0);
     ( 400961.2, 3816746.7,    1209.3,    1607.3,       0.0);         ( 400952.5,
3816790.0,    1217.1,    1607.3,       0.0);
     ( 400943.8, 3816833.3,    1218.2,    1607.3,       0.0);         ( 400935.1,
3816876.6,    1212.4,    1607.3,       0.0);
     ( 400926.4, 3816919.9,    1212.5,    1607.3,       0.0);         ( 400917.7,
3816963.1,    1210.8,    1607.3,       0.0);
     ( 400909.0, 3817006.4,    1200.8,    1607.3,       0.0);         ( 400900.3,
3817049.7,    1188.9,    1607.3,       0.0);
     ( 400891.6, 3817093.0,    1178.8,    1607.3,       0.0);         ( 400883.0,
3817136.3,    1184.7,    1607.3,       0.0);
     ( 400874.3, 3817179.5,    1191.3,    1607.3,       0.0);         ( 400865.6,
3817222.8,    1183.4,    1607.3,       0.0);
     ( 400856.9, 3817266.1,    1172.3,    1607.3,       0.0);         ( 400848.2,
3817309.4,    1160.1,    1607.3,       0.0);
     ( 400839.5, 3817352.7,    1154.9,    1607.3,       0.0);         ( 400830.8,
3817395.9,    1157.0,    1607.3,       0.0);
     ( 400822.1, 3817439.2,    1156.8,    1607.3,       0.0);         ( 400813.4,
3817482.5,    1147.8,    1607.3,       0.0);
     ( 400804.7, 3817525.8,    1141.0,    1607.3,       0.0);         ( 400796.0,
3817569.1,    1145.4,    1607.3,       0.0);
     ( 400787.3, 3817612.3,    1153.5,    1607.3,       0.0);         ( 400778.6,
3817655.6,    1155.5,    1607.3,       0.0);
     ( 400769.9, 3817698.9,    1143.1,    1607.3,       0.0);         ( 400761.2,
3817742.2,    1128.4,    1607.3,       0.0);
     ( 400752.5, 3817785.5,    1132.2,    1607.3,       0.0);         ( 400743.8,
3817828.8,    1141.6,    1607.3,       0.0);
     ( 400735.1, 3817872.0,    1152.6,    1607.3,       0.0);         ( 400726.5,
3817915.3,    1163.5,    1607.3,       0.0);
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(400717.8, 3817958.6, 1168.4, 1607.3, 0.0); (400709.0, 3818001.9, 1170.6, 1541.6, 0.0);
(400700.4, 3818045.2, 1171.6, 1201.0, 0.0); (400691.7, 3818088.4, 1171.9, 1201.0, 0.0);
(400683.0, 3818131.7, 1167.3, 1201.0, 0.0); (400674.3, 3818175.0, 1157.4, 1541.6, 0.0);
(400665.6, 3818218.3, 1155.8, 1541.6, 0.0); (400656.9, 3818261.6, 1157.5, 1201.0, 0.0);

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

(400648.2, 3818304.8, 1156.2, 1201.0, 0.0); (400639.5, 3818348.1, 1150.5, 1201.0, 0.0);
(400630.8, 3818391.4, 1141.7, 1201.0, 0.0); (400622.1, 3818434.7, 1135.1, 1541.6, 0.0);
(400613.4, 3818478.0, 1136.8, 1241.5, 0.0); (400604.7, 3818521.2, 1116.3, 1541.6, 0.0);
(400596.0, 3818564.5, 1106.1, 1607.3, 0.0); (400587.3, 3818607.8, 1105.8, 1605.9, 0.0);
(400578.6, 3818651.1, 1103.9, 1541.6, 0.0); (400569.9, 3818694.4, 1102.6, 1541.6, 0.0);
(400561.2, 3818737.6, 1095.3, 1541.6, 0.0); (400552.5, 3818780.9, 1084.7, 1607.3, 0.0);
(400543.8, 3818824.2, 1079.6, 1607.3, 0.0); (400535.1, 3818867.5, 1076.9, 1607.3, 0.0);
(400526.5, 3818910.8, 1073.6, 1607.0, 0.0); (400517.8, 3818954.0, 1072.5, 1541.6, 0.0);
(400509.1, 3818997.3, 1071.6, 1541.6, 0.0); (400500.4, 3819040.6, 1068.3, 1541.6, 0.0);
(400491.7, 3819083.9, 1061.9, 1541.6, 0.0); (400483.0, 3819127.2, 1071.2, 1541.6, 0.0);
(400474.3, 3819170.4, 1075.9, 1277.1, 0.0); (400465.6, 3819213.7, 1076.7, 1277.1, 0.0);
(400456.9, 3819257.0, 1066.2, 1277.1, 0.0); (400448.2, 3819300.3, 1054.5, 1541.6, 0.0);
(400439.5, 3819343.6, 1046.3, 1541.6, 0.0); (400430.8, 3819386.8, 1038.8, 1541.6, 0.0);
(400422.1, 3819430.1, 1030.1, 1541.6, 0.0); (400413.4, 3819473.4, 1026.9, 1541.6, 0.0);
(400404.7, 3819516.7, 1020.6, 1541.6, 0.0); (400396.0, 3819560.0, 1011.5, 1541.6, 0.0);

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     ( 400387.3, 3819603.3,    1005.2,    1541.6,       0.0);         ( 400378.6,
3819646.5,    1005.1,    1541.6,       0.0);
     ( 400369.9, 3819689.8,    1006.2,    1541.6,       0.0);         ( 400361.2,
3819733.1,    1008.0,    1541.6,       0.0);
     ( 399158.6, 3812902.0,    1166.8,    2170.7,       0.0);         ( 399123.8,
3812874.7,    1164.3,    2170.7,       0.0);
     ( 399088.8, 3812847.3,    1164.5,    2170.7,       0.0);         ( 399054.0,
3812819.9,    1159.8,    2170.7,       0.0);
     ( 400010.0, 3811885.3,    1231.6,    2170.7,       0.0);         ( 400032.6,
3811923.3,    1238.9,    2170.7,       0.0);
     ( 400055.3, 3811961.3,    1256.5,    2170.7,       0.0);         ( 400078.0,
3811999.3,    1272.2,    2170.7,       0.0);
     ( 400100.6, 3812037.3,    1272.1,    2170.7,       0.0);         ( 400123.3,
3812075.3,    1269.0,    2170.7,       0.0);
     ( 400146.0, 3812113.3,    1269.3,    2170.7,       0.0);         ( 400168.6,
3812151.3,    1282.0,    2170.7,       0.0);
     ( 400191.3, 3812189.3,    1276.4,    2170.7,       0.0);         ( 400214.0,
3812227.2,    1284.3,    2170.7,       0.0);
     ( 400236.6, 3812265.2,    1301.9,    2170.7,       0.0);         ( 400259.3,
3812303.2,    1322.6,    2084.7,       0.0);
     ( 400282.0, 3812341.2,    1341.5,    1709.0,       0.0);         ( 400304.6,
3812379.2,    1346.9,    1709.0,       0.0);
     ( 400327.3, 3812417.2,    1343.8,    1709.0,       0.0);         ( 400350.0,
3812455.2,    1349.9,    1709.0,       0.0);
     ( 400372.6, 3812493.2,    1360.0,    1709.0,       0.0);         ( 400395.3,
3812531.2,    1358.5,    1709.0,       0.0);
     ( 400418.0, 3812569.2,    1365.8,    1709.0,       0.0);         ( 400440.7,
3812607.2,    1349.2,    1709.0,       0.0);
     ( 400463.3, 3812645.2,    1328.2,    1709.0,       0.0);         ( 400486.0,
3812683.2,    1310.5,    1793.5,       0.0);
     ( 400508.7, 3812721.2,    1296.1,    2084.7,       0.0);         ( 400531.3,
3812759.2,    1288.2,    2084.7,       0.0);
     ( 400554.0, 3812797.2,    1283.6,    2084.7,       0.0);         ( 400576.7,
3812835.2,    1273.5,    2170.7,       0.0);
     ( 400599.3, 3812873.2,    1279.3,    2084.7,       0.0);         ( 400622.0,
3812911.2,    1277.3,    2084.7,       0.0);
     ( 400644.7, 3812949.2,    1269.4,    2084.7,       0.0);         ( 400667.3,
3812987.2,    1273.4,    2084.7,       0.0);
     ( 400690.0, 3813025.2,    1285.5,    1793.5,       0.0);         ( 400712.7,
3813063.2,    1296.6,    1709.0,       0.0);
     ( 400735.3, 3813101.1,    1304.9,    1709.0,       0.0);         ( 400758.0,
3813139.1,    1307.0,    1709.0,       0.0);
     ( 400780.7, 3813177.1,    1290.4,    1709.0,       0.0);         ( 400803.3,
3813215.1,    1278.7,    1793.5,       0.0);
     ( 400826.0, 3813253.1,    1284.8,    1709.0,       0.0);         ( 400848.7,
3813291.1,    1292.7,    1709.0,       0.0);
     ( 400871.3, 3813329.1,    1303.0,    1709.0,       0.0);         ( 400894.0,
3813367.1,    1317.8,    1607.3,       0.0);
     ( 400916.7, 3813405.1,    1332.9,    1607.3,       0.0);         ( 400939.4,
3813443.1,    1348.7,    1607.3,       0.0);
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(400962.0, 3813481.1, 1372.6, 1607.3, 0.0); (400984.7, 3813519.1, 1394.8, 1607.3, 0.0);
(401007.4, 3813557.1, 1405.6, 1607.3, 0.0); (401030.0, 3813595.1, 1395.8, 1607.3, 0.0);
(401052.7, 3813633.1, 1374.0, 1607.3, 0.0); (401075.4, 3813671.1, 1347.5, 1607.3, 0.0);
(401098.0, 3813709.1, 1330.1, 1607.3, 0.0); (401120.7, 3813747.1, 1344.9, 1607.3, 0.0);
(401143.4, 3813785.1, 1347.0, 1607.3, 0.0); (401166.0, 3813823.1, 1352.1, 1607.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(401188.7, 3813861.1, 1365.0, 1607.3, 0.0); (401211.4, 3813899.1, 1382.1, 1607.3, 0.0);
(401234.0, 3813937.1, 1403.8, 1607.3, 0.0); (401256.7, 3813975.0, 1429.5, 1607.3, 0.0);
(401279.4, 3814013.0, 1445.0, 1607.3, 0.0); (401302.0, 3814051.0, 1437.4, 1607.3, 0.0);
(401324.7, 3814089.0, 1428.1, 1607.3, 0.0); (401347.4, 3814127.0, 1422.6, 1607.3, 0.0);
(401370.0, 3814165.0, 1411.6, 1607.3, 0.0); (401392.7, 3814203.0, 1397.8, 1607.3, 0.0);
(401415.4, 3814241.0, 1387.5, 1607.3, 0.0); (401438.0, 3814279.0, 1383.8, 1607.3, 0.0);
(401460.7, 3814317.0, 1367.7, 1607.3, 0.0); (401483.4, 3814355.0, 1343.6, 1607.3, 0.0);
(401506.1, 3814393.0, 1321.2, 1607.3, 0.0); (401528.7, 3814431.0, 1314.5, 1607.3, 0.0);
(401551.4, 3814469.0, 1323.8, 1607.3, 0.0); (401574.1, 3814507.0, 1315.0, 1607.3, 0.0);
(401596.7, 3814545.0, 1311.8, 1607.3, 0.0); (401619.4, 3814583.0, 1319.0, 1607.3, 0.0);
(401642.1, 3814621.0, 1338.0, 1607.3, 0.0); (401664.7, 3814659.0, 1340.6, 1607.3, 0.0);
(401687.4, 3814697.0, 1340.4, 1607.3, 0.0); (401710.1, 3814735.0, 1334.1, 1607.3, 0.0);
(401732.7, 3814773.0, 1325.5, 1607.3, 0.0); (401755.4, 3814810.9, 1315.9, 1607.3, 0.0);
(401778.1, 3814848.9, 1324.1, 1607.3, 0.0); (401800.7, 3814886.9, 1344.1, 1607.3, 0.0);

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     ( 401823.4, 3814924.9,    1351.7,    1607.3,       0.0);         ( 401846.1,
3814962.9,    1340.2,    1607.3,       0.0);
     ( 401868.8, 3815000.9,    1329.8,    1607.3,       0.0);         ( 401891.4,
3815038.9,    1316.4,    1607.3,       0.0);
     ( 401914.1, 3815076.9,    1303.2,    1607.3,       0.0);         ( 401936.8,
3815114.9,    1290.3,    1607.3,       0.0);
     ( 401959.4, 3815152.9,    1286.3,    1607.3,       0.0);         ( 401982.1,
3815190.9,    1286.6,    1607.3,       0.0);
     ( 402004.8, 3815228.9,    1281.5,    1607.3,       0.0);         ( 402027.4,
3815266.9,    1288.7,    1607.3,       0.0);
     ( 402050.1, 3815304.9,    1286.7,    1607.3,       0.0);         ( 402072.8,
3815342.9,    1293.9,    1607.3,       0.0);
     ( 402095.4, 3815380.9,    1296.1,    1607.3,       0.0);         ( 402118.1,
3815418.9,    1288.7,    1607.3,       0.0);
     ( 402140.8, 3815456.9,    1275.1,    1607.3,       0.0);         ( 402163.4,
3815494.9,    1272.9,    1607.3,       0.0);
     ( 402186.1, 3815532.9,    1283.1,    1607.3,       0.0);         ( 402208.8,
3815570.9,    1281.7,    1607.3,       0.0);
     ( 402231.4, 3815608.9,    1280.8,    1607.3,       0.0);         ( 402254.1,
3815646.9,    1289.7,    1607.3,       0.0);
     ( 402276.8, 3815684.8,    1276.1,    1607.3,       0.0);         ( 402299.4,
3815722.8,    1254.7,    1607.3,       0.0);
     ( 402322.1, 3815760.8,    1251.3,    1607.3,       0.0);         ( 402344.8,
3815798.8,    1259.6,    1607.3,       0.0);
     ( 402367.5, 3815836.8,    1245.9,    1607.3,       0.0);         ( 402390.1,
3815874.8,    1259.0,    1607.3,       0.0);
     ( 402397.1, 3815915.5,    1271.5,    1607.3,       0.0);         ( 402388.4,
3815958.9,    1275.5,    1607.3,       0.0);
     ( 402379.7, 3816002.3,    1268.3,    1607.3,       0.0);         ( 402371.0,
3816045.6,    1266.3,    1607.3,       0.0);
     ( 402362.2, 3816089.0,    1257.7,    1607.3,       0.0);         ( 402353.5,
3816132.4,    1237.8,    1607.3,       0.0);
     ( 402344.8, 3816175.8,    1222.3,    1607.3,       0.0);         ( 402336.1,
3816219.2,    1220.1,    1607.3,       0.0);
     ( 402327.4, 3816262.5,    1210.6,    1607.3,       0.0);         ( 402318.7,
3816305.9,    1210.0,    1607.3,       0.0);
     ( 402310.0, 3816349.3,    1217.0,    1607.3,       0.0);         ( 402301.2,
3816392.7,    1215.1,    1607.3,       0.0);
     ( 402292.5, 3816436.0,    1207.6,    1607.3,       0.0);         ( 402283.8,
3816479.4,    1202.8,    1607.3,       0.0);
     ( 402275.1, 3816522.8,    1196.3,    1607.3,       0.0);         ( 402266.4,
3816566.2,    1196.3,    1607.3,       0.0);
     ( 402257.7, 3816609.5,    1190.6,    1607.3,       0.0);         ( 402248.9,
3816652.9,    1184.1,    1607.3,       0.0);
     ( 402240.2, 3816696.3,    1172.8,    1607.3,       0.0);         ( 402231.5,
3816739.7,    1164.8,    1607.3,       0.0);
     ( 402222.8, 3816783.1,    1160.4,    1607.3,       0.0);         ( 402214.1,
3816826.4,    1156.9,    1607.3,       0.0);
     ( 402205.4, 3816869.8,    1153.0,    1607.3,       0.0);         ( 402196.7,
3816913.2,    1150.5,    1607.3,       0.0);
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(402187.9, 3816956.6, 1148.8, 1607.3, 0.0); (402179.2,
3816999.9, 1151.0, 1607.3, 0.0);
(402170.5, 3817043.3, 1148.8, 1607.3, 0.0); (402161.8,
3817086.7, 1143.7, 1607.3, 0.0);
(402153.1, 3817130.1, 1146.3, 1607.3, 0.0); (402144.4,
3817173.4, 1146.6, 1607.3, 0.0);
(402135.6, 3817216.8, 1143.2, 1607.3, 0.0); (402126.9,
3817260.2, 1140.7, 1607.3, 0.0);
(402118.2, 3817303.6, 1136.3, 1607.3, 0.0); (402109.5,
3817347.0, 1128.2, 1607.3, 0.0);
(402100.8, 3817390.3, 1125.4, 1607.3, 0.0); (402092.1,
3817433.7, 1121.6, 1607.3, 0.0);

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

(402083.4, 3817477.1, 1120.2, 1607.3, 0.0); (402074.6,
3817520.5, 1110.0, 1607.3, 0.0);
(402065.9, 3817563.8, 1105.8, 1607.3, 0.0); (402057.2,
3817607.2, 1103.6, 1607.3, 0.0);
(402048.5, 3817650.6, 1115.3, 1607.3, 0.0); (402039.8,
3817694.0, 1124.3, 1607.3, 0.0);
(402031.1, 3817737.3, 1129.1, 1607.3, 0.0); (402022.4,
3817780.7, 1128.9, 1607.3, 0.0);
(402013.6, 3817824.1, 1126.8, 1607.3, 0.0); (402004.9,
3817867.5, 1121.1, 1607.3, 0.0);
(401996.2, 3817910.9, 1109.6, 1607.3, 0.0); (401987.5,
3817954.2, 1099.2, 1607.3, 0.0);
(401978.8, 3817997.6, 1090.8, 1607.3, 0.0); (401970.1,
3818041.0, 1092.8, 1607.3, 0.0);
(401961.4, 3818084.4, 1093.8, 1607.3, 0.0); (401952.6,
3818127.7, 1093.6, 1607.3, 0.0);
(401943.9, 3818171.1, 1092.4, 1607.3, 0.0); (401935.2,
3818214.5, 1088.3, 1607.3, 0.0);
(401926.5, 3818257.9, 1083.8, 1607.3, 0.0); (401917.8,
3818301.2, 1083.1, 1607.3, 0.0);
(401909.1, 3818344.6, 1082.6, 1607.3, 0.0); (401900.4,
3818388.0, 1083.0, 1607.3, 0.0);
(401891.6, 3818431.4, 1083.8, 1607.3, 0.0); (401882.9,
3818474.8, 1081.8, 1607.3, 0.0);
(401874.2, 3818518.1, 1079.0, 1607.3, 0.0); (401865.5,
3818561.5, 1072.6, 1607.3, 0.0);

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     ( 401856.8, 3818604.9,    1065.3,    1607.3,       0.0);         ( 401848.1,
3818648.3,    1059.6,    1607.3,       0.0);
     ( 401839.4, 3818691.6,    1055.6,    1607.3,       0.0);         ( 401830.6,
3818735.0,    1057.7,    1607.3,       0.0);
     ( 401821.9, 3818778.4,    1059.2,    1607.3,       0.0);         ( 401813.2,
3818821.8,    1038.1,    1607.3,       0.0);
     ( 401804.5, 3818865.1,    1032.2,    1607.3,       0.0);         ( 401795.8,
3818908.5,    1030.8,    1607.3,       0.0);
     ( 401787.1, 3818951.9,    1029.3,    1607.3,       0.0);         ( 401778.3,
3818995.3,    1030.9,    1607.3,       0.0);
     ( 401769.6, 3819038.7,    1035.0,    1607.3,       0.0);         ( 401760.9,
3819082.0,    1033.6,    1607.3,       0.0);
     ( 401752.2, 3819125.4,    1031.2,    1607.3,       0.0);         ( 401743.5,
3819168.8,    1031.1,    1607.3,       0.0);
     ( 401734.8, 3819212.2,    1032.2,    1607.3,       0.0);         ( 401726.1,
3819255.5,    1031.6,    1607.3,       0.0);
     ( 401717.3, 3819298.9,    1030.9,    1607.3,       0.0);         ( 401708.6,
3819342.3,    1027.9,    1607.3,       0.0);
     ( 401699.9, 3819385.7,    1023.6,    1607.3,       0.0);         ( 401691.2,
3819429.0,    1020.1,    1607.3,       0.0);
     ( 401682.5, 3819472.4,    1018.1,    1607.3,       0.0);         ( 401673.8,
3819515.8,    1015.6,    1607.3,       0.0);
     ( 401665.1, 3819559.2,    1012.7,    1607.3,       0.0);         ( 401656.3,
3819602.6,    1013.4,    1607.3,       0.0);
     ( 401647.6, 3819645.9,    1012.7,    1607.3,       0.0);         ( 401638.9,
3819689.3,    1009.9,    1607.3,       0.0);
     ( 401630.2, 3819732.7,    1006.9,    1607.0,       0.0);         ( 401621.5,
3819776.1,    1005.6,    1552.9,       0.0);
     ( 401612.8, 3819819.4,    1004.3,    1552.9,       0.0);         ( 401604.1,
3819862.8,    1002.3,    1552.9,       0.0);
     ( 401595.3, 3819906.2,     999.5,    1552.9,       0.0);         ( 401586.6,
3819949.6,     997.2,    1552.9,       0.0);
     ( 401577.9, 3819993.0,     992.2,    1552.9,       0.0);         ( 401569.2,
3820036.3,     981.5,    1552.9,       0.0);
     ( 401560.5, 3820079.7,     975.2,    1552.9,       0.0);         ( 401551.8,
3820123.1,     975.4,    1552.9,       0.0);
     ( 401543.1, 3820166.5,     978.0,    1552.5,       0.0);         ( 401534.3,
3820209.8,     974.4,    1552.5,       0.0);
     ( 401525.6, 3820253.2,     971.2,    1552.5,       0.0);         ( 401516.9,
3820296.6,     968.0,    1541.6,       0.0);
     ( 401508.2, 3820340.0,     962.3,    1552.5,       0.0);         ( 401499.5,
3820383.3,     958.3,    1541.6,       0.0);
     ( 401490.8, 3820426.7,     961.7,    1541.6,       0.0);         ( 399981.2,
3811852.6,    1225.0,    2170.7,       0.0);
     ( 399946.3, 3811825.3,    1219.6,    2170.7,       0.0);         ( 399911.4,
3811797.9,    1215.3,    2170.7,       0.0);
     ( 399876.5, 3811770.5,    1213.5,    2170.7,       0.0);         ( 400832.5,
3810835.9,    1335.3,    2170.7,       0.0);
     ( 400855.2, 3810874.0,    1332.0,    2170.7,       0.0);         ( 400877.9,
3810912.0,    1328.7,    2170.7,       0.0);
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(400900.6, 3810950.1, 1325.7, 2170.7, 0.0); (400923.3, 3810988.1, 1321.5, 2170.7, 0.0);
(400946.0, 3811026.2, 1318.6, 2170.7, 0.0); (400968.7, 3811064.2, 1310.3, 2170.7, 0.0);
(400991.4, 3811102.3, 1301.1, 2170.7, 0.0); (401014.1, 3811140.3, 1298.6, 2170.7, 0.0);
(401036.8, 3811178.4, 1292.5, 2170.7, 0.0); (401059.5, 3811216.4, 1287.7, 2170.7, 0.0);
(401082.2, 3811254.5, 1283.0, 2170.7, 0.0); (401104.9, 3811292.5, 1286.8, 2170.7, 0.0);
(401127.6, 3811330.6, 1286.7, 2170.7, 0.0); (401150.3, 3811368.6, 1285.0, 2170.7, 0.0);
(401173.0, 3811406.7, 1276.2, 2170.7, 0.0); (401195.7, 3811444.8, 1286.0, 2170.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(401218.4, 3811482.8, 1294.7, 2170.7, 0.0); (401241.1, 3811520.9, 1311.4, 2170.7, 0.0);
(401263.8, 3811558.9, 1324.0, 2170.7, 0.0); (401286.5, 3811597.0, 1315.9, 2170.7, 0.0);
(401309.2, 3811635.0, 1297.3, 2170.7, 0.0); (401331.9, 3811673.1, 1289.2, 2170.7, 0.0);
(401354.6, 3811711.1, 1290.8, 2170.7, 0.0); (401377.3, 3811749.2, 1293.3, 2170.7, 0.0);
(401400.0, 3811787.2, 1295.1, 2170.7, 0.0); (401422.8, 3811825.3, 1299.2, 2170.7, 0.0);
(401445.5, 3811863.3, 1303.9, 2170.7, 0.0); (401468.1, 3811901.4, 1309.8, 2170.7, 0.0);
(401490.8, 3811939.4, 1316.8, 2170.7, 0.0); (401513.5, 3811977.5, 1322.9, 2170.7, 0.0);
(401536.2, 3812015.5, 1324.2, 2170.7, 0.0); (401559.0, 3812053.6, 1329.5, 2170.7, 0.0);
(401581.7, 3812091.6, 1336.2, 2170.7, 0.0); (401604.4, 3812129.7, 1348.6, 2170.7, 0.0);
(401627.1, 3812167.7, 1357.4, 2170.7, 0.0); (401649.8, 3812205.8, 1369.1, 2170.7, 0.0);
(401672.5, 3812243.8, 1372.6, 2170.7, 0.0); (401695.2, 3812281.9, 1378.6, 2084.7, 0.0);
(401717.9, 3812319.9, 1384.1, 1793.5, 0.0); (401740.6, 3812358.0, 1390.4, 1793.5, 0.0);

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     ( 401763.3, 3812396.0,    1402.6,    1709.0,       0.0);         ( 401786.0,
3812434.1,    1424.1,    1607.3,       0.0);
     ( 401808.7, 3812472.1,    1448.6,    1607.3,       0.0);         ( 401831.4,
3812510.2,    1466.3,    1607.3,       0.0);
     ( 401854.1, 3812548.2,    1478.8,    1607.3,       0.0);         ( 401876.8,
3812586.3,    1471.2,    1607.3,       0.0);
     ( 401899.5, 3812624.3,    1454.6,    1607.3,       0.0);         ( 401922.2,
3812662.4,    1440.0,    1607.3,       0.0);
     ( 401944.9, 3812700.5,    1430.2,    1607.3,       0.0);         ( 401967.6,
3812738.5,    1422.6,    1607.3,       0.0);
     ( 401990.3, 3812776.6,    1443.1,    1607.3,       0.0);         ( 402013.0,
3812814.6,    1464.0,    1607.3,       0.0);
     ( 402035.7, 3812852.7,    1463.3,    1607.3,       0.0);         ( 402058.4,
3812890.7,    1442.6,    1607.3,       0.0);
     ( 402081.1, 3812928.8,    1414.6,    1607.3,       0.0);         ( 402103.8,
3812966.8,    1397.2,    1607.3,       0.0);
     ( 402126.5, 3813004.9,    1394.5,    1607.3,       0.0);         ( 402149.2,
3813042.9,    1405.1,    1607.3,       0.0);
     ( 402171.9, 3813081.0,    1395.1,    1607.3,       0.0);         ( 402194.6,
3813119.0,    1372.6,    1607.3,       0.0);
     ( 402217.3, 3813157.1,    1350.7,    1607.3,       0.0);         ( 402240.0,
3813195.1,    1374.1,    1607.3,       0.0);
     ( 402262.7, 3813233.2,    1395.3,    1607.3,       0.0);         ( 402285.4,
3813271.2,    1394.3,    1607.3,       0.0);
     ( 402308.1, 3813309.3,    1390.3,    1607.3,       0.0);         ( 402330.8,
3813347.3,    1384.2,    1607.3,       0.0);
     ( 402353.5, 3813385.4,    1388.8,    1607.3,       0.0);         ( 402376.2,
3813423.4,    1407.2,    1607.3,       0.0);
     ( 402398.9, 3813461.5,    1434.8,    1607.3,       0.0);         ( 402421.6,
3813499.5,    1457.9,    1607.3,       0.0);
     ( 402444.3, 3813537.6,    1472.6,    1607.3,       0.0);         ( 402467.0,
3813575.6,    1475.5,    1607.3,       0.0);
     ( 402489.7, 3813613.7,    1463.2,    1607.3,       0.0);         ( 402512.4,
3813651.8,    1437.7,    1607.3,       0.0);
     ( 402535.1, 3813689.8,    1406.6,    1607.3,       0.0);         ( 402557.8,
3813727.8,    1405.8,    1607.3,       0.0);
     ( 402580.5, 3813765.9,    1416.6,    1607.3,       0.0);         ( 402603.2,
3813803.9,    1428.6,    1607.3,       0.0);
     ( 402625.9, 3813842.0,    1434.0,    1607.3,       0.0);         ( 402648.6,
3813880.1,    1429.0,    1607.3,       0.0);
     ( 402671.3, 3813918.1,    1406.6,    1607.3,       0.0);         ( 402694.0,
3813956.2,    1373.9,    1607.3,       0.0);
     ( 402716.7, 3813994.2,    1355.0,    1607.3,       0.0);         ( 402739.4,
3814032.3,    1366.3,    1607.3,       0.0);
     ( 402762.1, 3814070.3,    1380.4,    1607.3,       0.0);         ( 402784.8,
3814108.4,    1382.5,    1607.3,       0.0);
     ( 402807.5, 3814146.4,    1381.7,    1607.3,       0.0);         ( 402830.2,
3814184.5,    1403.9,    1607.3,       0.0);
     ( 402852.9, 3814222.5,    1406.0,    1607.3,       0.0);         ( 402875.6,
3814260.6,    1409.2,    1607.3,       0.0);
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(402898.3, 3814298.6, 1430.5, 1607.3, 0.0); (402921.0,
3814336.7, 1458.2, 1607.3, 0.0);
(402943.8, 3814374.7, 1475.4, 1607.3, 0.0); (402966.5,
3814412.8, 1481.9, 1597.1, 0.0);
(402989.1, 3814450.8, 1487.8, 1552.9, 0.0); (403011.8,
3814488.9, 1507.9, 1552.9, 0.0);
(403034.6, 3814526.9, 1530.8, 1552.9, 0.0); (403057.3,
3814565.0, 1544.4, 1547.6, 0.0);
(403080.0, 3814603.0, 1540.2, 1548.3, 0.0); (403102.7,
3814641.1, 1533.5, 1548.3, 0.0);
(403125.4, 3814679.1, 1525.2, 1552.9, 0.0); (403148.1,
3814717.2, 1512.0, 1552.9, 0.0);
(403170.8, 3814755.2, 1502.8, 1552.9, 0.0); (403193.5,
3814793.3, 1493.9, 1552.9, 0.0);
(403216.2, 3814831.3, 1479.4, 1552.9, 0.0); (403238.9,
3814869.4, 1462.9, 1552.9, 0.0);

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

(403261.6, 3814907.4, 1467.3, 1552.9, 0.0); (403284.3,
3814945.5, 1487.9, 1552.9, 0.0);
(403307.0, 3814983.5, 1494.7, 1552.9, 0.0); (403329.7,
3815021.6, 1486.9, 1552.9, 0.0);
(403352.4, 3815059.7, 1483.4, 1552.9, 0.0); (403375.1,
3815097.7, 1480.6, 1552.9, 0.0);
(403397.8, 3815135.8, 1475.3, 1552.9, 0.0); (403420.5,
3815173.8, 1472.8, 1552.9, 0.0);
(403443.2, 3815211.9, 1482.6, 1541.6, 0.0); (403465.9,
3815249.9, 1470.2, 1541.6, 0.0);
(403488.6, 3815288.0, 1462.9, 1548.3, 0.0); (403511.3,
3815326.0, 1475.8, 1541.6, 0.0);
(403534.0, 3815364.1, 1495.2, 1541.6, 0.0); (403556.7,
3815402.1, 1505.0, 1541.6, 0.0);
(403579.4, 3815440.2, 1494.3, 1541.6, 0.0); (403602.1,
3815478.2, 1473.8, 1541.6, 0.0);
(403624.8, 3815516.3, 1456.5, 1541.6, 0.0); (403647.5,
3815554.3, 1454.8, 1541.6, 0.0);
(403670.2, 3815592.4, 1460.5, 1541.6, 0.0); (403692.9,
3815630.4, 1459.8, 1541.6, 0.0);
(403711.2, 3815690.2, 1434.9, 1541.6, 0.0); (403702.5,
3815733.6, 1414.6, 1541.6, 0.0);

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     ( 403693.8, 3815777.1,    1393.9,    1552.9,       0.0);         ( 403685.1,
3815820.5,    1371.1,    1552.9,       0.0);
     ( 403676.3, 3815864.0,    1356.5,    1552.9,       0.0);         ( 403667.6,
3815907.4,    1356.5,    1552.9,       0.0);
     ( 403658.9, 3815950.8,    1348.6,    1552.9,       0.0);         ( 403650.1,
3815994.3,    1339.0,    1552.9,       0.0);
     ( 403641.4, 3816037.7,    1326.6,    1552.9,       0.0);         ( 403632.7,
3816081.2,    1311.9,    1607.0,       0.0);
     ( 403624.0, 3816124.6,    1318.4,    1552.9,       0.0);         ( 403615.2,
3816168.0,    1332.4,    1552.9,       0.0);
     ( 403606.5, 3816211.5,    1332.3,    1552.9,       0.0);         ( 403597.8,
3816254.9,    1326.6,    1552.9,       0.0);
     ( 403589.0, 3816298.4,    1316.6,    1552.9,       0.0);         ( 403580.3,
3816341.8,    1306.4,    1552.9,       0.0);
     ( 403571.6, 3816385.3,    1300.6,    1552.9,       0.0);         ( 403562.9,
3816428.7,    1302.3,    1552.9,       0.0);
     ( 403554.1, 3816472.1,    1302.2,    1552.9,       0.0);         ( 403545.4,
3816515.6,    1288.4,    1596.5,       0.0);
     ( 403536.7, 3816559.0,    1278.0,    1607.0,       0.0);         ( 403528.0,
3816602.5,    1270.7,    1607.3,       0.0);
     ( 403519.2, 3816645.9,    1271.9,    1607.0,       0.0);         ( 403510.5,
3816689.3,    1273.3,    1597.1,       0.0);
     ( 403501.8, 3816732.8,    1266.1,    1607.0,       0.0);         ( 403493.0,
3816776.2,    1252.3,    1607.3,       0.0);
     ( 403484.3, 3816819.7,    1248.8,    1607.3,       0.0);         ( 403475.6,
3816863.1,    1240.5,    1607.3,       0.0);
     ( 403466.9, 3816906.5,    1221.0,    1607.3,       0.0);         ( 403458.1,
3816950.0,    1213.1,    1607.3,       0.0);
     ( 403449.4, 3816993.4,    1192.5,    1607.3,       0.0);         ( 403440.7,
3817036.9,    1187.9,    1607.3,       0.0);
     ( 403432.0, 3817080.3,    1181.8,    1607.3,       0.0);         ( 403423.2,
3817123.8,    1175.2,    1607.3,       0.0);
     ( 403414.5, 3817167.2,    1180.0,    1607.3,       0.0);         ( 403405.8,
3817210.6,    1189.1,    1607.3,       0.0);
     ( 403397.0, 3817254.1,    1178.4,    1607.3,       0.0);         ( 403388.3,
3817297.5,    1160.1,    1607.3,       0.0);
     ( 403379.6, 3817341.0,    1150.3,    1607.3,       0.0);         ( 403370.9,
3817384.4,    1138.0,    1607.3,       0.0);
     ( 403362.1, 3817427.8,    1131.6,    1607.3,       0.0);         ( 403353.4,
3817471.3,    1125.1,    1607.3,       0.0);
     ( 403344.7, 3817514.7,    1112.9,    1607.3,       0.0);         ( 403336.0,
3817558.2,    1110.1,    1607.3,       0.0);
     ( 403327.2, 3817601.6,    1105.4,    1607.3,       0.0);         ( 403318.5,
3817645.0,    1097.4,    1607.3,       0.0);
     ( 403309.8, 3817688.5,    1091.5,    1607.3,       0.0);         ( 403301.0,
3817731.9,    1089.0,    1607.3,       0.0);
     ( 403292.3, 3817775.4,    1089.4,    1607.3,       0.0);         ( 403283.6,
3817818.8,    1095.0,    1607.3,       0.0);
     ( 403274.9, 3817862.2,    1094.1,    1607.3,       0.0);         ( 403266.1,
3817905.7,    1087.5,    1607.3,       0.0);
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     ( 402925.8, 3819599.9,     980.3,    1607.3,       0.0);         ( 402917.0,
3819643.3,     979.7,    1607.3,       0.0);
     ( 402908.3, 3819686.8,     978.8,    1607.3,       0.0);         ( 402899.6,
3819730.2,     981.7,    1607.3,       0.0);
     ( 402890.9, 3819773.6,     985.8,    1607.3,       0.0);         ( 402882.1,
3819817.1,     983.7,    1607.3,       0.0);
     ( 402873.4, 3819860.5,     982.4,    1607.3,       0.0);         ( 402864.7,
3819904.0,     980.0,    1607.3,       0.0);
     ( 402856.0, 3819947.4,     980.5,    1604.8,       0.0);         ( 402847.2,
3819990.9,     979.8,    1552.9,       0.0);
     ( 402838.5, 3820034.3,     977.5,    1552.9,       0.0);         ( 402829.8,
3820077.7,     975.7,    1552.9,       0.0);
     ( 402821.0, 3820121.2,     974.4,    1552.9,       0.0);         ( 402812.3,
3820164.6,     972.8,    1552.9,       0.0);
     ( 402803.6, 3820208.1,     971.2,    1552.9,       0.0);         ( 402794.8,
3820251.5,     969.7,    1552.9,       0.0);
     ( 402786.1, 3820294.9,     968.3,    1552.9,       0.0);         ( 402777.4,
3820338.4,     966.6,    1552.9,       0.0);
     ( 402768.7, 3820381.8,     965.2,    1552.9,       0.0);         ( 402759.9,
3820425.3,     964.1,    1552.9,       0.0);
     ( 402751.2, 3820468.7,     963.9,    1552.5,       0.0);         ( 402742.5,
3820512.1,     961.7,    1552.5,       0.0);
     ( 402733.8, 3820555.6,     960.3,    1541.6,       0.0);         ( 402725.0,
3820599.0,     959.9,    1541.6,       0.0);
     ( 402716.3, 3820642.5,     957.8,    1541.6,       0.0);         ( 402707.6,
3820685.9,     955.6,    1541.6,       0.0);
     ( 402698.8, 3820729.3,     953.8,    1541.6,       0.0);         ( 402690.1,
3820772.8,     952.3,    1541.6,       0.0);
     ( 402681.4, 3820816.2,     950.2,    1541.6,       0.0);         ( 402672.7,
3820859.7,     947.8,    1541.6,       0.0);
     ( 402663.9, 3820903.1,     945.4,    1541.6,       0.0);         ( 402655.2,
3820946.6,     942.7,    1541.6,       0.0);
     ( 402646.5, 3820990.0,     940.8,    1541.6,       0.0);         ( 402637.8,
3821033.4,     938.9,    1541.6,       0.0);
     ( 402629.0, 3821076.9,     937.2,    1541.6,       0.0);         ( 402620.3,
3821120.3,     935.2,    1541.6,       0.0);
     ( 402611.6, 3821163.8,     933.8,    1541.6,       0.0);         ( 400803.7,
3810803.2,    1330.1,    2170.7,       0.0);
     ( 400768.8, 3810775.9,    1341.1,    2170.7,       0.0);         ( 400733.9,
3810748.5,    1357.0,    2170.7,       0.0);
     ( 400699.0, 3810721.2,    1374.2,    2170.7,       0.0);         ( 401655.0,
3809786.5,    1546.3,    2170.7,       0.0);
     ( 401677.7, 3809824.4,    1519.5,    2170.7,       0.0);         ( 401700.3,
3809862.4,    1498.8,    2170.7,       0.0);
     ( 401723.0, 3809900.4,    1493.6,    2170.7,       0.0);         ( 401745.6,
3809938.3,    1474.8,    2170.7,       0.0);
     ( 401768.2, 3809976.3,    1464.2,    2170.7,       0.0);         ( 401790.9,
3810014.3,    1465.3,    2170.7,       0.0);
     ( 401813.5, 3810052.2,    1460.7,    2170.7,       0.0);         ( 401836.2,
3810090.2,    1452.7,    2170.7,       0.0);
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(401858.8, 3810128.2, 1469.0, 2170.7, 0.0); (401881.5, 3810166.1, 1463.8, 2170.7, 0.0);
(401904.1, 3810204.1, 1450.9, 2170.7, 0.0); (401926.8, 3810242.1, 1458.5, 2170.7, 0.0);
(401949.5, 3810280.0, 1465.5, 2170.7, 0.0); (401972.1, 3810318.0, 1462.9, 2170.7, 0.0);
(401994.8, 3810355.9, 1471.6, 2170.7, 0.0); (402017.4, 3810393.9, 1478.1, 2170.7, 0.0);
(402040.0, 3810431.9, 1474.8, 2170.7, 0.0); (402062.7, 3810469.8, 1459.1, 2170.7, 0.0);
(402085.3, 3810507.8, 1438.6, 2170.7, 0.0); (402108.0, 3810545.8, 1425.7, 2170.7, 0.0);
(402130.6, 3810583.7, 1420.5, 2170.7, 0.0); (402153.3, 3810621.7, 1406.4, 2170.7, 0.0);
(402175.9, 3810659.7, 1385.5, 2170.7, 0.0); (402198.6, 3810697.6, 1364.8, 2170.7, 0.0);
(402221.2, 3810735.6, 1372.5, 2170.7, 0.0); (402243.9, 3810773.6, 1369.6, 2170.7, 0.0);
(402266.5, 3810811.5, 1352.0, 2170.7, 0.0); (402289.2, 3810849.5, 1340.9, 2170.7, 0.0);

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

(402311.8, 3810887.4, 1356.4, 2170.7, 0.0); (402334.5, 3810925.4, 1372.0, 2170.7, 0.0);
(402357.1, 3810963.4, 1384.3, 2170.7, 0.0); (402379.8, 3811001.3, 1388.9, 2170.7, 0.0);
(402402.4, 3811039.3, 1409.6, 2170.7, 0.0); (402425.1, 3811077.3, 1398.2, 2170.7, 0.0);
(402447.7, 3811115.2, 1374.8, 2170.7, 0.0); (402470.4, 3811153.2, 1350.7, 2170.7, 0.0);
(402493.0, 3811191.2, 1326.9, 2170.7, 0.0); (402515.7, 3811229.1, 1301.4, 2170.7, 0.0);
(402538.3, 3811267.1, 1286.8, 2170.7, 0.0); (402561.0, 3811305.0, 1279.5, 2170.7, 0.0);
(402583.6, 3811343.0, 1270.3, 2170.7, 0.0); (402606.3, 3811381.0, 1259.9, 2170.7, 0.0);
(402628.9, 3811418.9, 1262.4, 2170.7, 0.0); (402651.6, 3811456.9, 1268.8, 2170.7, 0.0);
(402674.2, 3811494.9, 1281.9, 2170.7, 0.0); (402696.9, 3811532.8, 1295.2, 2170.7, 0.0);

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     ( 402719.5, 3811570.8,    1289.2,    2170.7,       0.0);         ( 402742.2,
3811608.8,    1285.4,    2170.7,       0.0);
     ( 402764.8, 3811646.7,    1270.3,    2170.7,       0.0);         ( 402787.5,
3811684.7,    1259.7,    2170.7,       0.0);
     ( 402810.1, 3811722.7,    1244.8,    2170.7,       0.0);         ( 402832.8,
3811760.6,    1242.2,    2170.7,       0.0);
     ( 402855.4, 3811798.6,    1234.7,    2170.7,       0.0);         ( 402878.1,
3811836.5,    1233.1,    2170.7,       0.0);
     ( 402900.7, 3811874.5,    1240.2,    2170.7,       0.0);         ( 402923.4,
3811912.5,    1250.3,    2170.7,       0.0);
     ( 402946.0, 3811950.4,    1237.8,    2170.7,       0.0);         ( 402968.7,
3811988.4,    1235.0,    2170.7,       0.0);
     ( 402991.3, 3812026.4,    1225.6,    2170.7,       0.0);         ( 403014.0,
3812064.3,    1225.9,    2170.7,       0.0);
     ( 403036.6, 3812102.3,    1223.9,    2170.7,       0.0);         ( 403059.3,
3812140.3,    1236.7,    2170.7,       0.0);
     ( 403081.9, 3812178.2,    1245.3,    2170.7,       0.0);         ( 403104.6,
3812216.2,    1249.0,    2170.7,       0.0);
     ( 403127.2, 3812254.1,    1253.5,    2170.7,       0.0);         ( 403149.9,
3812292.1,    1249.7,    2170.7,       0.0);
     ( 403172.5, 3812330.1,    1234.3,    2170.7,       0.0);         ( 403195.2,
3812368.0,    1222.1,    2170.7,       0.0);
     ( 403217.8, 3812406.0,    1218.2,    2170.7,       0.0);         ( 403240.5,
3812444.0,    1213.0,    2170.7,       0.0);
     ( 403263.1, 3812481.9,    1212.4,    2170.7,       0.0);         ( 403285.8,
3812519.9,    1205.5,    2170.7,       0.0);
     ( 403308.4, 3812557.9,    1211.9,    2170.7,       0.0);         ( 403331.1,
3812595.8,    1217.3,    2170.7,       0.0);
     ( 403353.7, 3812633.8,    1226.6,    2170.7,       0.0);         ( 403376.3,
3812671.8,    1238.0,    2170.7,       0.0);
     ( 403399.0, 3812709.7,    1233.9,    2170.7,       0.0);         ( 403421.6,
3812747.7,    1239.8,    2170.7,       0.0);
     ( 403444.3, 3812785.6,    1245.7,    2170.7,       0.0);         ( 403467.0,
3812823.6,    1248.0,    2170.7,       0.0);
     ( 403489.6, 3812861.6,    1242.5,    2170.7,       0.0);         ( 403512.2,
3812899.5,    1248.7,    2170.7,       0.0);
     ( 403534.9, 3812937.5,    1269.5,    2170.7,       0.0);         ( 403557.5,
3812975.5,    1270.6,    2170.7,       0.0);
     ( 403580.2, 3813013.4,    1285.1,    2170.7,       0.0);         ( 403602.8,
3813051.4,    1286.4,    2170.7,       0.0);
     ( 403625.5, 3813089.4,    1276.0,    2170.7,       0.0);         ( 403648.1,
3813127.3,    1252.0,    2170.7,       0.0);
     ( 403670.8, 3813165.3,    1230.1,    2170.7,       0.0);         ( 403693.5,
3813203.3,    1208.2,    2170.7,       0.0);
     ( 403716.1, 3813241.2,    1202.0,    2170.7,       0.0);         ( 403738.7,
3813279.2,    1188.3,    2170.7,       0.0);
     ( 403761.4, 3813317.1,    1193.0,    2170.7,       0.0);         ( 403784.0,
3813355.1,    1201.3,    2170.7,       0.0);
     ( 403806.7, 3813393.1,    1217.9,    2170.7,       0.0);         ( 403829.3,
3813431.0,    1234.8,    2170.7,       0.0);
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(403852.0, 3813469.0, 1229.2, 2170.7, 0.0); (403874.6, 3813507.0, 1217.9, 2170.7, 0.0);
(403897.3, 3813544.9, 1213.8, 2170.7, 0.0); (403919.9, 3813582.9, 1230.2, 2170.7, 0.0);
(403942.6, 3813620.9, 1251.3, 2170.7, 0.0); (403965.2, 3813658.8, 1263.6, 2170.7, 0.0);
(403987.9, 3813696.8, 1271.2, 2170.7, 0.0); (404010.5, 3813734.8, 1269.1, 2170.7, 0.0);
(404033.2, 3813772.7, 1257.3, 2170.7, 0.0); (404055.8, 3813810.7, 1239.8, 2170.7, 0.0);
(404078.5, 3813848.6, 1230.4, 2170.7, 0.0); (404101.1, 3813886.6, 1249.4, 2170.7, 0.0);
(404123.8, 3813924.6, 1258.2, 2170.7, 0.0); (404146.4, 3813962.5, 1242.6, 2170.7, 0.0);
(404169.1, 3814000.5, 1227.2, 2170.7, 0.0); (404191.7, 3814038.5, 1224.7, 2170.7, 0.0);
(404214.4, 3814076.4, 1221.3, 2170.7, 0.0); (404237.0, 3814114.4, 1236.4, 2170.7, 0.0);
(404259.7, 3814152.4, 1260.7, 1607.3, 0.0); (404282.3, 3814190.3, 1281.1, 1607.3, 0.0);
(404305.0, 3814228.3, 1294.3, 1607.3, 0.0); (404327.6, 3814266.2, 1299.4, 1607.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(404350.3, 3814304.2, 1289.8, 1607.3, 0.0); (404372.9, 3814342.2, 1283.6, 1607.3, 0.0);
(404395.6, 3814380.1, 1287.2, 1607.3, 0.0); (404418.2, 3814418.1, 1278.8, 1607.3, 0.0);
(404440.9, 3814456.1, 1262.8, 1607.3, 0.0); (404463.5, 3814494.0, 1243.7, 1607.3, 0.0);
(404486.2, 3814532.0, 1218.4, 1607.3, 0.0); (404508.8, 3814570.0, 1207.8, 2170.7, 0.0);
(404531.5, 3814607.9, 1211.6, 1607.3, 0.0); (404554.1, 3814645.9, 1209.2, 1607.3, 0.0);
(404576.8, 3814683.8, 1239.4, 1607.3, 0.0); (404599.4, 3814721.8, 1239.9, 1607.3, 0.0);
(404622.1, 3814759.8, 1228.2, 1607.3, 0.0); (404644.7, 3814797.8, 1241.0, 1607.3, 0.0);
(404667.4, 3814835.7, 1251.0, 1607.3, 0.0); (404690.0, 3814873.7, 1241.8, 1607.3, 0.0);

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     ( 404712.7, 3814911.6,    1227.3,    1607.3,       0.0);         ( 404735.3,
3814949.6,    1222.2,    1607.3,       0.0);
     ( 404758.0, 3814987.6,    1226.9,    1607.3,       0.0);         ( 404780.6,
3815025.5,    1222.8,    1607.3,       0.0);
     ( 404803.3, 3815063.5,    1223.6,    1607.3,       0.0);         ( 404825.9,
3815101.5,    1226.4,    1607.3,       0.0);
     ( 404848.6, 3815139.4,    1228.8,    1607.3,       0.0);         ( 404871.2,
3815177.4,    1214.6,    1607.3,       0.0);
     ( 404893.9, 3815215.3,    1192.8,    1607.3,       0.0);         ( 404916.5,
3815253.3,    1170.2,    1607.3,       0.0);
     ( 404939.2, 3815291.3,    1172.4,    1607.3,       0.0);         ( 404961.8,
3815329.2,    1182.4,    1607.3,       0.0);
     ( 404984.5, 3815367.2,    1196.9,    1607.3,       0.0);         ( 405007.1,
3815405.2,    1200.4,    1607.3,       0.0);
     ( 405025.4, 3815464.8,    1193.2,    1607.3,       0.0);         ( 405016.7,
3815508.1,    1191.9,    1607.3,       0.0);
     ( 405008.0, 3815551.5,    1194.8,    1607.3,       0.0);         ( 404999.3,
3815594.8,    1187.7,    1607.3,       0.0);
     ( 404990.6, 3815638.2,    1189.9,    1607.3,       0.0);         ( 404981.9,
3815681.5,    1198.0,    1607.3,       0.0);
     ( 404973.2, 3815724.8,    1213.9,    1607.3,       0.0);         ( 404964.5,
3815768.2,    1205.9,    1607.3,       0.0);
     ( 404955.7, 3815811.5,    1201.2,    1607.3,       0.0);         ( 404947.0,
3815854.9,    1194.0,    1607.3,       0.0);
     ( 404938.3, 3815898.2,    1179.4,    1607.3,       0.0);         ( 404929.6,
3815941.6,    1180.7,    1607.3,       0.0);
     ( 404920.9, 3815984.9,    1166.5,    1607.3,       0.0);         ( 404912.2,
3816028.2,    1160.0,    1607.3,       0.0);
     ( 404903.5, 3816071.6,    1153.0,    1607.3,       0.0);         ( 404894.8,
3816114.9,    1152.3,    1607.3,       0.0);
     ( 404886.1, 3816158.3,    1132.0,    1607.3,       0.0);         ( 404877.4,
3816201.6,    1124.4,    1607.3,       0.0);
     ( 404868.7, 3816244.9,    1144.8,    1607.3,       0.0);         ( 404860.0,
3816288.3,    1156.7,    1607.3,       0.0);
     ( 404851.2, 3816331.6,    1170.5,    1607.3,       0.0);         ( 404842.5,
3816375.0,    1168.5,    1607.3,       0.0);
     ( 404833.8, 3816418.3,    1169.8,    1607.3,       0.0);         ( 404825.1,
3816461.6,    1192.2,    1607.3,       0.0);
     ( 404816.4, 3816505.0,    1205.9,    1597.1,       0.0);         ( 404807.7,
3816548.3,    1205.5,    1597.1,       0.0);
     ( 404799.0, 3816591.7,    1185.3,    1607.3,       0.0);         ( 404790.3,
3816635.0,    1167.5,    1607.3,       0.0);
     ( 404781.6, 3816678.4,    1178.3,    1607.3,       0.0);         ( 404772.9,
3816721.7,    1192.6,    1604.8,       0.0);
     ( 404764.2, 3816765.0,    1195.5,    1596.5,       0.0);         ( 404755.5,
3816808.4,    1200.4,    1552.9,       0.0);
     ( 404746.8, 3816851.7,    1195.0,    1552.9,       0.0);         ( 404738.1,
3816895.1,    1181.6,    1606.2,       0.0);
     ( 404729.3, 3816938.4,    1178.3,    1607.0,       0.0);         ( 404720.6,
3816981.7,    1180.6,    1597.1,       0.0);
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(404711.9, 3817025.1, 1177.5, 1597.1, 0.0); (404703.2,
3817068.4, 1166.2, 1607.0, 0.0);
(404694.5, 3817111.8, 1144.3, 1607.3, 0.0); (404685.8,
3817155.1, 1121.8, 1607.3, 0.0);
(404677.1, 3817198.4, 1102.9, 1607.3, 0.0); (404668.4,
3817241.8, 1094.6, 1607.3, 0.0);
(404659.7, 3817285.1, 1085.9, 1607.3, 0.0); (404651.0,
3817328.5, 1084.3, 1607.3, 0.0);
(404642.3, 3817371.8, 1084.0, 1607.3, 0.0); (404633.6,
3817415.1, 1092.5, 1607.3, 0.0);
(404624.9, 3817458.5, 1091.1, 1607.3, 0.0); (404616.1,
3817501.8, 1083.1, 1607.3, 0.0);
(404607.5, 3817545.2, 1068.3, 1607.3, 0.0); (404598.7,
3817588.5, 1069.8, 1607.3, 0.0);
(404590.0, 3817631.9, 1068.5, 1607.3, 0.0); (404581.3,
3817675.2, 1065.5, 1607.3, 0.0);
(404572.6, 3817718.5, 1063.0, 1607.3, 0.0); (404563.9,
3817761.9, 1055.9, 1607.3, 0.0);
(404555.2, 3817805.2, 1041.0, 1607.3, 0.0); (404546.5,
3817848.6, 1028.0, 1607.3, 0.0);
(404537.8, 3817891.9, 1012.6, 1607.3, 0.0); (404529.1,
3817935.2, 1006.2, 1607.3, 0.0);
(404520.4, 3817978.6, 1018.6, 1607.3, 0.0); (404511.7,
3818021.9, 1033.1, 1607.3, 0.0);

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

(404503.0, 3818065.3, 1028.1, 1607.3, 0.0); (404494.2,
3818108.6, 1010.2, 1607.3, 0.0);
(404485.5, 3818151.9, 998.3, 1607.3, 0.0); (404476.8,
3818195.3, 997.2, 1607.3, 0.0);
(404468.1, 3818238.6, 1006.8, 1607.3, 0.0); (404459.4,
3818282.0, 1003.3, 1607.3, 0.0);
(404450.7, 3818325.3, 997.8, 1607.3, 0.0); (404442.0,
3818368.6, 987.5, 1607.3, 0.0);
(404433.3, 3818412.0, 986.2, 1607.3, 0.0); (404424.6,
3818455.3, 986.9, 1607.3, 0.0);
(404415.9, 3818498.7, 993.8, 1607.3, 0.0); (404407.2,
3818542.0, 1008.3, 1607.3, 0.0);
(404398.5, 3818585.4, 1006.2, 1607.3, 0.0); (404389.8,
3818628.7, 1001.9, 1607.3, 0.0);

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     ( 404381.0, 3818672.0,    1000.4,    1607.3,       0.0);         ( 404372.3,
3818715.4,    1002.7,    1607.3,       0.0);
     ( 404363.6, 3818758.7,    1008.5,    1607.3,       0.0);         ( 404354.9,
3818802.1,    1001.9,    1607.3,       0.0);
     ( 404346.2, 3818845.4,     998.8,    1607.3,       0.0);         ( 404337.5,
3818888.8,     999.2,    1607.3,       0.0);
     ( 404328.8, 3818932.1,    1004.4,    1607.3,       0.0);         ( 404320.1,
3818975.4,    1001.1,    1607.3,       0.0);
     ( 404311.4, 3819018.8,     990.6,    1607.3,       0.0);         ( 404302.7,
3819062.1,     984.2,    1607.3,       0.0);
     ( 404294.0, 3819105.4,     981.8,    1607.3,       0.0);         ( 404285.3,
3819148.8,     978.6,    1607.3,       0.0);
     ( 404276.6, 3819192.1,     976.3,    1607.3,       0.0);         ( 404267.9,
3819235.5,     974.2,    1607.3,       0.0);
     ( 404259.1, 3819278.8,     972.8,    1607.3,       0.0);         ( 404250.4,
3819322.2,     971.2,    1607.3,       0.0);
     ( 404241.7, 3819365.5,     969.3,    1607.3,       0.0);         ( 404233.0,
3819408.8,     967.2,    1607.3,       0.0);
     ( 404224.3, 3819452.2,     965.0,    1607.3,       0.0);         ( 404215.6,
3819495.5,     962.6,    1607.3,       0.0);
     ( 404206.9, 3819538.9,     960.0,    1607.3,       0.0);         ( 404198.2,
3819582.2,     964.5,    1607.3,       0.0);
     ( 404189.5, 3819625.5,     965.8,    1607.3,       0.0);         ( 404180.8,
3819668.9,     965.6,    1607.3,       0.0);
     ( 404172.1, 3819712.2,     960.5,    1607.3,       0.0);         ( 404163.4,
3819755.6,     949.1,    1607.3,       0.0);
     ( 404154.7, 3819798.9,     947.5,    1607.3,       0.0);         ( 404146.0,
3819842.2,     945.8,    1607.3,       0.0);
     ( 404137.2, 3819885.6,     944.4,    1607.3,       0.0);         ( 404128.5,
3819928.9,     944.3,    1607.3,       0.0);
     ( 404119.8, 3819972.3,     941.4,    1607.0,       0.0);         ( 404111.1,
3820015.6,     939.9,    1607.0,       0.0);
     ( 404102.4, 3820058.9,     938.3,    1604.8,       0.0);         ( 404093.7,
3820102.3,     937.5,    1552.9,       0.0);
     ( 404085.0, 3820145.6,     938.1,    1552.9,       0.0);         ( 404076.3,
3820189.0,     938.1,    1552.9,       0.0);
     ( 404067.6, 3820232.3,     937.0,    1552.9,       0.0);         ( 404058.9,
3820275.7,     935.7,    1552.9,       0.0);
     ( 404050.2, 3820319.0,     933.5,    1552.9,       0.0);         ( 404041.5,
3820362.3,     933.5,    1552.9,       0.0);
     ( 404032.8, 3820405.7,     933.5,    1552.9,       0.0);         ( 404024.0,
3820449.0,     933.6,    1552.9,       0.0);
     ( 404015.3, 3820492.4,     934.0,    1552.9,       0.0);         ( 404006.6,
3820535.7,     933.5,    1552.9,       0.0);
     ( 403997.9, 3820579.0,     933.3,    1552.9,       0.0);         ( 403989.2,
3820622.4,     933.1,    1552.9,       0.0);
     ( 403980.5, 3820665.7,     932.9,    1552.9,       0.0);         ( 403971.8,
3820709.1,     934.9,    1541.6,       0.0);
     ( 403963.1, 3820752.4,     936.0,    1541.6,       0.0);         ( 403954.4,
3820795.8,     934.3,    1541.6,       0.0);
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(403945.7, 3820839.1, 924.1, 1541.6, 0.0); (403937.0,
3820882.4, 922.6, 1541.6, 0.0);
(403928.3, 3820925.8, 919.8, 1541.6, 0.0); (403919.6,
3820969.1, 920.7, 1541.6, 0.0);
(403910.8, 3821012.5, 926.5, 1541.6, 0.0); (403902.1,
3821055.8, 933.2, 1541.6, 0.0);
(403893.4, 3821099.1, 925.4, 1541.6, 0.0); (403884.7,
3821142.5, 916.7, 1541.6, 0.0);
(403876.0, 3821185.8, 920.9, 1541.6, 0.0); (403867.3,
3821229.2, 911.1, 1541.6, 0.0);
(403858.6, 3821272.5, 907.4, 1541.6, 0.0); (403849.9,
3821315.8, 903.9, 1541.6, 0.0);
(403841.2, 3821359.2, 900.8, 1541.6, 0.0); (403832.5,
3821402.5, 898.3, 1541.6, 0.0);
(403823.8, 3821445.9, 898.5, 1541.6, 0.0); (403815.1,
3821489.2, 899.4, 1541.6, 0.0);
(403806.4, 3821532.5, 897.9, 1541.6, 0.0); (403797.7,
3821575.9, 894.5, 1541.6, 0.0);
(403789.0, 3821619.2, 892.0, 1541.6, 0.0); (403780.2,
3821662.6, 888.1, 1541.6, 0.0);
(403771.5, 3821705.9, 886.6, 1541.6, 0.0); (403762.8,
3821749.2, 885.4, 1541.6, 0.0);
(403754.1, 3821792.6, 883.3, 1541.6, 0.0); (403745.4,
3821835.9, 882.0, 1541.6, 0.0);
(403736.7, 3821879.3, 880.3, 1541.6, 0.0); (401626.2,
3809753.8, 1559.0, 2170.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(401591.3, 3809726.5, 1566.6, 2170.7, 0.0); (401556.4,
3809699.1, 1572.7, 2170.7, 0.0);
(401521.5, 3809671.8, 1594.7, 2084.7, 0.0); (402477.5,
3808737.1, 1651.9, 2170.7, 0.0);
(402500.2, 3808775.1, 1658.6, 2170.7, 0.0); (402522.9,
3808813.1, 1677.3, 2170.7, 0.0);
(402545.6, 3808851.1, 1683.9, 2170.7, 0.0); (402568.2,
3808889.2, 1674.4, 2170.7, 0.0);
(402590.9, 3808927.2, 1668.3, 2170.7, 0.0); (402613.6,
3808965.2, 1663.1, 2170.7, 0.0);
(402636.3, 3809003.2, 1650.0, 2170.7, 0.0); (402659.0,
3809041.2, 1632.3, 2170.7, 0.0);

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    ( 402681.6, 3809079.2,    1631.9,    2170.7,       0.0);         ( 402704.3,
3809117.2,    1626.5,    2170.7,       0.0);
    ( 402727.0, 3809155.2,    1597.7,    2170.7,       0.0);         ( 402749.7,
3809193.2,    1568.0,    2170.7,       0.0);
    ( 402772.3, 3809231.2,    1537.2,    2170.7,       0.0);         ( 402795.0,
3809269.3,    1515.7,    2170.7,       0.0);
    ( 402817.7, 3809307.3,    1525.8,    2170.7,       0.0);         ( 402840.4,
3809345.3,    1531.7,    2170.7,       0.0);
    ( 402863.0, 3809383.3,    1511.1,    2170.7,       0.0);         ( 402885.7,
3809421.3,    1495.9,    2170.7,       0.0);
    ( 402908.4, 3809459.3,    1517.2,    2170.7,       0.0);         ( 402931.1,
3809497.3,    1529.6,    2170.7,       0.0);
    ( 402953.8, 3809535.3,    1535.5,    2170.7,       0.0);         ( 402976.4,
3809573.3,    1548.1,    2170.7,       0.0);
    ( 402999.1, 3809611.3,    1545.3,    2170.7,       0.0);         ( 403021.8,
3809649.3,    1526.6,    2170.7,       0.0);
    ( 403044.5, 3809687.4,    1505.1,    2170.7,       0.0);         ( 403067.1,
3809725.4,    1485.6,    2170.7,       0.0);
    ( 403089.8, 3809763.4,    1470.6,    2170.7,       0.0);         ( 403112.5,
3809801.4,    1465.9,    2170.7,       0.0);
    ( 403135.2, 3809839.4,    1455.4,    2170.7,       0.0);         ( 403157.8,
3809877.4,    1442.0,    2170.7,       0.0);
    ( 403180.5, 3809915.4,    1424.7,    2170.7,       0.0);         ( 403203.2,
3809953.4,    1406.5,    2170.7,       0.0);
    ( 403225.9, 3809991.4,    1379.9,    2170.7,       0.0);         ( 403248.5,
3810029.4,    1350.6,    2170.7,       0.0);
    ( 403271.2, 3810067.5,    1324.8,    2170.7,       0.0);         ( 403293.9,
3810105.5,    1305.6,    2170.7,       0.0);
    ( 403316.6, 3810143.5,    1296.3,    2170.7,       0.0);         ( 403339.3,
3810181.5,    1288.2,    2170.7,       0.0);
    ( 403361.9, 3810219.5,    1281.5,    2170.7,       0.0);         ( 403384.6,
3810257.5,    1274.9,    2170.7,       0.0);
    ( 403407.3, 3810295.5,    1266.9,    2170.7,       0.0);         ( 403430.0,
3810333.5,    1262.0,    2170.7,       0.0);
    ( 403452.6, 3810371.5,    1262.4,    2170.7,       0.0);         ( 403475.3,
3810409.5,    1262.8,    2170.7,       0.0);
    ( 403498.0, 3810447.6,    1266.7,    2170.7,       0.0);         ( 403520.7,
3810485.6,    1282.1,    2170.7,       0.0);
    ( 403543.3, 3810523.6,    1304.0,    2170.7,       0.0);         ( 403566.0,
3810561.6,    1318.5,    2170.7,       0.0);
    ( 403588.7, 3810599.6,    1300.4,    2170.7,       0.0);         ( 403611.4,
3810637.6,    1292.3,    2170.7,       0.0);
    ( 403634.0, 3810675.6,    1289.7,    2170.7,       0.0);         ( 403656.7,
3810713.6,    1293.2,    2170.7,       0.0);
    ( 403679.4, 3810751.6,    1306.3,    2170.7,       0.0);         ( 403702.1,
3810789.6,    1315.1,    2170.7,       0.0);
    ( 403724.8, 3810827.7,    1334.1,    2170.7,       0.0);         ( 403747.4,
3810865.7,    1353.3,    2170.7,       0.0);
    ( 403770.1, 3810903.7,    1356.5,    2170.7,       0.0);         ( 403792.8,
3810941.7,    1338.6,    2170.7,       0.0);
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(403815.5, 3810979.7, 1321.8, 2170.7, 0.0); (403838.1,
3811017.7, 1328.6, 2170.7, 0.0);
(403860.8, 3811055.7, 1342.2, 2170.7, 0.0); (403883.5,
3811093.7, 1351.1, 2170.7, 0.0);
(403906.2, 3811131.7, 1337.6, 2170.7, 0.0); (403928.8,
3811169.8, 1319.0, 2170.7, 0.0);
(403951.5, 3811207.8, 1308.0, 2170.7, 0.0); (403974.2,
3811245.8, 1309.9, 2170.7, 0.0);
(403996.9, 3811283.8, 1302.0, 2170.7, 0.0); (404019.6,
3811321.8, 1296.1, 2170.7, 0.0);
(404042.2, 3811359.8, 1301.6, 2170.7, 0.0); (404064.9,
3811397.8, 1313.4, 2170.7, 0.0);
(404087.6, 3811435.8, 1327.7, 2170.7, 0.0); (404110.3,
3811473.8, 1331.2, 2170.7, 0.0);
(404132.9, 3811511.8, 1329.0, 2170.7, 0.0); (404155.6,
3811549.8, 1334.9, 2170.7, 0.0);
(404178.3, 3811587.8, 1344.5, 2170.7, 0.0); (404201.0,
3811625.9, 1359.4, 2170.7, 0.0);
(404223.6, 3811663.9, 1381.2, 2170.7, 0.0); (404246.3,
3811701.9, 1384.0, 2170.7, 0.0);
(404269.0, 3811739.9, 1396.6, 2170.7, 0.0); (404291.7,
3811777.9, 1402.5, 2170.7, 0.0);
(404314.3, 3811815.9, 1377.7, 2170.7, 0.0); (404337.0,
3811853.9, 1345.9, 2170.7, 0.0);
(404359.7, 3811891.9, 1319.0, 2170.7, 0.0); (404382.4,
3811929.9, 1305.9, 2170.7, 0.0);
(404405.1, 3811967.9, 1288.7, 2170.7, 0.0); (404427.7,
3812006.0, 1271.1, 2170.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(404450.4, 3812044.0, 1254.2, 2170.7, 0.0); (404473.1,
3812082.0, 1244.7, 2170.7, 0.0);
(404495.8, 3812120.0, 1235.5, 2170.7, 0.0); (404518.4,
3812158.0, 1220.8, 2170.7, 0.0);
(404541.1, 3812196.0, 1219.2, 2170.7, 0.0); (404563.8,
3812234.0, 1211.1, 2170.7, 0.0);
(404586.5, 3812272.0, 1216.0, 2170.7, 0.0); (404609.1,
3812310.0, 1208.6, 2170.7, 0.0);
(404631.8, 3812348.0, 1195.8, 2170.7, 0.0); (404654.5,
3812386.1, 1207.0, 2170.7, 0.0);

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    ( 404677.2, 3812424.1,    1211.5,    2170.7,       0.0);         ( 404699.8,
3812462.1,    1196.9,    2170.7,       0.0);
    ( 404722.5, 3812500.1,    1181.1,    2170.7,       0.0);         ( 404745.2,
3812538.1,    1160.7,    2170.7,       0.0);
    ( 404767.9, 3812576.1,    1156.5,    2170.7,       0.0);         ( 404790.6,
3812614.1,    1174.0,    2170.7,       0.0);
    ( 404813.2, 3812652.1,    1185.7,    2170.7,       0.0);         ( 404835.9,
3812690.1,    1181.0,    2170.7,       0.0);
    ( 404858.6, 3812728.1,    1191.2,    2170.7,       0.0);         ( 404881.3,
3812766.2,    1179.6,    2170.7,       0.0);
    ( 404903.9, 3812804.2,    1160.1,    2170.7,       0.0);         ( 404926.6,
3812842.2,    1153.2,    2170.7,       0.0);
    ( 404949.3, 3812880.2,    1164.7,    2170.7,       0.0);         ( 404972.0,
3812918.2,    1170.5,    2170.7,       0.0);
    ( 404994.6, 3812956.2,    1173.5,    2170.7,       0.0);         ( 405017.3,
3812994.2,    1176.5,    2170.7,       0.0);
    ( 405040.0, 3813032.2,    1161.0,    2170.7,       0.0);         ( 405062.7,
3813070.2,    1144.6,    2170.7,       0.0);
    ( 405085.4, 3813108.2,    1131.9,    2170.7,       0.0);         ( 405108.0,
3813146.3,    1125.0,    2170.7,       0.0);
    ( 405130.7, 3813184.3,    1120.5,    2170.7,       0.0);         ( 405153.4,
3813222.3,    1111.2,    2170.7,       0.0);
    ( 405176.1, 3813260.3,    1102.5,    2170.7,       0.0);         ( 405198.7,
3813298.3,    1096.0,    2170.7,       0.0);
    ( 405221.4, 3813336.3,    1090.9,    2170.7,       0.0);         ( 405244.1,
3813374.3,    1084.5,    2170.7,       0.0);
    ( 405266.8, 3813412.3,    1077.8,    2432.6,       0.0);         ( 405289.5,
3813450.3,    1084.6,    2170.7,       0.0);
    ( 405312.1, 3813488.3,    1093.5,    2170.7,       0.0);         ( 405334.8,
3813526.3,    1086.4,    2170.7,       0.0);
    ( 405357.5, 3813564.4,    1086.4,    2170.7,       0.0);         ( 405380.1,
3813602.4,    1081.5,    2170.7,       0.0);
    ( 405402.8, 3813640.4,    1073.7,    2432.6,       0.0);         ( 405425.5,
3813678.4,    1063.8,    2432.6,       0.0);
    ( 405448.2, 3813716.4,    1057.4,    2432.6,       0.0);         ( 405470.9,
3813754.4,    1046.0,    2432.6,       0.0);
    ( 405493.5, 3813792.4,    1044.8,    2432.6,       0.0);         ( 405516.2,
3813830.4,    1046.4,    2432.6,       0.0);
    ( 405538.9, 3813868.4,    1037.9,    2432.6,       0.0);         ( 405561.6,
3813906.4,    1045.3,    2432.6,       0.0);
    ( 405584.2, 3813944.5,    1047.9,    2432.6,       0.0);         ( 405606.9,
3813982.5,    1060.6,    2432.6,       0.0);
    ( 405629.6, 3814020.5,    1043.4,    2432.6,       0.0);         ( 405652.3,
3814058.5,    1058.9,    2432.6,       0.0);
    ( 405675.0, 3814096.5,    1086.0,    2170.7,       0.0);         ( 405697.6,
3814134.5,    1096.5,    2170.7,       0.0);
    ( 405720.3, 3814172.5,    1078.3,    2170.7,       0.0);         ( 405743.0,
3814210.5,    1080.9,    2170.7,       0.0);
    ( 405765.6, 3814248.5,    1087.9,    2170.7,       0.0);         ( 405788.3,
3814286.5,    1077.7,    2170.7,       0.0);
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     ( 405811.0, 3814324.6,    1081.8,    2170.7,       0.0);         ( 405833.7,
3814362.6,    1093.7,    2170.7,       0.0);
     ( 405856.4, 3814400.6,    1104.7,    2170.7,       0.0);         ( 405879.0,
3814438.6,    1096.3,    2170.7,       0.0);
     ( 405901.7, 3814476.6,    1098.1,    2170.7,       0.0);         ( 405924.4,
3814514.6,    1115.0,    2170.7,       0.0);
     ( 405947.1, 3814552.6,    1116.1,    2170.7,       0.0);         ( 405969.7,
3814590.6,    1099.8,    2170.7,       0.0);
     ( 405992.4, 3814628.6,    1079.8,    2170.7,       0.0);         ( 406015.1,
3814666.6,    1060.6,    2432.6,       0.0);
     ( 406037.8, 3814704.7,    1037.3,    2432.6,       0.0);         ( 406060.5,
3814742.7,    1022.6,    2432.6,       0.0);
     ( 406083.1, 3814780.7,    1016.4,    2432.6,       0.0);         ( 406105.8,
3814818.7,    1009.0,    2432.6,       0.0);
     ( 406128.5, 3814856.7,     998.7,    2432.6,       0.0);         ( 406151.2,
3814894.7,     996.4,    2432.6,       0.0);
     ( 406173.8, 3814932.7,     996.1,    2432.6,       0.0);         ( 406196.5,
3814970.7,     995.6,    2432.6,       0.0);
     ( 406219.2, 3815008.7,    1004.8,    2432.6,       0.0);         ( 406241.9,
3815046.8,    1025.7,    2432.6,       0.0);
     ( 406264.5, 3815084.8,    1040.7,    2432.6,       0.0);         ( 406287.2,
3815122.8,    1042.7,    2432.6,       0.0);
     ( 406309.9, 3815160.8,    1056.1,    2170.7,       0.0);         ( 406332.6,
3815198.8,    1034.4,    2432.6,       0.0);
     ( 406339.5, 3815239.5,    1033.7,    2432.6,       0.0);         ( 406330.8,
3815282.9,    1041.3,    2432.6,       0.0);
     ( 406322.1, 3815326.3,    1057.9,    2170.7,       0.0);         ( 406313.4,
3815369.7,    1068.6,    2170.7,       0.0);
     ( 406304.7, 3815413.1,    1042.6,    2170.7,       0.0);         ( 406296.0,
3815456.4,    1009.6,    2432.6,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                        ***        09:14:47

                                    PAGE 163
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

     ( 406287.2, 3815499.8,    1001.5,    2432.6,       0.0);         ( 406278.5,
3815543.2,    1004.3,    2432.6,       0.0);
     ( 406269.8, 3815586.6,     994.9,    2432.6,       0.0);         ( 406261.1,
3815630.0,     992.1,    2432.6,       0.0);
     ( 406252.4, 3815673.4,     989.5,    2432.6,       0.0);         ( 406243.6,
3815716.8,     990.5,    2432.6,       0.0);
     ( 406234.9, 3815760.2,     996.2,    2432.6,       0.0);         ( 406226.2,
3815803.6,    1001.7,    2430.5,       0.0);
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     ( 406217.5, 3815847.0,    1014.1,    2170.7,       0.0);         ( 406208.8,
3815890.4,    1006.9,    2170.7,       0.0);
     ( 406200.1, 3815933.8,    1002.4,    2170.7,       0.0);         ( 406191.3,
3815977.2,     994.4,    2170.7,       0.0);
     ( 406182.6, 3816020.6,     988.2,    2170.7,       0.0);         ( 406173.9,
3816064.0,     987.0,    2170.7,       0.0);
     ( 406165.2, 3816107.3,     984.2,    2170.7,       0.0);         ( 406156.5,
3816150.7,     983.8,    2170.7,       0.0);
     ( 406147.8, 3816194.1,     983.0,    2170.7,       0.0);         ( 406139.0,
3816237.5,     981.8,    2170.7,       0.0);
     ( 406130.3, 3816280.9,     982.7,    2170.7,       0.0);         ( 406121.6,
3816324.3,     981.8,    2170.7,       0.0);
     ( 406112.9, 3816367.7,     981.8,    2170.7,       0.0);         ( 406104.2,
3816411.1,     981.8,    2170.7,       0.0);
     ( 406095.5, 3816454.5,     981.8,    2170.7,       0.0);         ( 406086.7,
3816497.9,     981.9,    2170.7,       0.0);
     ( 406078.0, 3816541.3,     969.1,    2170.7,       0.0);         ( 406069.3,
3816584.7,     968.0,    2170.7,       0.0);
     ( 406060.6, 3816628.1,     968.1,    2170.7,       0.0);         ( 406051.9,
3816671.5,     966.4,    2170.7,       0.0);
     ( 406043.1, 3816714.9,     964.9,    2170.7,       0.0);         ( 406034.4,
3816758.2,     957.3,    2170.7,       0.0);
     ( 406025.7, 3816801.6,     956.1,    2170.7,       0.0);         ( 406017.0,
3816845.0,     962.2,    2170.7,       0.0);
     ( 406008.3, 3816888.4,     966.0,    2170.7,       0.0);         ( 405999.5,
3816931.8,     969.0,    2170.7,       0.0);
     ( 405990.8, 3816975.2,     965.9,    2165.8,       0.0);         ( 405982.1,
3817018.6,     963.7,    2162.0,       0.0);
     ( 405973.4, 3817062.0,     963.2,    1607.3,       0.0);         ( 405964.7,
3817105.4,     966.5,    1607.3,       0.0);
     ( 405956.0, 3817148.8,     965.9,    1607.3,       0.0);         ( 405947.2,
3817192.2,     961.2,    1607.3,       0.0);
     ( 405938.5, 3817235.6,     956.6,    1607.3,       0.0);         ( 405929.8,
3817279.0,     945.1,    1607.3,       0.0);
     ( 405921.1, 3817322.4,     944.0,    1607.3,       0.0);         ( 405912.4,
3817365.8,     942.7,    1607.3,       0.0);
     ( 405903.6, 3817409.1,     955.4,    1607.3,       0.0);         ( 405894.9,
3817452.5,     963.3,    1607.3,       0.0);
     ( 405886.2, 3817495.9,     957.4,    1607.3,       0.0);         ( 405877.5,
3817539.3,     959.3,    1607.3,       0.0);
     ( 405868.8, 3817582.7,     952.0,    1607.3,       0.0);         ( 405860.1,
3817626.1,     943.7,    1607.3,       0.0);
     ( 405851.3, 3817669.5,     939.0,    1607.3,       0.0);         ( 405842.6,
3817712.9,     937.4,    1607.3,       0.0);
     ( 405833.9, 3817756.3,     935.6,    1607.3,       0.0);         ( 405825.2,
3817799.7,     936.1,    1607.3,       0.0);
     ( 405816.5, 3817843.1,     934.9,    1607.3,       0.0);         ( 405807.8,
3817886.5,     934.9,    1607.3,       0.0);
     ( 405799.0, 3817929.9,     942.1,    1607.3,       0.0);         ( 405790.3,
3817973.3,     965.6,    1607.3,       0.0);
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(405781.6, 3818016.6, 958.8, 1607.3, 0.0); (405772.9, 3818060.0, 956.6, 1607.3, 0.0);
(405764.2, 3818103.4, 952.8, 1607.3, 0.0); (405755.5, 3818146.8, 947.8, 1607.3, 0.0);
(405746.7, 3818190.2, 942.5, 1607.3, 0.0); (405738.0, 3818233.6, 943.9, 1607.3, 0.0);
(405729.3, 3818277.0, 944.6, 1607.3, 0.0); (405720.6, 3818320.4, 940.3, 1607.3, 0.0);
(405711.9, 3818363.8, 935.4, 1607.3, 0.0); (405703.1, 3818407.2, 932.7, 1607.3, 0.0);
(405694.4, 3818450.6, 931.7, 1607.3, 0.0); (405685.7, 3818494.0, 929.4, 1607.3, 0.0);
(405677.0, 3818537.4, 928.8, 1607.3, 0.0); (405668.3, 3818580.8, 927.4, 1607.3, 0.0);
(405659.5, 3818624.2, 924.5, 1607.3, 0.0); (405650.8, 3818667.5, 920.4, 1607.3, 0.0);
(405642.1, 3818710.9, 923.4, 1607.3, 0.0); (405633.4, 3818754.3, 924.6, 1607.3, 0.0);
(405624.7, 3818797.7, 926.1, 1607.3, 0.0); (405616.0, 3818841.1, 926.1, 1607.3, 0.0);
(405607.2, 3818884.5, 926.4, 1607.3, 0.0); (405598.5, 3818927.9, 926.6, 1607.3, 0.0);
(405589.8, 3818971.3, 926.7, 1607.3, 0.0); (405581.1, 3819014.7, 926.6, 1607.3, 0.0);
(405572.4, 3819058.1, 926.3, 1607.3, 0.0); (405563.7, 3819101.5, 925.9, 1607.3, 0.0);
(405554.9, 3819144.9, 925.9, 1607.3, 0.0); (405546.2, 3819188.3, 926.9, 1607.3, 0.0);
(405537.5, 3819231.7, 929.0, 1607.3, 0.0); (405528.8, 3819275.1, 928.9, 1607.3, 0.0);
(405520.1, 3819318.4, 927.8, 1607.3, 0.0); (405511.3, 3819361.8, 926.3, 1607.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(405502.6, 3819405.2, 926.0, 1607.3, 0.0); (405493.9, 3819448.6, 925.8, 1607.3, 0.0);
(405485.2, 3819492.0, 925.4, 1607.0, 0.0); (405476.5, 3819535.4, 924.9, 1607.0, 0.0);
(405467.8, 3819578.8, 924.0, 1597.1, 0.0); (405459.0, 3819622.2, 922.5, 1597.1, 0.0);

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     ( 405450.3, 3819665.6,     920.3,    1596.5,       0.0);         ( 405441.6,
3819709.0,     918.8,    1552.9,       0.0);
     ( 405432.9, 3819752.4,     917.2,    1552.9,       0.0);         ( 405424.2,
3819795.8,     915.6,    1552.9,       0.0);
     ( 405415.5, 3819839.2,     914.5,    1552.9,       0.0);         ( 405406.7,
3819882.6,     914.4,    1552.9,       0.0);
     ( 405398.0, 3819925.9,     907.6,    1552.9,       0.0);         ( 405389.3,
3819969.3,     902.7,    1552.9,       0.0);
     ( 405380.6, 3820012.7,     900.1,    1552.9,       0.0);         ( 405371.9,
3820056.1,     898.8,    1552.9,       0.0);
     ( 405363.1, 3820099.5,     898.4,    1552.9,       0.0);         ( 405354.4,
3820142.9,     901.8,    1552.9,       0.0);
     ( 405345.7, 3820186.3,     912.2,    1552.9,       0.0);         ( 405337.0,
3820229.7,     918.4,    1552.9,       0.0);
     ( 405328.3, 3820273.1,     911.5,    1552.9,       0.0);         ( 405319.6,
3820316.5,     920.9,    1552.9,       0.0);
     ( 405310.8, 3820359.9,     932.2,    1541.6,       0.0);         ( 405302.1,
3820403.3,     924.8,    1541.6,       0.0);
     ( 405293.4, 3820446.7,     906.7,    1552.9,       0.0);         ( 405284.7,
3820490.1,     901.3,    1552.9,       0.0);
     ( 405276.0, 3820533.5,     904.3,    1552.9,       0.0);         ( 405267.2,
3820576.8,     900.8,    1552.9,       0.0);
     ( 405258.5, 3820620.2,     898.6,    1552.9,       0.0);         ( 405249.8,
3820663.6,     897.2,    1552.9,       0.0);
     ( 405241.1, 3820707.0,     906.2,    1541.6,       0.0);         ( 405232.4,
3820750.4,     920.0,    1541.6,       0.0);
     ( 405223.7, 3820793.8,     917.6,    1541.6,       0.0);         ( 405214.9,
3820837.2,     917.0,    1541.6,       0.0);
     ( 405206.2, 3820880.6,     907.4,    1541.6,       0.0);         ( 405197.5,
3820924.0,     905.6,    1541.6,       0.0);
     ( 405188.8, 3820967.4,     902.8,    1541.6,       0.0);         ( 405180.1,
3821010.8,     893.5,    1541.6,       0.0);
     ( 405171.3, 3821054.2,     895.3,    1541.6,       0.0);         ( 405162.6,
3821097.6,     890.5,    1541.6,       0.0);
     ( 405153.9, 3821141.0,     890.0,    1541.6,       0.0);         ( 405145.2,
3821184.4,     892.8,    1541.6,       0.0);
     ( 405136.5, 3821227.8,     883.6,    1541.6,       0.0);         ( 405127.8,
3821271.1,     889.4,    1541.6,       0.0);
     ( 405119.0, 3821314.5,     890.6,    1541.6,       0.0);         ( 405110.3,
3821357.9,     888.4,    1541.6,       0.0);
     ( 405101.6, 3821401.3,     885.6,    1541.6,       0.0);         ( 405092.9,
3821444.7,     883.3,    1541.6,       0.0);
     ( 405084.2, 3821488.1,     881.2,    1541.6,       0.0);         ( 405075.5,
3821531.5,     879.8,    1541.6,       0.0);
     ( 405066.7, 3821574.9,     878.7,    1541.6,       0.0);         ( 405058.0,
3821618.3,     877.1,    1541.6,       0.0);
     ( 405049.3, 3821661.7,     875.7,    1541.6,       0.0);         ( 405040.6,
3821705.1,     875.8,    1541.6,       0.0);
     ( 405031.9, 3821748.5,     872.0,    1541.6,       0.0);         ( 405023.1,
3821791.9,     869.9,    1541.6,       0.0);
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(405014.4, 3821835.3, 868.6, 1541.6, 0.0); (405005.7,
3821878.6, 867.5, 1541.6, 0.0);
(404997.0, 3821922.0, 865.7, 1541.6, 0.0); (404988.3,
3821965.4, 863.7, 1541.6, 0.0);
(404979.6, 3822008.8, 861.7, 1541.6, 0.0); (404970.8,
3822052.2, 860.2, 1541.6, 0.0);
(404962.1, 3822095.6, 859.3, 1541.6, 0.0); (404953.4,
3822139.0, 858.2, 858.2, 0.0);
(404944.7, 3822182.4, 856.9, 856.9, 0.0); (404936.0,
3822225.8, 855.8, 855.8, 0.0);
(404927.2, 3822269.2, 854.5, 854.5, 0.0); (404918.5,
3822312.6, 853.5, 853.5, 0.0);
(404909.8, 3822356.0, 851.9, 851.9, 0.0); (404901.1,
3822399.4, 850.6, 850.6, 0.0);
(404892.4, 3822442.8, 849.6, 849.6, 0.0); (404883.7,
3822486.1, 848.3, 848.3, 0.0);
(404874.9, 3822529.5, 847.3, 847.3, 0.0); (404866.2,
3822572.9, 846.2, 846.2, 0.0);
(402448.8, 3808704.4, 1654.7, 2170.7, 0.0); (402413.9,
3808677.1, 1639.4, 2170.7, 0.0);
(402379.0, 3808649.7, 1631.3, 2170.7, 0.0); (402344.1,
3808622.4, 1622.3, 2170.7, 0.0);
(403300.1, 3807687.7, 1520.9, 2170.7, 0.0); (403322.8,
3807725.8, 1503.8, 2170.7, 0.0);
(403345.5, 3807763.8, 1489.1, 2170.7, 0.0); (403368.2,
3807801.9, 1483.1, 2170.7, 0.0);
(403390.9, 3807839.9, 1498.4, 2170.7, 0.0); (403413.6,
3807878.0, 1498.7, 2170.7, 0.0);
(403436.3, 3807916.0, 1500.0, 2170.7, 0.0); (403459.0,
3807954.1, 1509.1, 2170.7, 0.0);
(403481.7, 3807992.1, 1510.0, 2170.7, 0.0); (403504.4,
3808030.1, 1503.8, 2170.7, 0.0);
(403527.1, 3808068.2, 1483.7, 2170.7, 0.0); (403549.8,
3808106.2, 1495.5, 2170.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(403572.5, 3808144.3, 1504.1, 2170.7, 0.0); (403595.1,
3808182.3, 1493.7, 2170.7, 0.0);
(403617.8, 3808220.4, 1478.6, 2170.7, 0.0); (403640.5,
3808258.4, 1491.2, 2170.7, 0.0);

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    ( 403663.2, 3808296.5,    1510.3,    2170.7,       0.0);         ( 403686.0,
3808334.5,    1521.3,    2170.7,       0.0);
    ( 403708.6, 3808372.6,    1513.7,    2170.7,       0.0);         ( 403731.3,
3808410.6,    1498.0,    2170.7,       0.0);
    ( 403754.0, 3808448.6,    1480.1,    2170.7,       0.0);         ( 403776.7,
3808486.7,    1471.3,    2170.7,       0.0);
    ( 403799.4, 3808524.7,    1493.9,    2170.7,       0.0);         ( 403822.1,
3808562.8,    1496.8,    2170.7,       0.0);
    ( 403844.8, 3808600.8,    1480.6,    2170.7,       0.0);         ( 403867.5,
3808638.9,    1461.2,    2170.7,       0.0);
    ( 403890.2, 3808676.9,    1444.4,    2170.7,       0.0);         ( 403912.9,
3808715.0,    1427.1,    2170.7,       0.0);
    ( 403935.6, 3808753.0,    1416.6,    2170.7,       0.0);         ( 403958.3,
3808791.1,    1414.7,    2170.7,       0.0);
    ( 403981.0, 3808829.1,    1416.2,    2170.7,       0.0);         ( 404003.7,
3808867.1,    1422.5,    2170.7,       0.0);
    ( 404026.4, 3808905.2,    1431.3,    2170.7,       0.0);         ( 404049.1,
3808943.2,    1435.2,    2170.7,       0.0);
    ( 404071.8, 3808981.3,    1445.2,    2170.7,       0.0);         ( 404094.5,
3809019.3,    1452.2,    2170.7,       0.0);
    ( 404117.2, 3809057.4,    1450.4,    2170.7,       0.0);         ( 404139.9,
3809095.4,    1448.7,    2170.7,       0.0);
    ( 404162.6, 3809133.5,    1438.6,    2170.7,       0.0);         ( 404185.3,
3809171.5,    1419.6,    2170.7,       0.0);
    ( 404208.0, 3809209.6,    1395.7,    2170.7,       0.0);         ( 404230.7,
3809247.6,    1371.2,    2170.7,       0.0);
    ( 404253.4, 3809285.6,    1352.8,    2170.7,       0.0);         ( 404276.1,
3809323.7,    1341.8,    2170.7,       0.0);
    ( 404298.8, 3809361.7,    1335.5,    2170.7,       0.0);         ( 404321.5,
3809399.8,    1335.3,    2170.7,       0.0);
    ( 404344.2, 3809437.8,    1338.7,    2170.7,       0.0);         ( 404366.9,
3809475.9,    1367.0,    2170.7,       0.0);
    ( 404389.6, 3809513.9,    1399.6,    2170.7,       0.0);         ( 404412.3,
3809552.0,    1429.1,    2170.7,       0.0);
    ( 404435.0, 3809590.0,    1449.9,    2170.7,       0.0);         ( 404457.7,
3809628.0,    1464.6,    2170.7,       0.0);
    ( 404480.4, 3809666.1,    1471.1,    2170.7,       0.0);         ( 404503.1,
3809704.1,    1453.4,    2170.7,       0.0);
    ( 404525.8, 3809742.2,    1445.2,    2170.7,       0.0);         ( 404548.5,
3809780.2,    1441.7,    2170.7,       0.0);
    ( 404571.2, 3809818.3,    1436.2,    2170.7,       0.0);         ( 404593.9,
3809856.3,    1417.6,    2170.7,       0.0);
    ( 404616.6, 3809894.4,    1393.5,    2170.7,       0.0);         ( 404639.2,
3809932.4,    1376.1,    2170.7,       0.0);
    ( 404662.0, 3809970.5,    1371.2,    2170.7,       0.0);         ( 404684.6,
3810008.5,    1372.8,    2170.7,       0.0);
    ( 404707.3, 3810046.5,    1356.1,    2170.7,       0.0);         ( 404730.0,
3810084.6,    1350.8,    2170.7,       0.0);
    ( 404752.7, 3810122.6,    1337.1,    2170.7,       0.0);         ( 404775.4,
3810160.7,    1339.6,    2170.7,       0.0);
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(404798.1, 3810198.7, 1331.0, 2170.7, 0.0); (404820.8,
3810236.8, 1312.2, 2170.7, 0.0);
(404843.5, 3810274.8, 1309.2, 2170.7, 0.0); (404866.2,
3810312.9, 1314.2, 2170.7, 0.0);
(404888.9, 3810350.9, 1315.3, 2170.7, 0.0); (404911.6,
3810389.0, 1313.7, 2170.7, 0.0);
(404934.3, 3810427.0, 1305.0, 2170.7, 0.0); (404957.0,
3810465.0, 1332.3, 2170.7, 0.0);
(404979.7, 3810503.1, 1359.8, 2170.7, 0.0); (405002.4,
3810541.1, 1373.2, 2170.7, 0.0);
(405025.1, 3810579.2, 1361.2, 2170.7, 0.0); (405047.8,
3810617.2, 1341.2, 2170.7, 0.0);
(405070.5, 3810655.3, 1324.7, 2170.7, 0.0); (405093.2,
3810693.3, 1323.4, 2170.7, 0.0);
(405115.9, 3810731.4, 1316.5, 2170.7, 0.0); (405138.6,
3810769.4, 1291.1, 2170.7, 0.0);
(405161.3, 3810807.5, 1294.9, 2170.7, 0.0); (405184.0,
3810845.5, 1312.0, 2170.7, 0.0);
(405206.7, 3810883.5, 1314.8, 2170.7, 0.0); (405229.4,
3810921.6, 1306.8, 2170.7, 0.0);
(405252.1, 3810959.6, 1329.2, 2170.7, 0.0); (405274.8,
3810997.7, 1348.1, 2170.7, 0.0);
(405297.5, 3811035.7, 1367.1, 2170.7, 0.0); (405320.2,
3811073.8, 1375.4, 2170.7, 0.0);
(405342.9, 3811111.8, 1375.6, 2170.7, 0.0); (405365.6,
3811149.9, 1361.4, 2170.7, 0.0);
(405388.3, 3811187.9, 1335.4, 2170.7, 0.0); (405411.0,
3811226.0, 1322.1, 2170.7, 0.0);
(405433.7, 3811264.0, 1321.2, 2170.7, 0.0); (405456.4,
3811302.0, 1323.0, 2170.7, 0.0);
(405479.1, 3811340.1, 1341.3, 2170.7, 0.0); (405501.8,
3811378.1, 1348.1, 2170.7, 0.0);
(405524.5, 3811416.2, 1327.7, 2170.7, 0.0); (405547.2,
3811454.2, 1302.7, 2170.7, 0.0);
(405569.9, 3811492.3, 1283.1, 2170.7, 0.0); (405592.6,
3811530.3, 1272.6, 2170.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(405615.3, 3811568.4, 1246.0, 2170.7, 0.0); (405638.0,
3811606.4, 1244.3, 2170.7, 0.0);

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    ( 405660.6, 3811644.5,    1260.6,    2170.7,       0.0);         ( 405683.3,
3811682.5,    1282.3,    2170.7,       0.0);
    ( 405706.0, 3811720.5,    1285.7,    2170.7,       0.0);         ( 405728.8,
3811758.6,    1283.1,    2170.7,       0.0);
    ( 405751.5, 3811796.6,    1279.8,    2170.7,       0.0);         ( 405774.1,
3811834.7,    1267.3,    2170.7,       0.0);
    ( 405796.8, 3811872.7,    1243.6,    2170.7,       0.0);         ( 405819.5,
3811910.8,    1222.6,    2170.7,       0.0);
    ( 405842.2, 3811948.8,    1200.4,    2432.6,       0.0);         ( 405864.9,
3811986.9,    1187.0,    2432.6,       0.0);
    ( 405887.6, 3812024.9,    1191.5,    2432.6,       0.0);         ( 405910.3,
3812062.9,    1206.1,    2432.6,       0.0);
    ( 405933.0, 3812101.0,    1227.5,    2170.7,       0.0);         ( 405955.7,
3812139.0,    1247.1,    2170.7,       0.0);
    ( 405978.4, 3812177.1,    1256.1,    2170.7,       0.0);         ( 406001.1,
3812215.1,    1250.2,    2170.7,       0.0);
    ( 406023.8, 3812253.2,    1237.0,    2170.7,       0.0);         ( 406046.5,
3812291.2,    1230.5,    2170.7,       0.0);
    ( 406069.2, 3812329.3,    1216.0,    2170.7,       0.0);         ( 406091.9,
3812367.3,    1211.2,    2170.7,       0.0);
    ( 406114.6, 3812405.4,    1221.0,    2170.7,       0.0);         ( 406137.3,
3812443.4,    1218.3,    2170.7,       0.0);
    ( 406160.0, 3812481.4,    1195.2,    2432.6,       0.0);         ( 406182.7,
3812519.5,    1181.7,    2432.6,       0.0);
    ( 406205.4, 3812557.5,    1174.4,    2432.6,       0.0);         ( 406228.1,
3812595.6,    1154.0,    2432.6,       0.0);
    ( 406250.8, 3812633.6,    1139.2,    2432.6,       0.0);         ( 406273.5,
3812671.7,    1121.6,    2432.6,       0.0);
    ( 406296.2, 3812709.7,    1122.2,    2432.6,       0.0);         ( 406318.9,
3812747.8,    1118.6,    2432.6,       0.0);
    ( 406341.6, 3812785.8,    1129.0,    2432.6,       0.0);         ( 406364.3,
3812823.9,    1129.6,    2432.6,       0.0);
    ( 406387.0, 3812861.9,    1106.0,    2432.6,       0.0);         ( 406409.7,
3812899.9,    1098.4,    2432.6,       0.0);
    ( 406432.4, 3812938.0,    1084.0,    2432.6,       0.0);         ( 406455.1,
3812976.0,    1067.3,    2432.6,       0.0);
    ( 406477.8, 3813014.1,    1058.0,    2432.6,       0.0);         ( 406500.5,
3813052.1,    1050.1,    2432.6,       0.0);
    ( 406523.2, 3813090.2,    1036.6,    2432.6,       0.0);         ( 406545.9,
3813128.2,    1029.2,    2432.6,       0.0);
    ( 406568.6, 3813166.3,    1024.5,    2432.6,       0.0);         ( 406591.3,
3813204.3,    1023.4,    2432.6,       0.0);
    ( 406614.0, 3813242.4,    1022.8,    2432.6,       0.0);         ( 406636.7,
3813280.4,    1021.7,    2432.6,       0.0);
    ( 406659.4, 3813318.4,    1032.6,    2432.6,       0.0);         ( 406682.0,
3813356.5,    1064.8,    2432.6,       0.0);
    ( 406704.8, 3813394.5,    1095.9,    2432.6,       0.0);         ( 406727.5,
3813432.6,    1118.6,    2432.6,       0.0);
    ( 406750.1, 3813470.6,    1110.0,    2432.6,       0.0);         ( 406772.8,
3813508.7,    1106.4,    2432.6,       0.0);
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(406795.5, 3813546.7, 1126.7, 2432.6, 0.0); (406818.2,
3813584.8, 1115.6, 2432.6, 0.0);
(406840.9, 3813622.8, 1093.9, 2432.6, 0.0); (406863.6,
3813660.9, 1082.3, 2432.6, 0.0);
(406886.3, 3813698.9, 1098.9, 2432.6, 0.0); (406909.0,
3813736.9, 1112.9, 2432.6, 0.0);
(406931.7, 3813775.0, 1111.9, 2432.6, 0.0); (406954.4,
3813813.0, 1123.9, 2432.6, 0.0);
(406977.1, 3813851.1, 1124.2, 2432.6, 0.0); (406999.8,
3813889.1, 1137.0, 2432.6, 0.0);
(407022.5, 3813927.2, 1139.0, 2432.6, 0.0); (407045.2,
3813965.2, 1150.7, 2432.6, 0.0);
(407067.9, 3814003.3, 1144.9, 2432.6, 0.0); (407090.6,
3814041.3, 1145.8, 2432.6, 0.0);
(407113.3, 3814079.4, 1144.2, 2432.6, 0.0); (407136.0,
3814117.4, 1168.6, 2432.6, 0.0);
(407158.7, 3814155.4, 1184.5, 2170.7, 0.0); (407181.4,
3814193.5, 1204.9, 2170.7, 0.0);
(407204.1, 3814231.5, 1208.5, 2170.7, 0.0); (407226.8,
3814269.6, 1196.4, 2170.7, 0.0);
(407249.5, 3814307.6, 1204.4, 2170.7, 0.0); (407272.2,
3814345.7, 1215.2, 2007.8, 0.0);
(407294.9, 3814383.7, 1222.5, 2007.8, 0.0); (407317.6,
3814421.8, 1229.8, 1505.5, 0.0);
(407340.3, 3814459.8, 1242.6, 1505.5, 0.0); (407363.0,
3814497.8, 1262.0, 1505.5, 0.0);
(407385.7, 3814535.9, 1276.4, 1501.3, 0.0); (407408.4,
3814573.9, 1281.6, 1489.0, 0.0);
(407431.1, 3814612.0, 1273.6, 1501.3, 0.0); (407453.8,
3814650.0, 1256.6, 1505.5, 0.0);
(407476.5, 3814688.1, 1230.9, 1505.5, 0.0); (407499.2,
3814726.1, 1205.1, 2007.8, 0.0);
(407521.9, 3814764.2, 1191.5, 2007.8, 0.0); (407544.6,
3814802.2, 1195.3, 2007.8, 0.0);
(407567.3, 3814840.3, 1180.7, 2010.6, 0.0); (407590.0,
3814878.3, 1197.8, 2007.8, 0.0);
(407612.7, 3814916.3, 1201.0, 2007.8, 0.0); (407635.4,
3814954.4, 1218.5, 1505.5, 0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

```
     ( 407653.7, 3815014.2,    1251.3,    1504.7,       0.0);         ( 407645.0,
3815057.6,    1251.2,    1496.9,       0.0);
     ( 407636.2, 3815101.0,    1254.6,    1489.0,       0.0);         ( 407627.5,
3815144.5,    1238.4,    1504.7,       0.0);
     ( 407618.8, 3815187.9,    1224.6,    1505.5,       0.0);         ( 407610.1,
3815231.3,    1242.6,    1489.0,       0.0);
     ( 407601.3, 3815274.8,    1245.5,    1489.0,       0.0);         ( 407592.6,
3815318.2,    1234.2,    1489.0,       0.0);
     ( 407583.9, 3815361.6,    1222.4,    1496.9,       0.0);         ( 407575.2,
3815405.1,    1213.7,    1504.7,       0.0);
     ( 407566.4, 3815448.5,    1226.2,    1489.0,       0.0);         ( 407557.7,
3815491.9,    1223.6,    1489.0,       0.0);
     ( 407549.0, 3815535.4,    1214.2,    1489.0,       0.0);         ( 407540.3,
3815578.8,    1201.2,    1496.9,       0.0);
     ( 407531.5, 3815622.2,    1179.4,    1505.5,       0.0);         ( 407522.8,
3815665.7,    1163.8,    1505.5,       0.0);
     ( 407514.1, 3815709.1,    1143.5,    2007.8,       0.0);         ( 407505.3,
3815752.5,    1126.2,    2007.8,       0.0);
     ( 407496.6, 3815796.0,    1121.3,    2007.8,       0.0);         ( 407487.9,
3815839.4,    1120.6,    2007.8,       0.0);
     ( 407479.2, 3815882.8,    1127.7,    2007.8,       0.0);         ( 407470.5,
3815926.3,    1149.7,    1505.5,       0.0);
     ( 407461.7, 3815969.7,    1168.7,    1489.0,       0.0);         ( 407453.0,
3816013.1,    1146.8,    1505.5,       0.0);
     ( 407444.3, 3816056.6,    1138.0,    1505.5,       0.0);         ( 407435.5,
3816100.0,    1138.5,    1505.5,       0.0);
     ( 407426.8, 3816143.4,    1159.3,    1489.0,       0.0);         ( 407418.1,
3816186.9,    1178.4,    1489.0,       0.0);
     ( 407409.4, 3816230.3,    1186.5,    1489.0,       0.0);         ( 407400.6,
3816273.7,    1199.8,    1472.0,       0.0);
     ( 407391.9, 3816317.2,    1223.5,    1472.0,       0.0);         ( 407383.2,
3816360.6,    1238.7,    1472.0,       0.0);
     ( 407374.5, 3816404.0,    1233.5,    1472.0,       0.0);         ( 407365.7,
3816447.5,    1236.5,    1450.3,       0.0);
     ( 407357.0, 3816490.9,    1249.5,    1412.1,       0.0);         ( 407348.3,
3816534.3,    1244.8,    1412.1,       0.0);
     ( 407339.6, 3816577.8,    1238.1,    1413.9,       0.0);         ( 407330.8,
3816621.2,    1241.1,    1409.2,       0.0);
     ( 407322.1, 3816664.6,    1225.8,    1413.9,       0.0);         ( 407313.4,
3816708.1,    1218.4,    1413.9,       0.0);
     ( 407304.7, 3816751.5,    1215.7,    1413.9,       0.0);         ( 407295.9,
3816794.9,    1197.2,    1450.3,       0.0);
     ( 407287.2, 3816838.4,    1187.9,    1472.0,       0.0);         ( 407278.5,
3816881.8,    1186.9,    1472.0,       0.0);
     ( 407269.8, 3816925.2,    1194.0,    1413.9,       0.0);         ( 407261.0,
3816968.7,    1198.1,    1413.9,       0.0);
     ( 407252.3, 3817012.1,    1192.7,    1413.9,       0.0);         ( 407243.6,
3817055.5,    1187.9,    1413.9,       0.0);
     ( 407234.8, 3817099.0,    1176.6,    1413.9,       0.0);         ( 407226.1,
3817142.4,    1151.2,    1472.0,       0.0);
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     ( 407217.4, 3817185.8,    1134.3,    1472.0,       0.0);         ( 407208.7,
3817229.3,    1141.1,    1472.0,       0.0);
     ( 407199.9, 3817272.7,    1141.4,    1472.0,       0.0);         ( 407191.2,
3817316.1,    1150.4,    1450.3,       0.0);
     ( 407182.5, 3817359.6,    1151.4,    1413.9,       0.0);         ( 407173.8,
3817403.0,    1149.9,    1413.9,       0.0);
     ( 407165.0, 3817446.4,    1141.0,    1413.9,       0.0);         ( 407156.3,
3817489.9,    1126.7,    1457.1,       0.0);
     ( 407147.6, 3817533.3,    1105.7,    1541.6,       0.0);         ( 407138.9,
3817576.8,    1095.2,    1541.6,       0.0);
     ( 407130.1, 3817620.2,    1071.4,    1541.6,       0.0);         ( 407121.4,
3817663.6,    1056.4,    1541.6,       0.0);
     ( 407112.7, 3817707.0,    1059.2,    1541.6,       0.0);         ( 407104.0,
3817750.5,    1049.2,    1541.6,       0.0);
     ( 407095.2, 3817793.9,    1051.9,    1541.6,       0.0);         ( 407086.5,
3817837.4,    1041.4,    1541.6,       0.0);
     ( 407077.8, 3817880.8,    1035.9,    1541.6,       0.0);         ( 407069.0,
3817924.2,    1027.6,    1541.6,       0.0);
     ( 407060.3, 3817967.7,    1019.1,    1548.3,       0.0);         ( 407051.6,
3818011.1,    1000.4,    1552.9,       0.0);
     ( 407042.9, 3818054.5,     988.7,    1552.9,       0.0);         ( 407034.1,
3818098.0,     994.3,    1552.9,       0.0);
     ( 407025.4, 3818141.4,     994.3,    1552.9,       0.0);         ( 407016.7,
3818184.8,     983.9,    1552.9,       0.0);
     ( 407008.0, 3818228.3,     982.6,    1552.9,       0.0);         ( 406999.2,
3818271.7,     981.1,    1552.9,       0.0);
     ( 406990.5, 3818315.1,     985.7,    1552.9,       0.0);         ( 406981.8,
3818358.6,     979.6,    1552.9,       0.0);
     ( 406973.1, 3818402.0,     980.1,    1552.9,       0.0);         ( 406964.3,
3818445.4,     981.1,    1552.9,       0.0);
     ( 406955.6, 3818488.9,     977.6,    1552.9,       0.0);         ( 406946.9,
3818532.3,     975.2,    1552.9,       0.0);
     ( 406938.2, 3818575.7,     961.3,    1552.9,       0.0);         ( 406929.4,
3818619.2,     957.1,    1552.9,       0.0);
     ( 406920.7, 3818662.6,     961.7,    1552.9,       0.0);         ( 406912.0,
3818706.0,     965.9,    1552.9,       0.0);
     ( 406903.3, 3818749.5,     965.6,    1552.9,       0.0);         ( 406894.5,
3818792.9,     953.0,    1552.9,       0.0);
     ( 406885.8, 3818836.3,     943.6,    1552.9,       0.0);         ( 406877.1,
3818879.8,     936.4,    1552.9,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                        ***       09:14:47

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

(METERS)

(406868.3, 3818923.2, 935.2, 1552.9, 0.0); (406859.6, 3818966.6, 934.3, 1552.9, 0.0);
(406850.9, 3819010.1, 937.6, 1552.9, 0.0); (406842.2, 3819053.5, 932.0, 1552.9, 0.0);
(406833.5, 3819096.9, 928.3, 1552.9, 0.0); (406824.7, 3819140.4, 924.1, 1552.9, 0.0);
(406816.0, 3819183.8, 909.7, 1552.9, 0.0); (406807.3, 3819227.2, 904.2, 1552.9, 0.0);
(406798.5, 3819270.7, 903.6, 1552.9, 0.0); (406789.8, 3819314.1, 903.2, 1552.9, 0.0);
(406781.1, 3819357.5, 902.2, 1552.9, 0.0); (406772.4, 3819401.0, 902.1, 1552.9, 0.0);
(406763.6, 3819444.4, 904.1, 1552.9, 0.0); (406754.9, 3819487.8, 907.0, 1552.9, 0.0);
(406746.2, 3819531.3, 908.5, 1552.9, 0.0); (406737.5, 3819574.7, 910.3, 1552.9, 0.0);
(406728.7, 3819618.1, 913.1, 1552.9, 0.0); (406720.0, 3819661.6, 920.4, 1541.6, 0.0);
(406711.3, 3819705.0, 921.4, 1541.6, 0.0); (406702.6, 3819748.4, 926.9, 1541.6, 0.0);
(406693.8, 3819791.9, 928.8, 1541.6, 0.0); (406685.1, 3819835.3, 932.5, 1541.6, 0.0);
(406676.4, 3819878.7, 938.2, 1541.6, 0.0); (406667.6, 3819922.2, 943.3, 1541.6, 0.0);
(406658.9, 3819965.6, 951.4, 1541.6, 0.0); (406650.2, 3820009.0, 953.8, 1541.6, 0.0);
(406641.5, 3820052.5, 955.8, 1541.6, 0.0); (406632.8, 3820095.9, 960.3, 1541.6, 0.0);
(406624.0, 3820139.3, 961.4, 1541.6, 0.0); (406615.3, 3820182.8, 961.1, 1541.6, 0.0);
(406606.6, 3820226.2, 960.6, 1541.6, 0.0); (406597.8, 3820269.6, 960.1, 1541.6, 0.0);
(406589.1, 3820313.1, 951.2, 1541.6, 0.0); (406580.4, 3820356.5, 940.6, 1541.6, 0.0);
(406571.7, 3820399.9, 932.7, 1541.6, 0.0); (406562.9, 3820443.4, 926.0, 1541.6, 0.0);
(406554.2, 3820486.8, 919.6, 1541.6, 0.0); (406545.5, 3820530.2, 915.3, 1541.6, 0.0);
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(406501.9, 3820747.4, 893.9, 1541.6, 0.0); (406493.1, 3820790.8, 886.7, 1541.6, 0.0);
(406484.4, 3820834.3, 884.6, 1541.6, 0.0); (406475.7, 3820877.7, 882.2, 1541.6, 0.0);
(406467.0, 3820921.1, 878.1, 1541.6, 0.0); (406458.2, 3820964.6, 876.1, 1541.6, 0.0);

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     ( 406449.5, 3821008.0,     874.7,    1541.6,       0.0);         ( 406440.8,
3821051.4,     872.0,    1541.6,       0.0);
     ( 406432.0, 3821094.9,     869.4,    1541.6,       0.0);         ( 406423.3,
3821138.3,     866.8,    1541.6,       0.0);
     ( 406414.6, 3821181.8,     864.1,    1541.6,       0.0);         ( 406405.9,
3821225.2,     861.4,    1541.6,       0.0);
     ( 406397.1, 3821268.6,     860.7,    1541.6,       0.0);         ( 406388.4,
3821312.1,     860.1,    1541.6,       0.0);
     ( 406379.7, 3821355.5,     859.6,    1541.6,       0.0);         ( 406371.0,
3821398.9,     859.1,    1541.6,       0.0);
     ( 406362.2, 3821442.4,     858.7,    1541.6,       0.0);         ( 406353.5,
3821485.8,     858.1,    1541.6,       0.0);
     ( 406344.8, 3821529.2,     857.6,    1541.6,       0.0);         ( 406336.1,
3821572.7,     856.8,    1541.6,       0.0);
     ( 406327.3, 3821616.1,     856.3,    1541.6,       0.0);         ( 406318.6,
3821659.5,     855.8,     855.8,       0.0);
     ( 406309.9, 3821703.0,     855.4,     855.4,       0.0);         ( 406301.2,
3821746.4,     854.8,     854.8,       0.0);
     ( 406292.4, 3821789.8,     854.4,     854.4,       0.0);         ( 406283.7,
3821833.3,     853.9,     853.9,       0.0);
     ( 406275.0, 3821876.7,     853.4,     853.4,       0.0);         ( 406266.3,
3821920.1,     852.1,     852.1,       0.0);
     ( 406257.5, 3821963.6,     851.8,     851.8,       0.0);         ( 406248.8,
3822007.0,     851.3,     851.3,       0.0);
     ( 406240.1, 3822050.4,     850.8,     850.8,       0.0);         ( 406231.3,
3822093.9,     850.7,     850.7,       0.0);
     ( 406222.6, 3822137.3,     850.8,     850.8,       0.0);         ( 406213.9,
3822180.7,     849.8,     849.8,       0.0);
     ( 406205.2, 3822224.2,     849.0,     849.0,       0.0);         ( 406196.5,
3822267.6,     848.7,     848.7,       0.0);
     ( 406187.7, 3822311.0,     848.3,     848.3,       0.0);         ( 406179.0,
3822354.5,     847.7,     847.7,       0.0);
     ( 406170.3, 3822397.9,     847.1,     847.1,       0.0);         ( 406161.5,
3822441.3,     846.6,     846.6,       0.0);
     ( 406152.8, 3822484.8,     846.1,     846.1,       0.0);         ( 406144.1,
3822528.2,     845.7,     845.7,       0.0);
     ( 406135.4, 3822571.6,     845.3,     845.3,       0.0);         ( 406126.6,
3822615.1,     844.7,     844.7,       0.0);
     ( 406117.9, 3822658.5,     844.3,     844.3,       0.0);         ( 406109.2,
3822701.9,     843.9,     843.9,       0.0);
     ( 406100.5, 3822745.4,     843.5,     843.5,       0.0);         ( 406091.7,
3822788.8,     843.0,     843.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(406083.0, 3822832.2, 842.8, 842.8, 0.0); (406074.3, 3822875.7, 842.3, 842.3, 0.0);
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(406048.1, 3823006.0, 841.2, 841.2, 0.0); (406039.4, 3823049.4, 840.6, 840.6, 0.0);
(406030.6, 3823092.8, 840.2, 840.2, 0.0); (406021.9, 3823136.3, 839.7, 839.7, 0.0);
(406013.2, 3823179.7, 837.6, 837.6, 0.0); (406004.5, 3823223.1, 838.9, 838.9, 0.0);
(405995.8, 3823266.6, 838.7, 838.7, 0.0); (405987.0, 3823310.0, 838.2, 838.2, 0.0);
(403271.3, 3807655.0, 1524.8, 2170.7, 0.0); (403236.4, 3807627.7, 1543.4, 2170.7, 0.0);
(403201.5, 3807600.3, 1537.3, 2170.7, 0.0); (403166.6, 3807573.0, 1541.6, 2170.7, 0.0);
(395836.7, 3816831.8, 938.3, 1439.0, 0.0); (395824.8, 3816811.1, 938.3, 1426.6, 0.0);
(395812.8, 3816790.3, 938.4, 1356.4, 0.0); (395800.8, 3816769.6, 937.9, 1356.4, 0.0);
(395788.9, 3816748.8, 937.8, 1356.4, 0.0); (395870.3, 3816840.1, 934.2, 1607.3, 0.0);
(395858.4, 3816819.3, 933.5, 1607.3, 0.0); (395846.4, 3816798.6, 933.6, 1607.3, 0.0);
(395834.5, 3816777.8, 934.2, 1607.3, 0.0); (395822.5, 3816757.1, 936.2, 1607.0, 0.0);
(395810.6, 3816736.3, 935.3, 1607.3, 0.0); (395880.0, 3816806.9, 934.4, 1607.3, 0.0);
(395868.1, 3816786.1, 936.5, 1607.3, 0.0); (395856.1, 3816765.4, 935.6, 1607.3, 0.0);
(395844.2, 3816744.6, 936.2, 1607.3, 0.0); (395832.2, 3816723.9, 932.0, 1607.3, 0.0);
(395901.7, 3816794.4, 938.0, 1607.3, 0.0); (395889.8, 3816773.6, 937.4, 1607.3, 0.0);
(395877.8, 3816752.9, 932.8, 1607.3, 0.0); (395865.8, 3816732.1, 932.0, 1607.3, 0.0);
(395853.9, 3816711.4, 930.2, 1607.3, 0.0); (395933.1, 3816748.7, 932.9, 1607.3, 0.0);
(395921.1, 3816727.9, 932.4, 1607.3, 0.0); (395909.2, 3816707.2, 932.0, 1607.3, 0.0);
(395897.2, 3816686.4, 931.2, 1607.3, 0.0); (395964.5, 3816703.0, 935.3, 1607.3, 0.0);
(395952.5, 3816682.2, 935.2, 1607.3, 0.0); (395940.6, 3816661.5, 935.7, 1607.3, 0.0);
(396055.6, 3816761.0, 936.4, 1607.3, 0.0); (396007.8, 3816678.0, 944.3, 1607.3, 0.0);

(395995.8, 3816657.3, 948.0, 1607.3, 0.0); (395983.9,
3816636.5, 946.8, 1607.3, 0.0);
(396087.0, 3816715.3, 941.6, 1607.3, 0.0); (396039.2,
3816632.3, 953.8, 1607.3, 0.0);
(396027.2, 3816611.6, 955.2, 1607.3, 0.0); (396142.2,
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(396094.5, 3816628.1, 957.9, 1607.3, 0.0); (396070.6,
3816586.6, 957.3, 1607.3, 0.0);
(396228.9, 3816661.2, 962.5, 1607.3, 0.0); (396217.0,
3816640.5, 962.4, 1607.3, 0.0);
(396157.2, 3816536.7, 960.1, 1607.3, 0.0); (396315.6,
3816611.3, 965.9, 1607.3, 0.0);
(396303.6, 3816590.6, 965.8, 1607.3, 0.0); (396291.7,
3816569.8, 963.6, 1607.3, 0.0);
(396402.2, 3816561.4, 966.3, 1607.3, 0.0); (396366.4,
3816499.2, 966.9, 1607.3, 0.0);
(396453.0, 3816449.3, 957.9, 1607.3, 0.0); (396756.4,
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(397008.9, 3816212.2, 975.7, 1607.3, 0.0); (396996.9,
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(396985.0, 3816170.7, 988.9, 1607.3, 0.0); (396973.0,
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(396961.1, 3816129.2, 994.6, 1607.3, 0.0); (396949.1,
3816108.4, 1001.6, 1607.3, 0.0);
(396937.2, 3816087.7, 1008.1, 1607.3, 0.0); (397225.5,
3816087.4, 976.0, 1607.3, 0.0);
(397213.6, 3816066.7, 975.9, 1607.3, 0.0); (397201.6,
3816045.9, 976.2, 1607.3, 0.0);
(397189.7, 3816025.2, 976.6, 1607.3, 0.0); (397177.7,
3816004.4, 977.3, 1607.3, 0.0);
(397165.8, 3815983.7, 977.9, 1607.3, 0.0); (397153.8,
3815962.9, 978.4, 1607.3, 0.0);
(397442.2, 3815962.7, 999.9, 1607.3, 0.0); (397430.2,
3815941.9, 1005.0, 1607.3, 0.0);
(397418.3, 3815921.2, 1006.7, 1607.3, 0.0); (397406.3,
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(397394.4, 3815879.7, 1002.5, 1607.3, 0.0); (397382.4,
3815858.9, 999.2, 1607.3, 0.0);
(397370.5, 3815838.2, 994.6, 1607.3, 0.0); (397875.5,
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(397863.5, 3815692.4, 1054.8, 1607.3, 0.0); (397851.6,
3815671.7, 1051.5, 1607.3, 0.0);
(397839.6, 3815650.9, 1054.7, 1607.3, 0.0); (397827.7,
3815630.2, 1062.0, 1607.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(397815.7, 3815609.4, 1062.7, 1607.3, 0.0); (397803.8, 3815588.7, 1054.8, 1607.3, 0.0);
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(398284.9, 3815422.2, 1114.2, 1607.3, 0.0); (398272.9, 3815401.4, 1105.0, 1607.3, 0.0);
(398261.0, 3815380.7, 1097.0, 1607.3, 0.0); (398249.0, 3815359.9, 1088.8, 1607.3, 0.0);
(398237.1, 3815339.2, 1082.1, 1607.3, 0.0); (398742.1, 3815214.2, 1110.0, 1607.3, 0.0);
(398730.1, 3815193.5, 1108.5, 1607.3, 0.0); (398718.2, 3815172.7, 1108.9, 1607.3, 0.0);
(398706.2, 3815152.0, 1112.4, 1607.3, 0.0); (398694.3, 3815131.2, 1110.8, 1607.3, 0.0);
(398682.3, 3815110.5, 1107.4, 1607.3, 0.0); (398670.4, 3815089.7, 1105.9, 1607.3, 0.0);
(399175.4, 3814964.7, 1185.5, 1607.3, 0.0); (399163.5, 3814944.0, 1174.2, 1607.3, 0.0);
(399151.5, 3814923.2, 1165.0, 1607.3, 0.0); (399139.5, 3814902.5, 1168.7, 1607.3, 0.0);
(399127.6, 3814881.7, 1178.7, 1607.3, 0.0); (399115.7, 3814861.0, 1188.8, 1607.3, 0.0);
(399103.7, 3814840.2, 1196.3, 1607.3, 0.0); (400330.9, 3814299.4, 1249.0, 1607.3, 0.0);
(400318.9, 3814278.7, 1246.5, 1607.3, 0.0); (400307.0, 3814257.9, 1244.1, 1607.3, 0.0);
(400295.0, 3814237.2, 1244.6, 1607.3, 0.0); (400283.1, 3814216.4, 1241.0, 1607.3, 0.0);
(400271.1, 3814195.7, 1237.4, 1607.3, 0.0); (400259.2, 3814174.9, 1234.6, 1607.3, 0.0);
(401486.4, 3813634.1, 1469.4, 1607.3, 0.0); (401474.4, 3813613.4, 1458.5, 1607.3, 0.0);
(401462.5, 3813592.6, 1446.4, 1607.3, 0.0); (401450.5, 3813571.9, 1433.4, 1607.3, 0.0);
(401438.6, 3813551.1, 1418.6, 1607.3, 0.0); (401426.6, 3813530.4, 1418.3, 1607.3, 0.0);
(401414.7, 3813509.6, 1432.0, 1607.3, 0.0); (402641.9, 3812968.8, 1313.6, 2170.7, 0.0);
(402629.9, 3812948.1, 1300.3, 2170.7, 0.0); (402618.0, 3812927.3, 1290.3, 2170.7, 0.0);
(402606.0, 3812906.6, 1290.5, 2170.7, 0.0); (402594.1, 3812885.8, 1300.6, 2170.7, 0.0);
(402582.1, 3812865.1, 1309.7, 2170.7, 0.0); (402570.2, 3812844.3, 1319.3, 2170.7, 0.0);

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     ( 403797.3, 3812303.5,    1157.2,    2170.7,       0.0);         ( 403785.4,
3812282.8,    1157.9,    2170.7,       0.0);
     ( 403773.5, 3812262.0,    1163.4,    2170.7,       0.0);         ( 403761.5,
3812241.3,    1172.8,    2170.7,       0.0);
     ( 403749.5, 3812220.5,    1182.1,    2170.7,       0.0);         ( 403737.6,
3812199.8,    1190.4,    2170.7,       0.0);
     ( 403725.7, 3812179.0,    1194.5,    2170.7,       0.0);         ( 404952.8,
3811638.2,    1327.7,    2170.7,       0.0);
     ( 404940.9, 3811617.5,    1343.6,    2170.7,       0.0);         ( 404928.9,
3811596.7,    1358.4,    2170.7,       0.0);
     ( 404917.0, 3811576.0,    1364.2,    2170.7,       0.0);         ( 404905.0,
3811555.2,    1369.1,    2170.7,       0.0);
     ( 404893.1, 3811534.5,    1379.6,    2170.7,       0.0);         ( 404881.1,
3811513.7,    1395.5,    2170.7,       0.0);
     ( 406108.3, 3810972.9,    1244.8,    2432.6,       0.0);         ( 406096.4,
3810952.2,    1239.0,    2432.6,       0.0);
     ( 406084.4, 3810931.4,    1228.6,    2432.6,       0.0);         ( 406072.5,
3810910.7,    1221.5,    2432.6,       0.0);
     ( 406060.5, 3810889.9,    1222.7,    2432.6,       0.0);         ( 406048.6,
3810869.1,    1225.0,    2432.6,       0.0);
     ( 406036.6, 3810848.4,    1222.2,    2432.6,       0.0);         ( 395770.0,
3816709.7,     935.0,    1607.0,       0.0);
     ( 395760.1, 3816689.4,     933.8,    1607.0,       0.0);         ( 395750.2,
3816669.0,     930.5,    1607.3,       0.0);
     ( 395740.4, 3816648.7,     928.5,    1607.3,       0.0);         ( 395792.5,
3816698.8,     931.8,    1607.3,       0.0);
     ( 395782.6, 3816678.5,     929.7,    1607.3,       0.0);         ( 395772.7,
3816658.1,     927.6,    1607.3,       0.0);
     ( 395762.9, 3816637.8,     926.9,    1607.3,       0.0);         ( 395815.0,
3816687.9,     928.7,    1607.3,       0.0);
     ( 395805.1, 3816667.5,     928.2,    1607.3,       0.0);         ( 395795.2,
3816647.2,     927.4,    1607.3,       0.0);
     ( 395785.4, 3816626.9,     927.1,    1607.3,       0.0);         ( 395837.5,
3816676.9,     929.5,    1607.3,       0.0);
     ( 395827.6, 3816656.6,     929.1,    1607.3,       0.0);         ( 395817.7,
3816636.3,     928.2,    1607.3,       0.0);
     ( 395807.8, 3816616.0,     927.8,    1607.3,       0.0);         ( 395882.4,
3816655.1,     930.4,    1607.3,       0.0);
     ( 395872.6, 3816634.8,     929.7,    1607.3,       0.0);         ( 395862.7,
3816614.4,     930.4,    1607.3,       0.0);
     ( 395852.8, 3816594.1,     931.8,    1607.3,       0.0);         ( 395927.4,
3816633.3,     936.7,    1607.3,       0.0);
     ( 395917.5, 3816612.9,     938.9,    1607.3,       0.0);         ( 395907.7,
3816592.6,     941.2,    1607.3,       0.0);
     ( 395897.8, 3816572.3,     941.4,    1607.3,       0.0);         ( 395972.4,
3816611.4,     948.9,    1607.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                         ***       09:14:47
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(395962.5, 3816591.1, 951.8, 1607.3, 0.0); (395952.6, 3816570.8, 950.0, 1607.3, 0.0);
(395942.8, 3816550.4, 949.1, 1607.3, 0.0); (396017.4, 3816589.6, 955.4, 1607.3, 0.0);
(396007.5, 3816569.3, 954.1, 1607.3, 0.0); (395997.6, 3816548.9, 953.6, 1607.3, 0.0);
(395987.8, 3816528.6, 954.3, 1607.3, 0.0); (396052.5, 3816547.4, 956.6, 1607.3, 0.0);
(396042.6, 3816527.1, 955.6, 1607.3, 0.0); (396032.7, 3816506.8, 952.5, 1607.3, 0.0);
(396142.4, 3816503.8, 955.1, 1607.3, 0.0); (396132.6, 3816483.4, 952.4, 1607.3, 0.0);
(396122.7, 3816463.1, 949.7, 1607.3, 0.0); (396252.1, 3816500.7, 958.3, 1607.3, 0.0);
(396232.4, 3816460.1, 959.2, 1607.3, 0.0); (396222.5, 3816439.7, 952.8, 1607.3, 0.0);
(396212.6, 3816419.4, 945.5, 1607.3, 0.0); (396322.3, 3816416.4, 943.6, 1607.3, 0.0);
(396312.5, 3816396.1, 941.2, 1607.3, 0.0); (396302.6, 3816375.7, 941.0, 1607.3, 0.0);
(396432.0, 3816413.4, 946.1, 1607.3, 0.0); (396392.6, 3816332.1, 943.2, 1607.3, 0.0);
(396482.5, 3816288.4, 946.5, 1607.3, 0.0); (396717.3, 3816199.5, 965.4, 1607.3, 0.0);
(398331.0, 3815516.5, 1158.9, 1607.3, 0.0); (398321.1, 3815496.1, 1146.8, 1607.3, 0.0);
(398780.8, 3815298.1, 1119.7, 1607.3, 0.0); (398770.9, 3815277.8, 1116.3, 1607.3, 0.0);
(398761.1, 3815257.4, 1114.0, 1607.3, 0.0); (398751.2, 3815237.1, 1112.4, 1607.3, 0.0);
(399230.6, 3815079.7, 1231.6, 1607.3, 0.0); (399220.7, 3815059.4, 1228.5, 1607.3, 0.0);
(399210.8, 3815039.0, 1222.1, 1607.3, 0.0); (399201.0, 3815018.7, 1213.4, 1607.3, 0.0);
(399191.1, 3814998.4, 1203.2, 1607.3, 0.0); (400430.0, 3814497.3, 1318.9, 1607.3, 0.0);
(400420.1, 3814477.0, 1309.4, 1607.3, 0.0); (400410.3, 3814456.7, 1300.7, 1607.3, 0.0);
(400400.4, 3814436.3, 1292.7, 1607.3, 0.0); (400390.5, 3814416.0, 1284.7, 1607.3, 0.0);
(400380.7, 3814395.7, 1278.9, 1607.3, 0.0); (401629.4, 3813915.0, 1543.0, 1607.3, 0.0);

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     ( 401619.6, 3813894.6,    1546.3,    1607.3,       0.0);         ( 401609.7,
3813874.3,    1547.6,    1607.3,       0.0);
     ( 401599.8, 3813854.0,    1546.3,    1607.3,       0.0);         ( 401590.0,
3813833.6,    1539.1,    1607.3,       0.0);
     ( 401580.1, 3813813.3,    1530.3,    1607.3,       0.0);         ( 402828.9,
3813332.6,    1383.1,    1607.3,       0.0);
     ( 402819.0, 3813312.3,    1384.4,    1607.3,       0.0);         ( 402809.1,
3813291.9,    1379.2,    1607.3,       0.0);
     ( 402799.3, 3813271.6,    1376.0,    1607.3,       0.0);         ( 402789.4,
3813251.3,    1377.3,    1607.3,       0.0);
     ( 402779.5, 3813231.0,    1380.9,    1607.3,       0.0);         ( 404028.3,
3812750.2,    1161.2,    2170.7,       0.0);
     ( 404018.4, 3812729.9,    1153.8,    2170.7,       0.0);         ( 404008.6,
3812709.6,    1146.2,    2170.7,       0.0);
     ( 403998.7, 3812689.2,    1145.9,    2170.7,       0.0);         ( 403988.8,
3812668.9,    1147.8,    2170.7,       0.0);
     ( 403979.0, 3812648.6,    1147.9,    2170.7,       0.0);         ( 405227.7,
3812167.9,    1231.1,    2170.7,       0.0);
     ( 405217.9, 3812147.5,    1234.2,    2170.7,       0.0);         ( 405208.0,
3812127.2,    1243.3,    2170.7,       0.0);
     ( 405198.1, 3812106.9,    1251.3,    2170.7,       0.0);         ( 405188.2,
3812086.5,    1262.3,    2170.7,       0.0);
     ( 405178.4, 3812066.2,    1272.0,    2170.7,       0.0);         ( 406427.1,
3811585.5,    1225.0,    2432.6,       0.0);
     ( 406417.3, 3811565.2,    1237.3,    2432.6,       0.0);         ( 406407.4,
3811544.8,    1244.7,    2432.6,       0.0);
     ( 406397.5, 3811524.5,    1237.1,    2432.6,       0.0);         ( 406387.7,
3811504.2,    1239.6,    2432.6,       0.0);
     ( 406377.8, 3811483.9,    1246.6,    2432.6,       0.0);         ( 395715.1,
3816625.2,     926.9,    1607.3,       0.0);
     ( 395696.6, 3816610.2,     927.2,    1607.3,       0.0);         ( 395678.1,
3816595.2,     925.7,    1607.3,       0.0);
     ( 395659.6, 3816580.3,     926.0,    1607.3,       0.0);         ( 395641.1,
3816565.3,     923.8,    1607.3,       0.0);
     ( 395622.5, 3816550.3,     923.9,    1607.3,       0.0);         ( 395604.0,
3816535.3,     923.3,    1607.3,       0.0);
     ( 395585.5, 3816520.3,     923.4,    1607.3,       0.0);         ( 395567.0,
3816505.3,     921.2,    1607.3,       0.0);
     ( 395548.5, 3816490.3,     922.1,    1607.3,       0.0);         ( 395530.0,
3816475.4,     920.2,    1607.3,       0.0);
     ( 395511.5, 3816460.4,     920.6,    1607.0,       0.0);         ( 395493.0,
3816445.4,     919.5,    1607.0,       0.0);
     ( 395730.8, 3816605.8,     926.1,    1607.3,       0.0);         ( 395712.3,
3816590.8,     925.4,    1607.3,       0.0);
     ( 395693.8, 3816575.8,     924.6,    1607.3,       0.0);         ( 395675.3,
3816560.8,     924.3,    1607.3,       0.0);
     ( 395656.8, 3816545.8,     923.7,    1607.3,       0.0);         ( 395638.3,
3816530.9,     923.3,    1607.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(395619.8, 3816515.9, 922.5, 1607.3, 0.0); (395601.3, 3816500.9, 922.0, 1607.3, 0.0);
(395582.8, 3816485.9, 921.4, 1607.3, 0.0); (395564.2, 3816470.9, 920.6, 1607.3, 0.0);
(395545.7, 3816455.9, 919.8, 1607.3, 0.0); (395527.2, 3816440.9, 919.4, 1607.3, 0.0);
(395508.7, 3816426.0, 918.8, 1607.3, 0.0); (395765.1, 3816601.3, 926.1, 1607.3, 0.0);
(395746.6, 3816586.4, 925.9, 1607.3, 0.0); (395728.1, 3816571.4, 925.3, 1607.3, 0.0);
(395709.5, 3816556.4, 924.6, 1607.3, 0.0); (395691.0, 3816541.4, 924.1, 1607.3, 0.0);
(395672.5, 3816526.4, 923.3, 1607.3, 0.0); (395654.0, 3816511.4, 922.9, 1607.3, 0.0);
(395635.5, 3816496.4, 922.5, 1607.3, 0.0); (395617.0, 3816481.5, 922.1, 1607.3, 0.0);
(395598.5, 3816466.5, 921.4, 1607.3, 0.0); (395580.0, 3816451.5, 920.7, 1607.3, 0.0);
(395561.5, 3816436.5, 919.9, 1607.3, 0.0); (395542.9, 3816421.5, 919.1, 1607.3, 0.0);
(395524.4, 3816406.5, 918.5, 1607.3, 0.0); (395780.8, 3816581.9, 926.4, 1607.3, 0.0);
(395762.3, 3816566.9, 925.7, 1607.3, 0.0); (395743.8, 3816551.9, 925.1, 1607.3, 0.0);
(395725.3, 3816537.0, 924.4, 1607.3, 0.0); (395706.8, 3816522.0, 923.8, 1607.3, 0.0);
(395688.2, 3816507.0, 923.2, 1607.3, 0.0); (395669.7, 3816492.0, 922.5, 1607.3, 0.0);
(395651.2, 3816477.0, 922.0, 1607.3, 0.0); (395632.7, 3816462.0, 921.6, 1607.3, 0.0);
(395614.2, 3816447.0, 921.0, 1607.3, 0.0); (395595.7, 3816432.1, 920.5, 1607.3, 0.0);
(395577.2, 3816417.1, 919.8, 1607.3, 0.0); (395558.7, 3816402.1, 919.1, 1607.3, 0.0);
(395540.2, 3816387.1, 918.6, 1607.3, 0.0); (395825.8, 3816560.1, 930.8, 1607.3, 0.0);
(395793.8, 3816528.1, 927.2, 1607.3, 0.0); (395775.2, 3816513.1, 926.5, 1607.3, 0.0);
(395756.7, 3816498.1, 925.5, 1607.3, 0.0); (395738.2, 3816483.1, 924.5, 1607.3, 0.0);

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     ( 395719.7, 3816468.1,     923.4,    1607.3,       0.0);         ( 395701.2,
3816453.1,     922.8,    1607.3,       0.0);
     ( 395682.7, 3816438.1,     921.8,    1607.3,       0.0);         ( 395664.2,
3816423.2,     921.2,    1607.3,       0.0);
     ( 395645.7, 3816408.2,     920.7,    1607.3,       0.0);         ( 395627.2,
3816393.2,     920.1,    1607.3,       0.0);
     ( 395608.6, 3816378.2,     919.6,    1607.3,       0.0);         ( 395590.1,
3816363.2,     919.1,    1607.3,       0.0);
     ( 395571.6, 3816348.2,     918.5,    1607.3,       0.0);         ( 395857.2,
3816521.2,     939.4,    1607.3,       0.0);
     ( 395825.2, 3816489.2,     936.6,    1607.3,       0.0);         ( 395806.7,
3816474.2,     935.1,    1607.3,       0.0);
     ( 395788.2, 3816459.2,     933.8,    1607.3,       0.0);         ( 395769.7,
3816444.2,     931.2,    1607.3,       0.0);
     ( 395751.2, 3816429.3,     931.4,    1607.3,       0.0);         ( 395732.7,
3816414.3,     930.5,    1607.3,       0.0);
     ( 395714.1, 3816399.3,     928.7,    1607.3,       0.0);         ( 395695.6,
3816384.3,     927.2,    1607.3,       0.0);
     ( 395677.1, 3816369.3,     925.9,    1607.3,       0.0);         ( 395658.6,
3816354.3,     923.8,    1607.3,       0.0);
     ( 395640.1, 3816339.3,     921.2,    1607.3,       0.0);         ( 395621.6,
3816324.4,     920.8,    1607.3,       0.0);
     ( 395603.1, 3816309.4,     920.4,    1607.3,       0.0);         ( 395888.7,
3816482.3,     949.8,    1607.3,       0.0);
     ( 395915.8, 3816516.4,     949.3,    1607.3,       0.0);         ( 395856.7,
3816450.3,     947.8,    1607.3,       0.0);
     ( 395838.2, 3816435.4,     946.1,    1607.3,       0.0);         ( 395819.7,
3816420.4,     945.9,    1607.3,       0.0);
     ( 395801.1, 3816405.4,     943.3,    1607.3,       0.0);         ( 395782.6,
3816390.4,     943.1,    1607.3,       0.0);
     ( 395764.1, 3816375.4,     943.8,    1607.3,       0.0);         ( 395745.6,
3816360.4,     941.9,    1607.3,       0.0);
     ( 395727.1, 3816345.4,     939.9,    1607.3,       0.0);         ( 395708.6,
3816330.5,     936.2,    1607.3,       0.0);
     ( 395690.1, 3816315.5,     932.0,    1607.3,       0.0);         ( 395671.6,
3816300.5,     927.6,    1607.3,       0.0);
     ( 395653.1, 3816285.5,     927.9,    1607.3,       0.0);         ( 395634.5,
3816270.5,     930.3,    1607.3,       0.0);
     ( 395920.2, 3816443.5,     951.3,    1607.3,       0.0);         ( 395947.2,
3816477.5,     952.6,    1607.3,       0.0);
     ( 395888.1, 3816411.5,     949.6,    1607.3,       0.0);         ( 395869.6,
3816396.5,     948.6,    1607.3,       0.0);
     ( 395851.1, 3816381.5,     947.6,    1607.3,       0.0);         ( 395832.6,
3816366.5,     945.8,    1607.3,       0.0);
     ( 395814.1, 3816351.5,     943.5,    1607.3,       0.0);         ( 395795.6,
3816336.5,     942.2,    1607.3,       0.0);
     ( 395777.1, 3816321.6,     939.3,    1607.3,       0.0);         ( 395758.6,
3816306.6,     937.1,    1607.3,       0.0);
     ( 395740.0, 3816291.6,     934.7,    1607.3,       0.0);         ( 395721.5,
3816276.6,     932.6,    1607.3,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(395703.0, 3816261.6, 933.5, 1607.3, 0.0); (395684.5, 3816246.6, 935.8, 1607.3, 0.0);
(395666.0, 3816231.6, 938.7, 1607.3, 0.0); (395951.6, 3816404.6, 943.6, 1607.3, 0.0);
(395978.7, 3816438.7, 943.5, 1607.3, 0.0); (396005.7, 3816472.7, 945.6, 1607.3, 0.0);
(395919.6, 3816372.6, 949.1, 1607.3, 0.0); (395901.1, 3816357.6, 948.2, 1607.3, 0.0);
(395882.6, 3816342.6, 946.9, 1607.3, 0.0); (395864.1, 3816327.7, 945.9, 1607.3, 0.0);
(395845.6, 3816312.7, 943.7, 1607.3, 0.0); (395827.0, 3816297.7, 942.3, 1607.3, 0.0);
(395808.5, 3816282.7, 939.0, 1607.3, 0.0); (395790.0, 3816267.7, 934.6, 1607.3, 0.0);
(395771.5, 3816252.7, 933.1, 1607.3, 0.0); (395753.0, 3816237.8, 929.2, 1607.3, 0.0);
(395734.5, 3816222.8, 927.4, 1607.3, 0.0); (395716.0, 3816207.8, 926.6, 1607.3, 0.0);
(395697.5, 3816192.8, 923.1, 1607.3, 0.0); (396014.5, 3816326.9, 932.4, 1607.3, 0.0);
(396041.6, 3816360.9, 936.9, 1607.3, 0.0); (396068.6, 3816395.0, 945.7, 1607.3, 0.0);
(396095.7, 3816429.0, 954.0, 1607.3, 0.0); (395982.5, 3816294.9, 930.6, 1607.3, 0.0);
(395964.0, 3816279.9, 929.9, 1607.3, 0.0); (395945.5, 3816264.9, 929.5, 1607.3, 0.0);
(395927.0, 3816249.9, 928.4, 1607.3, 0.0); (395908.5, 3816234.9, 928.2, 1607.3, 0.0);
(395890.0, 3816220.0, 927.7, 1607.3, 0.0); (395871.5, 3816205.0, 926.9, 1607.3, 0.0);
(395852.9, 3816190.0, 926.4, 1607.3, 0.0); (395834.4, 3816175.0, 925.9, 1607.3, 0.0);
(395815.9, 3816160.0, 925.5, 1607.3, 0.0); (395797.4, 3816145.0, 924.8, 1607.3, 0.0);
(395778.9, 3816130.0, 924.1, 1607.3, 0.0); (395760.4, 3816115.1, 923.4, 1607.3, 0.0);
(396077.5, 3816249.2, 933.3, 1607.3, 0.0); (396104.5, 3816283.2, 934.3, 1607.3, 0.0);

```
     ( 396131.5, 3816317.3,     935.1,    1607.3,       0.0);         ( 396158.6,
3816351.3,     936.2,    1607.3,       0.0);
     ( 396185.6, 3816385.4,     938.2,    1607.3,       0.0);         ( 396045.5,
3816217.2,     931.9,    1607.3,       0.0);
     ( 396026.9, 3816202.2,     931.3,    1607.3,       0.0);         ( 396008.4,
3816187.2,     930.2,    1607.3,       0.0);
     ( 395989.9, 3816172.2,     929.2,    1607.3,       0.0);         ( 395971.4,
3816157.2,     929.3,    1607.3,       0.0);
     ( 395952.9, 3816142.2,     929.5,    1607.3,       0.0);         ( 395934.4,
3816127.3,     929.7,    1607.3,       0.0);
     ( 395915.9, 3816112.3,     929.8,    1607.3,       0.0);         ( 395897.3,
3816097.3,     929.5,    1607.3,       0.0);
     ( 395878.8, 3816082.3,     929.3,    1607.3,       0.0);         ( 395860.3,
3816067.3,     929.0,    1607.3,       0.0);
     ( 395841.8, 3816052.3,     928.2,    1607.3,       0.0);         ( 395823.3,
3816037.3,     927.0,    1607.3,       0.0);
     ( 396141.5, 3816172.9,     935.0,    1607.3,       0.0);         ( 396156.2,
3816191.3,     934.6,    1607.3,       0.0);
     ( 396170.8, 3816209.8,     934.7,    1607.3,       0.0);         ( 396185.5,
3816228.2,     935.4,    1607.3,       0.0);
     ( 396200.1, 3816246.6,     936.5,    1607.3,       0.0);         ( 396214.8,
3816265.1,     937.1,    1607.3,       0.0);
     ( 396229.4, 3816283.5,     937.6,    1607.3,       0.0);         ( 396244.0,
3816302.0,     938.4,    1607.3,       0.0);
     ( 396258.7, 3816320.4,     939.0,    1607.3,       0.0);         ( 396273.3,
3816338.8,     939.6,    1607.3,       0.0);
     ( 396288.0, 3816357.3,     940.3,    1607.3,       0.0);         ( 396126.9,
3816154.4,     935.2,    1607.3,       0.0);
     ( 396108.4, 3816139.4,     935.4,    1607.3,       0.0);         ( 396089.9,
3816124.5,     935.4,    1607.3,       0.0);
     ( 396071.3, 3816109.5,     935.4,    1607.3,       0.0);         ( 396052.8,
3816094.5,     935.5,    1607.3,       0.0);
     ( 396034.3, 3816079.5,     935.2,    1607.3,       0.0);         ( 396015.8,
3816064.5,     935.3,    1607.3,       0.0);
     ( 395997.3, 3816049.5,     935.4,    1607.3,       0.0);         ( 395978.8,
3816034.5,     935.3,    1607.3,       0.0);
     ( 395960.3, 3816019.6,     935.7,    1607.3,       0.0);         ( 395941.8,
3816004.6,     936.0,    1607.3,       0.0);
     ( 395923.2, 3815989.6,     937.3,    1607.3,       0.0);         ( 395904.7,
3815974.6,     940.6,    1607.3,       0.0);
     ( 395886.2, 3815959.6,     944.1,    1607.3,       0.0);         ( 396204.3,
3816094.9,     943.5,    1607.3,       0.0);
     ( 396218.8, 3816113.2,     943.3,    1607.3,       0.0);         ( 396233.2,
3816131.4,     940.9,    1607.3,       0.0);
     ( 396247.7, 3816149.7,     939.2,    1607.3,       0.0);         ( 396262.2,
3816167.9,     938.1,    1607.3,       0.0);
     ( 396276.7, 3816186.1,     938.7,    1607.3,       0.0);         ( 396291.2,
3816204.4,     939.1,    1607.3,       0.0);
     ( 396305.7, 3816222.6,     939.6,    1607.3,       0.0);         ( 396320.1,
3816240.9,     940.2,    1607.3,       0.0);
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(396334.6, 3816259.1, 940.8, 1607.3, 0.0); (396349.1, 3816277.3, 941.6, 1607.3, 0.0);

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

(396363.6, 3816295.6, 942.2, 1607.3, 0.0); (396378.1, 3816313.8, 942.8, 1607.3, 0.0);
(396189.8, 3816076.7, 946.0, 1607.3, 0.0); (396171.3, 3816061.7, 950.6, 1607.3, 0.0);
(396152.8, 3816046.7, 947.8, 1607.3, 0.0); (396134.3, 3816031.8, 945.4, 1607.3, 0.0);
(396115.8, 3816016.8, 944.8, 1607.3, 0.0); (396097.2, 3816001.8, 945.4, 1607.3, 0.0);
(396078.7, 3815986.8, 947.3, 1607.3, 0.0); (396060.2, 3815971.8, 944.3, 1607.3, 0.0);
(396041.7, 3815956.8, 942.1, 1607.3, 0.0); (396023.2, 3815941.8, 942.9, 1607.3, 0.0);
(396004.7, 3815926.8, 944.0, 1607.3, 0.0); (395986.2, 3815911.9, 946.6, 1607.3, 0.0);
(395967.7, 3815896.9, 953.9, 1607.3, 0.0); (395949.1, 3815881.9, 957.1, 1607.3, 0.0);
(396267.1, 3816017.1, 962.6, 1607.3, 0.0); (396281.5, 3816035.2, 955.7, 1607.3, 0.0);
(396295.8, 3816053.2, 963.8, 1607.3, 0.0); (396310.2, 3816071.3, 965.1, 1607.3, 0.0);
(396324.5, 3816089.4, 957.9, 1607.3, 0.0); (396338.9, 3816107.5, 957.3, 1607.3, 0.0);
(396353.3, 3816125.6, 957.8, 1607.3, 0.0); (396367.6, 3816143.7, 949.4, 1607.3, 0.0);
(396382.0, 3816161.8, 944.4, 1607.3, 0.0); (396396.3, 3816179.9, 943.5, 1607.3, 0.0);
(396410.7, 3816197.9, 943.4, 1607.3, 0.0); (396425.1, 3816216.0, 944.1, 1607.3, 0.0);
(396439.4, 3816234.1, 944.7, 1607.3, 0.0); (396453.8, 3816252.2, 945.2, 1607.3, 0.0);
(396468.2, 3816270.3, 945.8, 1607.3, 0.0); (396252.7, 3815999.0, 966.8, 1607.3, 0.0);
(396234.2, 3815984.0, 960.5, 1607.3, 0.0); (396215.7, 3815969.0, 956.0, 1607.3, 0.0);
(396197.2, 3815954.0, 958.8, 1607.3, 0.0); (396178.7, 3815939.0, 963.2, 1607.3, 0.0);

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     ( 396160.2, 3815924.1,     963.4,    1607.3,       0.0);         ( 396141.6,
3815909.1,     959.8,    1607.3,       0.0);
     ( 396123.1, 3815894.1,     956.0,    1607.3,       0.0);         ( 396104.6,
3815879.1,     952.2,    1607.3,       0.0);
     ( 396086.1, 3815864.1,     950.2,    1607.3,       0.0);         ( 396067.6,
3815849.1,     949.9,    1607.3,       0.0);
     ( 396049.1, 3815834.1,     951.3,    1607.3,       0.0);         ( 396030.6,
3815819.2,     956.8,    1607.3,       0.0);
     ( 396012.1, 3815804.2,     962.6,    1607.3,       0.0);         ( 396424.2,
3815822.5,    1022.4,    1607.3,       0.0);
     ( 396438.3, 3815840.3,    1027.1,    1607.3,       0.0);         ( 396452.5,
3815858.2,    1031.6,    1607.0,       0.0);
     ( 396466.7, 3815876.0,    1036.6,    1356.4,       0.0);         ( 396480.8,
3815893.8,    1040.8,    1356.4,       0.0);
     ( 396495.0, 3815911.7,    1042.7,    1356.4,       0.0);         ( 396509.2,
3815929.5,    1039.2,    1356.4,       0.0);
     ( 396523.3, 3815947.3,    1032.8,    1607.3,       0.0);         ( 396537.5,
3815965.2,    1024.6,    1607.3,       0.0);
     ( 396551.6, 3815983.0,    1016.1,    1607.3,       0.0);         ( 396565.8,
3816000.8,    1006.5,    1607.3,       0.0);
     ( 396580.0, 3816018.7,     999.2,    1607.3,       0.0);         ( 396594.1,
3816036.5,     992.4,    1607.3,       0.0);
     ( 396608.3, 3816054.3,     988.3,    1607.3,       0.0);         ( 396622.5,
3816072.2,     982.3,    1607.3,       0.0);
     ( 396636.6, 3816090.0,     974.5,    1607.3,       0.0);         ( 396664.9,
3816125.7,     967.2,    1607.3,       0.0);
     ( 396693.3, 3816161.3,     965.2,    1607.3,       0.0);         ( 396410.0,
3815804.7,    1022.6,    1607.3,       0.0);
     ( 396391.5, 3815789.7,    1023.7,    1607.3,       0.0);         ( 396373.0,
3815774.7,    1023.8,    1607.3,       0.0);
     ( 396354.5, 3815759.7,    1026.1,    1607.0,       0.0);         ( 396336.0,
3815744.7,    1023.8,    1607.0,       0.0);
     ( 396317.5, 3815729.8,    1021.3,    1607.3,       0.0);         ( 396299.0,
3815714.8,    1012.8,    1607.3,       0.0);
     ( 396280.4, 3815699.8,    1004.9,    1607.3,       0.0);         ( 396261.9,
3815684.8,     996.1,    1607.3,       0.0);
     ( 396243.4, 3815669.8,     985.6,    1607.3,       0.0);         ( 396224.9,
3815654.8,     978.4,    1607.3,       0.0);
     ( 396206.4, 3815639.8,     977.8,    1607.3,       0.0);         ( 396187.9,
3815624.8,     977.0,    1607.3,       0.0);
     ( 396169.4, 3815609.9,     977.0,    1607.3,       0.0);         ( 396581.9,
3815628.8,    1051.1,    1607.0,       0.0);
     ( 396596.5, 3815647.1,    1060.4,    1356.4,       0.0);         ( 396611.1,
3815665.5,    1069.1,    1356.4,       0.0);
     ( 396625.7, 3815683.9,    1075.0,    1356.4,       0.0);         ( 396640.3,
3815702.3,    1069.3,    1356.4,       0.0);
     ( 396654.9, 3815720.7,    1059.6,    1356.4,       0.0);         ( 396669.5,
3815739.1,    1054.1,    1607.3,       0.0);
     ( 396684.1, 3815757.4,    1048.4,    1607.3,       0.0);         ( 396698.7,
3815775.8,    1045.1,    1607.3,       0.0);
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(396713.3, 3815794.2, 1041.7, 1607.3, 0.0); (396727.9, 3815812.6, 1036.4, 1607.3, 0.0);
(396742.5, 3815831.0, 1030.5, 1607.3, 0.0); (396757.1, 3815849.4, 1024.6, 1607.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(396771.7, 3815867.8, 1021.1, 1607.3, 0.0); (396786.3, 3815886.1, 1017.7, 1607.3, 0.0);
(396844.7, 3815959.7, 1009.6, 1607.3, 0.0); (396873.9, 3815996.4, 1010.7, 1607.3, 0.0);
(396888.5, 3816014.8, 1008.6, 1607.3, 0.0); (396903.1, 3816033.2, 1007.6, 1607.3, 0.0);
(396917.7, 3816051.6, 1008.8, 1607.3, 0.0); (396567.3, 3815610.4, 1043.5, 1607.3, 0.0);
(396548.8, 3815595.4, 1033.9, 1607.3, 0.0); (396530.3, 3815580.4, 1025.4, 1607.3, 0.0);
(396511.8, 3815565.4, 1024.6, 1607.3, 0.0); (396493.3, 3815550.4, 1029.0, 1607.3, 0.0);
(396474.8, 3815535.4, 1032.1, 1607.3, 0.0); (396456.3, 3815520.5, 1037.6, 1607.3, 0.0);
(396437.8, 3815505.5, 1042.5, 1607.0, 0.0); (396419.2, 3815490.5, 1046.3, 1356.4, 0.0);
(396400.7, 3815475.5, 1046.5, 1356.4, 0.0); (396382.2, 3815460.5, 1049.7, 1356.4, 0.0);
(396363.7, 3815445.5, 1055.9, 1356.4, 0.0); (396345.2, 3815430.5, 1061.5, 1356.4, 0.0);
(396326.7, 3815415.6, 1063.3, 1356.4, 0.0); (396739.0, 3815434.2, 1050.0, 1607.3, 0.0);
(396753.5, 3815452.4, 1045.6, 1607.3, 0.0); (396767.9, 3815470.5, 1042.5, 1607.3, 0.0);
(396782.3, 3815488.7, 1039.8, 1607.3, 0.0); (396796.7, 3815506.9, 1037.3, 1607.3, 0.0);
(396811.1, 3815525.0, 1035.3, 1607.3, 0.0); (396825.6, 3815543.2, 1032.8, 1607.3, 0.0);
(396840.0, 3815561.3, 1030.3, 1607.3, 0.0); (396854.4, 3815579.5, 1027.1, 1607.3, 0.0);
(396868.8, 3815597.6, 1024.1, 1607.3, 0.0); (396883.2, 3815615.8, 1020.8, 1607.3, 0.0);
(396897.7, 3815634.0, 1017.8, 1607.3, 0.0); (396912.1, 3815652.1, 1014.9, 1607.3, 0.0);

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     ( 396926.5, 3815670.3,    1012.2,    1607.3,       0.0);         ( 396940.9,
3815688.4,    1010.1,    1607.3,       0.0);
     ( 396998.6, 3815761.1,    1008.8,    1607.3,       0.0);         ( 397027.4,
3815797.4,    1003.7,    1607.3,       0.0);
     ( 397041.8, 3815815.5,     997.5,    1607.3,       0.0);         ( 397056.3,
3815833.7,     988.1,    1607.3,       0.0);
     ( 397070.7, 3815851.8,     982.4,    1607.3,       0.0);         ( 397085.1,
3815870.0,     980.9,    1607.3,       0.0);
     ( 397099.5, 3815888.2,     980.4,    1607.3,       0.0);         ( 397114.0,
3815906.3,     980.2,    1607.3,       0.0);
     ( 397128.4, 3815924.5,     979.6,    1607.3,       0.0);         ( 397142.8,
3815942.6,     979.0,    1607.3,       0.0);
     ( 396724.6, 3815416.1,    1054.1,    1607.3,       0.0);         ( 396706.1,
3815401.1,    1060.6,    1607.3,       0.0);
     ( 396687.6, 3815386.1,    1066.2,    1607.3,       0.0);         ( 396669.1,
3815371.1,    1072.8,    1356.4,       0.0);
     ( 396650.6, 3815356.1,    1077.7,    1356.4,       0.0);         ( 396632.1,
3815341.1,    1083.9,    1356.4,       0.0);
     ( 396613.6, 3815326.1,    1090.5,    1356.4,       0.0);         ( 396595.0,
3815311.2,    1098.2,    1356.4,       0.0);
     ( 396576.5, 3815296.2,    1109.9,    1356.4,       0.0);         ( 396558.0,
3815281.2,    1120.5,    1356.4,       0.0);
     ( 396539.5, 3815266.2,    1120.0,    1356.4,       0.0);         ( 396521.0,
3815251.2,    1110.0,    1356.4,       0.0);
     ( 396502.5, 3815236.2,    1100.6,    1356.4,       0.0);         ( 396484.0,
3815221.2,    1090.0,    1356.4,       0.0);
     ( 396896.6, 3815240.3,    1045.0,    1607.3,       0.0);         ( 396911.4,
3815258.8,    1042.2,    1607.3,       0.0);
     ( 396926.1, 3815277.3,    1038.2,    1607.3,       0.0);         ( 396940.8,
3815295.9,    1034.7,    1607.3,       0.0);
     ( 396955.5, 3815314.4,    1031.3,    1607.3,       0.0);         ( 396970.2,
3815332.9,    1028.4,    1607.3,       0.0);
     ( 396984.9, 3815351.4,    1025.7,    1607.3,       0.0);         ( 396999.6,
3815370.0,    1023.7,    1607.3,       0.0);
     ( 397014.3, 3815388.5,    1021.8,    1607.3,       0.0);         ( 397029.0,
3815407.0,    1020.3,    1607.3,       0.0);
     ( 397043.8, 3815425.5,    1019.7,    1607.3,       0.0);         ( 397058.5,
3815444.1,    1019.9,    1607.3,       0.0);
     ( 397073.2, 3815462.6,    1019.9,    1607.3,       0.0);         ( 397087.9,
3815481.1,    1018.0,    1607.3,       0.0);
     ( 397102.6, 3815499.6,    1009.3,    1607.3,       0.0);         ( 397161.4,
3815573.7,     990.6,    1607.3,       0.0);
     ( 397176.1, 3815592.3,     990.7,    1607.3,       0.0);         ( 397190.9,
3815610.8,     990.7,    1607.3,       0.0);
     ( 397205.6, 3815629.3,     990.6,    1607.3,       0.0);         ( 397220.3,
3815647.8,     990.3,    1607.3,       0.0);
     ( 397235.0, 3815666.4,     989.8,    1607.3,       0.0);         ( 397249.7,
3815684.9,     989.6,    1607.3,       0.0);
     ( 397264.4, 3815703.4,     989.5,    1607.3,       0.0);         ( 397279.1,
3815721.9,     988.7,    1607.3,       0.0);
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(397293.8, 3815740.5, 988.2, 1607.3, 0.0); (397308.5, 3815759.0, 990.4, 1607.3, 0.0);
(397323.2, 3815777.5, 992.5, 1607.3, 0.0); (397338.0, 3815796.0, 993.7, 1607.3, 0.0);
(397352.7, 3815814.6, 993.2, 1607.3, 0.0); (396881.9, 3815221.8, 1047.8, 1607.3, 0.0);

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

(396863.4, 3815206.8, 1051.9, 1607.3, 0.0); (396844.9, 3815191.8, 1055.0, 1607.3, 0.0);
(396826.4, 3815176.8, 1057.4, 1607.3, 0.0); (396807.9, 3815161.8, 1060.1, 1607.3, 0.0);
(396789.4, 3815146.8, 1064.1, 1607.3, 0.0); (396770.9, 3815131.8, 1067.3, 1607.3, 0.0);
(396752.4, 3815116.9, 1070.3, 1607.3, 0.0); (396733.8, 3815101.9, 1072.6, 1607.3, 0.0);
(396715.3, 3815086.9, 1075.7, 1607.3, 0.0); (396696.8, 3815071.9, 1079.6, 1607.0, 0.0);
(396678.3, 3815056.9, 1085.9, 1356.4, 0.0); (396659.8, 3815041.9, 1093.3, 1356.4, 0.0);
(396641.3, 3815026.9, 1099.1, 1356.4, 0.0); (397211.3, 3814851.8, 1041.0, 1607.3, 0.0);
(397226.1, 3814870.4, 1039.8, 1607.3, 0.0); (397240.9, 3814889.0, 1037.0, 1607.3, 0.0);
(397255.6, 3814907.6, 1033.2, 1607.3, 0.0); (397270.4, 3814926.2, 1032.8, 1607.3, 0.0);
(397285.2, 3814944.8, 1028.8, 1607.3, 0.0); (397300.0, 3814963.4, 1029.7, 1607.3, 0.0);
(397314.8, 3814982.0, 1026.8, 1607.3, 0.0); (397329.5, 3815000.6, 1020.7, 1607.3, 0.0);
(397344.3, 3815019.2, 1021.3, 1607.3, 0.0); (397359.1, 3815037.8, 1021.4, 1607.3, 0.0);
(397373.8, 3815056.4, 1015.5, 1607.3, 0.0); (397388.6, 3815075.0, 1012.7, 1607.3, 0.0);
(397403.4, 3815093.6, 1012.2, 1607.3, 0.0); (397462.5, 3815168.1, 1012.9, 1607.3, 0.0);
(397492.0, 3815205.3, 1013.5, 1607.3, 0.0); (397506.8, 3815223.9, 1013.9, 1607.3, 0.0);
(397521.6, 3815242.5, 1015.3, 1607.3, 0.0); (397536.4, 3815261.1, 1017.8, 1607.3, 0.0);

```
     ( 397551.1, 3815279.7,    1024.0,    1607.3,       0.0);         ( 397565.9,
3815298.3,    1030.9,    1607.3,       0.0);
     ( 397580.7, 3815316.9,    1035.7,    1607.3,       0.0);         ( 397595.5,
3815335.5,    1035.1,    1607.3,       0.0);
     ( 397610.2, 3815354.1,    1029.5,    1607.3,       0.0);         ( 397625.0,
3815372.7,    1029.1,    1607.3,       0.0);
     ( 397639.8, 3815391.3,    1034.5,    1607.3,       0.0);         ( 397654.6,
3815409.9,    1034.6,    1607.3,       0.0);
     ( 397669.3, 3815428.5,    1032.2,    1607.3,       0.0);         ( 397684.1,
3815447.1,    1032.4,    1607.3,       0.0);
     ( 397698.9, 3815465.8,    1030.4,    1607.3,       0.0);         ( 397713.7,
3815484.4,    1034.2,    1607.3,       0.0);
     ( 397728.5, 3815503.0,    1036.8,    1607.3,       0.0);         ( 397743.2,
3815521.6,    1042.3,    1607.3,       0.0);
     ( 397758.0, 3815540.2,    1046.5,    1607.3,       0.0);         ( 397772.8,
3815558.8,    1047.4,    1607.3,       0.0);
     ( 397196.5, 3814833.1,    1043.6,    1607.3,       0.0);         ( 397178.0,
3814818.2,    1047.9,    1607.3,       0.0);
     ( 397159.5, 3814803.2,    1049.7,    1607.3,       0.0);         ( 397141.0,
3814788.2,    1051.5,    1607.3,       0.0);
     ( 397122.5, 3814773.2,    1053.3,    1607.3,       0.0);         ( 397104.0,
3814758.2,    1055.1,    1607.3,       0.0);
     ( 397085.5, 3814743.2,    1056.9,    1607.3,       0.0);         ( 397067.0,
3814728.2,    1058.7,    1607.3,       0.0);
     ( 397048.5, 3814713.3,    1060.1,    1607.3,       0.0);         ( 397029.9,
3814698.3,    1060.2,    1607.3,       0.0);
     ( 397011.4, 3814683.3,    1060.9,    1607.3,       0.0);         ( 396992.9,
3814668.3,    1061.7,    1607.3,       0.0);
     ( 396974.4, 3814653.3,    1061.0,    1607.3,       0.0);         ( 396955.9,
3814638.3,    1065.6,    1607.3,       0.0);
     ( 397525.7, 3814462.8,    1036.2,    1709.0,       0.0);         ( 397540.2,
3814481.1,    1035.9,    1709.0,       0.0);
     ( 397554.8, 3814499.4,    1035.7,    1709.0,       0.0);         ( 397569.3,
3814517.8,    1035.1,    1709.0,       0.0);
     ( 397583.8, 3814536.1,    1034.4,    1709.0,       0.0);         ( 397598.4,
3814554.4,    1033.6,    1709.0,       0.0);
     ( 397612.9, 3814572.7,    1032.8,    1709.0,       0.0);         ( 397627.5,
3814591.0,    1032.0,    1709.0,       0.0);
     ( 397642.0, 3814609.3,    1031.2,    1709.0,       0.0);         ( 397656.5,
3814627.6,    1030.9,    1709.0,       0.0);
     ( 397671.1, 3814645.9,    1030.4,    1709.0,       0.0);         ( 397685.6,
3814664.2,    1029.7,    1709.0,       0.0);
     ( 397700.1, 3814682.5,    1029.7,    1709.0,       0.0);         ( 397714.7,
3814700.8,    1030.5,    1709.0,       0.0);
     ( 397743.8, 3814737.4,    1032.9,    1709.0,       0.0);         ( 397772.8,
3814774.1,    1033.8,    1709.0,       0.0);
     ( 397787.4, 3814792.4,    1034.5,    1709.0,       0.0);         ( 397801.9,
3814810.7,    1038.3,    1709.0,       0.0);
     ( 397816.5, 3814829.0,    1040.0,    1709.0,       0.0);         ( 397831.0,
3814847.3,    1039.2,    1709.0,       0.0);
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(397845.5, 3814865.6, 1039.2, 1709.0, 0.0); (397860.1, 3814883.9, 1040.1, 1709.0, 0.0);
(397874.6, 3814902.2, 1041.2, 1709.0, 0.0); (397889.1, 3814920.5, 1044.1, 1709.0, 0.0);
(397903.7, 3814938.8, 1047.5, 1709.0, 0.0); (397918.2, 3814957.1, 1049.1, 1709.0, 0.0);
(397932.8, 3814975.4, 1052.4, 1607.3, 0.0); (397947.3, 3814993.8, 1057.4, 1607.3, 0.0);

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

(397961.8, 3815012.1, 1061.3, 1607.3, 0.0); (397976.4, 3815030.4, 1061.9, 1607.3, 0.0);
(397990.9, 3815048.7, 1061.0, 1607.3, 0.0); (398005.4, 3815067.0, 1061.0, 1607.3, 0.0);
(398020.0, 3815085.3, 1062.0, 1607.3, 0.0); (398034.5, 3815103.6, 1062.7, 1607.3, 0.0);
(398049.1, 3815121.9, 1061.8, 1607.3, 0.0); (398063.6, 3815140.2, 1064.0, 1607.3, 0.0);
(398078.1, 3815158.5, 1065.8, 1607.3, 0.0); (398092.7, 3815176.8, 1065.8, 1607.3, 0.0);
(398107.2, 3815195.1, 1067.4, 1607.3, 0.0); (398121.8, 3815213.4, 1071.2, 1607.3, 0.0);
(398136.3, 3815231.8, 1073.7, 1607.3, 0.0); (398150.8, 3815250.1, 1075.2, 1607.3, 0.0);
(398165.4, 3815268.4, 1076.4, 1607.3, 0.0); (398179.9, 3815286.7, 1077.3, 1607.3, 0.0);
(398194.4, 3815305.0, 1076.0, 1607.3, 0.0); (398209.0, 3815323.3, 1079.6, 1607.3, 0.0);
(397511.1, 3814444.5, 1036.7, 1709.0, 0.0); (397492.6, 3814429.5, 1037.9, 1709.0, 0.0);
(397474.1, 3814414.6, 1039.5, 1709.0, 0.0); (397455.6, 3814399.6, 1046.5, 1709.0, 0.0);
(397437.1, 3814384.6, 1052.6, 1709.0, 0.0); (397418.6, 3814369.6, 1053.7, 1709.0, 0.0);
(397400.1, 3814354.6, 1051.4, 1709.0, 0.0); (397381.6, 3814339.6, 1052.5, 1709.0, 0.0);
(397363.1, 3814324.6, 1055.1, 1709.0, 0.0); (397344.5, 3814309.6, 1060.0, 1709.0, 0.0);
(397326.0, 3814294.7, 1067.3, 1709.0, 0.0); (397307.5, 3814279.7, 1076.9, 1607.3, 0.0);

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     ( 397289.0, 3814264.7,    1086.1,    1607.3,       0.0);         ( 397270.5,
3814249.7,    1094.8,    1607.3,       0.0);
     ( 397840.4, 3814074.3,    1069.8,    1709.0,       0.0);         ( 397855.0,
3814092.7,    1074.3,    1709.0,       0.0);
     ( 397869.6, 3814111.1,    1072.6,    1709.0,       0.0);         ( 397884.2,
3814129.5,    1066.6,    1709.0,       0.0);
     ( 397898.8, 3814147.9,    1064.6,    1709.0,       0.0);         ( 397913.4,
3814166.3,    1064.5,    1709.0,       0.0);
     ( 397928.0, 3814184.7,    1065.3,    1709.0,       0.0);         ( 397942.6,
3814203.1,    1066.4,    1709.0,       0.0);
     ( 397957.2, 3814221.5,    1068.3,    1709.0,       0.0);         ( 397971.8,
3814239.9,    1072.8,    1709.0,       0.0);
     ( 397986.4, 3814258.3,    1079.4,    1709.0,       0.0);         ( 398001.0,
3814276.7,    1080.1,    1709.0,       0.0);
     ( 398015.7, 3814295.1,    1086.5,    1709.0,       0.0);         ( 398030.3,
3814313.4,    1099.5,    1709.0,       0.0);
     ( 398059.5, 3814350.2,    1120.4,    1607.3,       0.0);         ( 398088.7,
3814387.0,    1140.0,    1607.3,       0.0);
     ( 398103.3, 3814405.4,    1149.0,    1607.3,       0.0);         ( 398117.9,
3814423.8,    1155.9,    1607.3,       0.0);
     ( 398132.5, 3814442.2,    1162.1,    1607.3,       0.0);         ( 398147.1,
3814460.6,    1161.3,    1607.3,       0.0);
     ( 398161.7, 3814479.0,    1161.8,    1607.3,       0.0);         ( 398176.3,
3814497.4,    1160.7,    1607.3,       0.0);
     ( 398191.0, 3814515.8,    1159.6,    1607.3,       0.0);         ( 398205.6,
3814534.2,    1157.6,    1607.3,       0.0);
     ( 398220.2, 3814552.6,    1153.6,    1607.3,       0.0);         ( 398234.8,
3814571.0,    1148.6,    1607.3,       0.0);
     ( 398249.4, 3814589.4,    1146.0,    1607.3,       0.0);         ( 398264.0,
3814607.8,    1145.2,    1607.3,       0.0);
     ( 398278.6, 3814626.2,    1142.4,    1607.3,       0.0);         ( 398293.2,
3814644.6,    1140.2,    1607.3,       0.0);
     ( 398307.8, 3814663.0,    1137.2,    1607.3,       0.0);         ( 398322.4,
3814681.4,    1134.7,    1607.3,       0.0);
     ( 398337.0, 3814699.8,    1130.6,    1607.3,       0.0);         ( 398351.6,
3814718.2,    1125.8,    1607.3,       0.0);
     ( 398366.2, 3814736.5,    1121.7,    1607.3,       0.0);         ( 398380.9,
3814754.9,    1117.3,    1607.3,       0.0);
     ( 398395.5, 3814773.3,    1114.5,    1607.3,       0.0);         ( 398410.1,
3814791.7,    1108.3,    1607.3,       0.0);
     ( 398424.7, 3814810.1,    1107.9,    1607.3,       0.0);         ( 398439.3,
3814828.5,    1114.2,    1607.3,       0.0);
     ( 398453.9, 3814846.9,    1119.0,    1607.3,       0.0);         ( 398468.5,
3814865.3,    1124.1,    1607.3,       0.0);
     ( 398483.1, 3814883.7,    1124.4,    1607.3,       0.0);         ( 398497.7,
3814902.1,    1124.6,    1607.3,       0.0);
     ( 398512.3, 3814920.5,    1125.5,    1607.3,       0.0);         ( 398526.9,
3814938.9,    1123.2,    1607.3,       0.0);
     ( 398541.5, 3814957.3,    1120.4,    1607.3,       0.0);         ( 398556.2,
3814975.7,    1119.5,    1607.3,       0.0);
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(398570.8, 3814994.1, 1116.4, 1607.3, 0.0); (398585.4, 3815012.5, 1112.7, 1607.3, 0.0);
(398600.0, 3815030.9, 1111.3, 1607.3, 0.0); (398614.6, 3815049.3, 1109.3, 1607.3, 0.0);
(398629.2, 3815067.7, 1106.3, 1607.3, 0.0); (398643.8, 3815086.1, 1103.6, 1607.3, 0.0);
(397825.8, 3814055.9, 1064.2, 1709.0, 0.0); (397807.2, 3814040.9, 1062.6, 1709.0, 0.0);
(397788.7, 3814025.9, 1065.3, 1709.0, 0.0); (397770.2, 3814010.9, 1067.5, 1709.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(397751.7, 3813996.0, 1063.8, 1709.0, 0.0); (397733.2, 3813981.0, 1061.4, 1709.0, 0.0);
(397714.7, 3813966.0, 1057.0, 1709.0, 0.0); (397696.2, 3813951.0, 1056.6, 2083.7, 0.0);
(397677.7, 3813936.0, 1057.4, 1709.0, 0.0); (397659.1, 3813921.0, 1058.2, 1709.0, 0.0);
(397640.6, 3813906.0, 1058.8, 1709.0, 0.0); (397622.1, 3813891.1, 1059.7, 1709.0, 0.0);
(397603.6, 3813876.1, 1061.2, 1709.0, 0.0); (397585.1, 3813861.1, 1063.8, 1709.0, 0.0);
(398155.0, 3813685.8, 1086.3, 2084.7, 0.0); (398169.7, 3813704.2, 1088.4, 2084.7, 0.0);
(398184.3, 3813722.7, 1090.1, 2084.7, 0.0); (398199.0, 3813741.1, 1092.3, 2084.7, 0.0);
(398213.7, 3813759.6, 1093.9, 2084.7, 0.0); (398228.3, 3813778.1, 1096.1, 2084.7, 0.0);
(398243.0, 3813796.5, 1098.3, 2083.7, 0.0); (398257.6, 3813815.0, 1103.5, 1709.0, 0.0);
(398272.3, 3813833.4, 1111.3, 1709.0, 0.0); (398287.0, 3813851.9, 1122.2, 1709.0, 0.0);
(398301.6, 3813870.4, 1130.9, 1709.0, 0.0); (398316.3, 3813888.8, 1142.5, 1709.0, 0.0);
(398331.0, 3813907.3, 1150.3, 1709.0, 0.0); (398345.6, 3813925.8, 1159.7, 1708.0, 0.0);
(398360.3, 3813944.2, 1171.6, 1607.3, 0.0); (398374.9, 3813962.7, 1181.3, 1607.3, 0.0);
(398389.6, 3813981.1, 1188.5, 1607.3, 0.0); (398404.2, 3813999.6, 1197.2, 1607.3, 0.0);

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     ( 398418.9, 3814018.1,    1205.5,    1607.3,       0.0);         ( 398433.6,
3814036.5,    1210.1,    1607.3,       0.0);
     ( 398448.2, 3814055.0,    1217.2,    1607.3,       0.0);         ( 398462.9,
3814073.4,    1226.3,    1607.3,       0.0);
     ( 398477.5, 3814091.9,    1231.4,    1607.3,       0.0);         ( 398492.2,
3814110.4,    1235.1,    1607.3,       0.0);
     ( 398506.9, 3814128.8,    1238.8,    1607.3,       0.0);         ( 398521.5,
3814147.3,    1243.7,    1607.3,       0.0);
     ( 398536.2, 3814165.8,    1242.6,    1607.3,       0.0);         ( 398550.8,
3814184.2,    1242.5,    1607.3,       0.0);
     ( 398565.5, 3814202.7,    1245.1,    1607.3,       0.0);         ( 398580.2,
3814221.1,    1247.3,    1607.3,       0.0);
     ( 398594.8, 3814239.6,    1245.6,    1607.3,       0.0);         ( 398609.5,
3814258.1,    1244.1,    1607.3,       0.0);
     ( 398624.1, 3814276.5,    1243.5,    1607.3,       0.0);         ( 398638.8,
3814295.0,    1248.7,    1607.3,       0.0);
     ( 398653.5, 3814313.4,    1259.8,    1607.3,       0.0);         ( 398668.1,
3814331.9,    1271.1,    1607.3,       0.0);
     ( 398682.8, 3814350.4,    1284.0,    1607.3,       0.0);         ( 398697.5,
3814368.8,    1294.4,    1314.6,       0.0);
     ( 398712.1, 3814387.3,    1304.5,    1314.6,       0.0);         ( 398726.8,
3814405.8,    1314.0,    1314.6,       0.0);
     ( 398741.4, 3814424.2,    1310.2,    1314.6,       0.0);         ( 398756.1,
3814442.7,    1305.7,    1314.6,       0.0);
     ( 398770.8, 3814461.1,    1296.6,    1607.0,       0.0);         ( 398785.4,
3814479.6,    1289.2,    1607.3,       0.0);
     ( 398800.1, 3814498.1,    1280.7,    1607.3,       0.0);         ( 398814.7,
3814516.5,    1274.2,    1607.3,       0.0);
     ( 398829.4, 3814535.0,    1274.1,    1607.3,       0.0);         ( 398844.0,
3814553.4,    1274.9,    1607.3,       0.0);
     ( 398858.7, 3814571.9,    1271.2,    1607.3,       0.0);         ( 398873.4,
3814590.4,    1260.2,    1607.3,       0.0);
     ( 398888.0, 3814608.8,    1246.6,    1607.3,       0.0);         ( 398902.7,
3814627.3,    1234.0,    1607.3,       0.0);
     ( 398917.3, 3814645.8,    1221.4,    1607.3,       0.0);         ( 398932.0,
3814664.2,    1209.8,    1607.3,       0.0);
     ( 398946.7, 3814682.7,    1197.8,    1607.3,       0.0);         ( 398961.3,
3814701.1,    1188.0,    1607.3,       0.0);
     ( 398976.0, 3814719.6,    1178.8,    1607.3,       0.0);         ( 398990.6,
3814738.1,    1171.4,    1607.3,       0.0);
     ( 399005.3, 3814756.5,    1173.3,    1607.3,       0.0);         ( 399020.0,
3814775.0,    1177.9,    1607.3,       0.0);
     ( 399034.6, 3814793.4,    1181.3,    1607.3,       0.0);         ( 399049.3,
3814811.9,    1185.2,    1607.3,       0.0);
     ( 399064.0, 3814830.4,    1187.9,    1607.3,       0.0);         ( 399078.6,
3814848.8,    1187.5,    1607.3,       0.0);
     ( 399093.3, 3814867.3,    1185.5,    1607.3,       0.0);         ( 398140.4,
3813667.3,    1084.5,    2084.7,       0.0);
     ( 398121.8, 3813652.3,    1082.8,    2084.7,       0.0);         ( 398103.3,
3813637.3,    1081.5,    2084.7,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399008.8, 3812668.1, 1155.5, 2170.7, 0.0); (399023.6,
3812686.7, 1156.3, 2170.7, 0.0);
(399038.3, 3812705.3, 1159.4, 2170.7, 0.0); (399053.1,
3812723.9, 1162.0, 2170.7, 0.0);
(399067.8, 3812742.4, 1164.7, 2170.7, 0.0); (399082.6,
3812761.0, 1167.0, 2170.7, 0.0);
(399097.3, 3812779.6, 1166.7, 2170.7, 0.0); (399112.1,
3812798.2, 1174.0, 2170.7, 0.0);
(399126.8, 3812816.8, 1174.9, 2170.7, 0.0); (399141.6,
3812835.3, 1175.5, 2170.7, 0.0);
(399156.3, 3812853.9, 1174.8, 2170.7, 0.0); (399171.1,
3812872.5, 1174.6, 2170.7, 0.0);
(399185.8, 3812891.0, 1172.6, 2170.7, 0.0); (399200.6,
3812909.6, 1167.8, 2170.7, 0.0);
(399215.3, 3812928.2, 1168.2, 2170.7, 0.0); (399230.1,
3812946.8, 1171.1, 2170.7, 0.0);
(399244.8, 3812965.3, 1174.1, 2170.7, 0.0); (399259.6,
3812983.9, 1173.3, 2170.7, 0.0);
(399274.3, 3813002.5, 1169.0, 2170.7, 0.0); (399289.1,
3813021.1, 1165.7, 2170.7, 0.0);
(399303.8, 3813039.6, 1163.5, 2170.7, 0.0); (399318.6,
3813058.2, 1167.2, 2170.7, 0.0);
(399333.3, 3813076.8, 1167.9, 2170.7, 0.0); (399348.1,
3813095.4, 1168.9, 2170.7, 0.0);
(399362.8, 3813114.0, 1169.1, 2170.7, 0.0); (399377.6,
3813132.5, 1167.1, 2170.7, 0.0);

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     ( 399392.3, 3813151.1,    1170.6,    2170.7,       0.0);         ( 399407.1,
3813169.7,    1171.4,    2170.7,       0.0);
     ( 399421.8, 3813188.3,    1172.1,    2170.7,       0.0);         ( 399436.6,
3813206.8,    1172.2,    2170.7,       0.0);
     ( 399451.3, 3813225.4,    1171.8,    2170.7,       0.0);         ( 399466.1,
3813244.0,    1172.6,    2170.7,       0.0);
     ( 399480.8, 3813262.6,    1172.8,    2170.7,       0.0);         ( 399495.6,
3813281.1,    1172.7,    2170.7,       0.0);
     ( 399510.3, 3813299.7,    1172.4,    2170.7,       0.0);         ( 399525.1,
3813318.3,    1170.5,    2170.7,       0.0);
     ( 399539.9, 3813336.9,    1171.0,    2170.7,       0.0);         ( 399554.6,
3813355.4,    1172.0,    2170.7,       0.0);
     ( 399569.4, 3813374.0,    1173.0,    2170.7,       0.0);         ( 399584.1,
3813392.6,    1175.4,    2170.7,       0.0);
     ( 399598.9, 3813411.2,    1176.8,    2084.7,       0.0);         ( 399613.6,
3813429.8,    1184.7,    2084.7,       0.0);
     ( 399628.4, 3813448.3,    1189.4,    2084.7,       0.0);         ( 399643.1,
3813466.9,    1191.7,    2084.7,       0.0);
     ( 399657.9, 3813485.5,    1193.5,    2084.7,       0.0);         ( 399672.6,
3813504.0,    1195.8,    2083.7,       0.0);
     ( 399687.4, 3813522.6,    1197.3,    1793.5,       0.0);         ( 399702.1,
3813541.2,    1198.9,    1793.5,       0.0);
     ( 399716.9, 3813559.8,    1200.3,    1793.5,       0.0);         ( 399731.6,
3813578.3,    1201.6,    1793.5,       0.0);
     ( 399746.4, 3813596.9,    1202.8,    1709.0,       0.0);         ( 399761.1,
3813615.5,    1203.8,    1709.0,       0.0);
     ( 399775.9, 3813634.1,    1202.7,    1709.0,       0.0);         ( 399790.6,
3813652.7,    1203.2,    1709.0,       0.0);
     ( 399805.4, 3813671.2,    1198.9,    1793.5,       0.0);         ( 399820.1,
3813689.8,    1194.8,    1793.5,       0.0);
     ( 399834.9, 3813708.4,    1192.2,    1793.5,       0.0);         ( 399849.6,
3813727.0,    1191.9,    1793.5,       0.0);
     ( 399864.4, 3813745.5,    1193.0,    1793.5,       0.0);         ( 399879.1,
3813764.1,    1193.5,    1793.5,       0.0);
     ( 399893.9, 3813782.7,    1194.2,    1709.0,       0.0);         ( 399908.6,
3813801.3,    1195.5,    1709.0,       0.0);
     ( 399923.4, 3813819.8,    1196.5,    1709.0,       0.0);         ( 399938.1,
3813838.4,    1197.0,    1709.0,       0.0);
     ( 399952.9, 3813857.0,    1198.4,    1709.0,       0.0);         ( 399967.6,
3813875.6,    1201.4,    1709.0,       0.0);
     ( 399982.4, 3813894.1,    1203.4,    1709.0,       0.0);         ( 399997.1,
3813912.7,    1208.3,    1709.0,       0.0);
     ( 400011.9, 3813931.3,    1209.9,    1709.0,       0.0);         ( 400026.6,
3813949.9,    1212.1,    1709.0,       0.0);
     ( 400041.4, 3813968.4,    1213.3,    1709.0,       0.0);         ( 400056.1,
3813987.0,    1213.4,    1709.0,       0.0);
     ( 400070.9, 3814005.6,    1215.7,    1709.0,       0.0);         ( 400085.6,
3814024.2,    1217.2,    1709.0,       0.0);
     ( 400100.4, 3814042.8,    1219.1,    1709.0,       0.0);         ( 400115.1,
3814061.3,    1221.2,    1709.0,       0.0);
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(400129.9, 3814079.9, 1222.3, 1709.0, 0.0); (400144.6, 3814098.5, 1225.6, 1607.3, 0.0);
(400159.4, 3814117.0, 1226.8, 1607.3, 0.0); (400174.1, 3814135.6, 1232.4, 1607.3, 0.0);
(400188.9, 3814154.2, 1237.5, 1607.3, 0.0); (400203.6, 3814172.8, 1238.2, 1607.3, 0.0);
(400218.4, 3814191.4, 1243.3, 1607.3, 0.0); (400233.1, 3814209.9, 1248.1, 1607.3, 0.0);
(400247.9, 3814228.5, 1248.6, 1607.3, 0.0); (400262.7, 3814247.1, 1248.7, 1607.3, 0.0);
(400277.4, 3814265.7, 1247.3, 1607.3, 0.0); (400292.2, 3814284.2, 1250.3, 1607.3, 0.0);
(400306.9, 3814302.8, 1250.8, 1607.3, 0.0); (400321.7, 3814321.4, 1252.3, 1607.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(400336.4, 3814340.0, 1257.0, 1607.3, 0.0); (400351.2, 3814358.5, 1266.9, 1607.3, 0.0);
(400365.9, 3814377.1, 1274.5, 1607.3, 0.0); (398979.3, 3812631.0, 1156.7, 2170.7, 0.0);
(398960.8, 3812616.0, 1154.9, 2170.7, 0.0); (398942.3, 3812601.0, 1150.8, 2170.7, 0.0);
(398923.8, 3812586.0, 1148.4, 2170.7, 0.0); (398905.3, 3812571.0, 1144.2, 2170.7, 0.0);
(398886.8, 3812556.1, 1138.6, 2170.7, 0.0); (398868.2, 3812541.1, 1138.8, 2170.7, 0.0);
(398849.7, 3812526.1, 1137.2, 2170.7, 0.0); (398831.2, 3812511.1, 1137.1, 2170.7, 0.0);
(398812.7, 3812496.1, 1137.1, 2170.7, 0.0); (398794.2, 3812481.1, 1137.1, 2170.7, 0.0);
(398775.7, 3812466.1, 1136.8, 2170.7, 0.0); (398757.2, 3812451.1, 1138.4, 2170.7, 0.0);
(398738.7, 3812436.2, 1143.1, 2170.7, 0.0); (399833.1, 3811613.3, 1210.6, 2170.7, 0.0);
(399847.9, 3811632.0, 1204.0, 2170.7, 0.0); (399862.7, 3811650.6, 1202.0, 2170.7, 0.0);
(399877.5, 3811669.2, 1202.6, 2170.7, 0.0); (399892.3, 3811687.9, 1204.6, 2170.7, 0.0);
(399907.1, 3811706.5, 1209.6, 2170.7, 0.0); (399921.9, 3811725.2, 1213.8, 2170.7, 0.0);

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    ( 399936.7, 3811743.8,    1217.0,    2170.7,       0.0);         ( 399951.5,
3811762.5,    1218.5,    2170.7,       0.0);
    ( 399966.3, 3811781.1,    1220.7,    2170.7,       0.0);         ( 399981.1,
3811799.8,    1223.2,    2170.7,       0.0);
    ( 399995.9, 3811818.4,    1225.7,    2170.7,       0.0);         ( 400010.7,
3811837.0,    1228.5,    2170.7,       0.0);
    ( 400025.5, 3811855.7,    1231.3,    2170.7,       0.0);         ( 400040.3,
3811874.3,    1235.0,    2170.7,       0.0);
    ( 400055.1, 3811893.0,    1239.3,    2170.7,       0.0);         ( 400070.0,
3811911.6,    1246.0,    2170.7,       0.0);
    ( 400084.8, 3811930.3,    1255.1,    2170.7,       0.0);         ( 400099.6,
3811948.9,    1266.7,    2170.7,       0.0);
    ( 400114.4, 3811967.6,    1277.9,    2170.7,       0.0);         ( 400129.2,
3811986.2,    1288.5,    2170.7,       0.0);
    ( 400144.0, 3812004.8,    1293.2,    2170.7,       0.0);         ( 400158.8,
3812023.5,    1298.5,    2170.7,       0.0);
    ( 400173.6, 3812042.1,    1298.9,    2170.7,       0.0);         ( 400188.4,
3812060.8,    1299.4,    2170.7,       0.0);
    ( 400203.2, 3812079.4,    1301.0,    2170.7,       0.0);         ( 400218.0,
3812098.1,    1304.5,    2170.7,       0.0);
    ( 400232.8, 3812116.7,    1307.3,    2170.7,       0.0);         ( 400247.6,
3812135.4,    1306.3,    2170.7,       0.0);
    ( 400262.4, 3812154.0,    1307.4,    2170.7,       0.0);         ( 400277.2,
3812172.6,    1308.3,    2170.7,       0.0);
    ( 400292.0, 3812191.3,    1316.0,    2084.7,       0.0);         ( 400306.8,
3812209.9,    1321.0,    2084.7,       0.0);
    ( 400321.6, 3812228.6,    1321.8,    2084.7,       0.0);         ( 400336.5,
3812247.2,    1323.4,    2084.7,       0.0);
    ( 400351.3, 3812265.9,    1325.1,    2084.7,       0.0);         ( 400366.1,
3812284.5,    1327.6,    2084.7,       0.0);
    ( 400380.9, 3812303.1,    1331.1,    2084.7,       0.0);         ( 400395.7,
3812321.8,    1331.0,    2084.7,       0.0);
    ( 400410.5, 3812340.4,    1332.9,    2083.7,       0.0);         ( 400425.3,
3812359.1,    1333.4,    1793.5,       0.0);
    ( 400440.1, 3812377.7,    1335.7,    1793.5,       0.0);         ( 400454.9,
3812396.4,    1338.7,    1793.5,       0.0);
    ( 400469.7, 3812415.0,    1344.6,    1709.0,       0.0);         ( 400484.5,
3812433.7,    1347.5,    1709.0,       0.0);
    ( 400499.3, 3812452.3,    1349.1,    1709.0,       0.0);         ( 400514.1,
3812470.9,    1341.4,    1709.0,       0.0);
    ( 400528.9, 3812489.6,    1332.6,    1793.5,       0.0);         ( 400543.7,
3812508.2,    1322.2,    2083.7,       0.0);
    ( 400558.5, 3812526.9,    1319.5,    2083.7,       0.0);         ( 400573.3,
3812545.5,    1311.8,    2084.7,       0.0);
    ( 400588.1, 3812564.2,    1310.3,    2084.7,       0.0);         ( 400603.0,
3812582.8,    1308.0,    2084.7,       0.0);
    ( 400617.8, 3812601.5,    1311.9,    2084.7,       0.0);         ( 400632.6,
3812620.1,    1313.0,    2084.7,       0.0);
    ( 400647.4, 3812638.8,    1311.2,    2084.7,       0.0);         ( 400662.2,
3812657.4,    1306.7,    2084.7,       0.0);
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(400677.0, 3812676.0, 1300.3, 2084.7, 0.0); (400691.8, 3812694.7, 1297.9, 2084.7, 0.0);
(400706.6, 3812713.3, 1298.6, 2084.7, 0.0); (400721.4, 3812732.0, 1294.8, 2084.7, 0.0);
(400736.2, 3812750.6, 1289.3, 2084.7, 0.0); (400751.0, 3812769.2, 1293.4, 2084.7, 0.0);
(400765.8, 3812787.9, 1296.9, 2084.7, 0.0); (400780.6, 3812806.5, 1293.4, 2084.7, 0.0);
(400795.4, 3812825.2, 1288.9, 2084.7, 0.0); (400810.2, 3812843.8, 1285.2, 2084.7, 0.0);
(400825.0, 3812862.5, 1291.8, 2084.7, 0.0); (400839.8, 3812881.1, 1298.3, 2083.7, 0.0);
(400854.6, 3812899.8, 1305.9, 1793.5, 0.0); (400869.4, 3812918.4, 1312.8, 1793.5, 0.0);
(400884.2, 3812937.0, 1320.6, 1709.0, 0.0); (400899.0, 3812955.7, 1329.6, 1709.0, 0.0);

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

(400913.9, 3812974.3, 1340.6, 1709.0, 0.0); (400928.7, 3812993.0, 1351.9, 1607.3, 0.0);
(400943.5, 3813011.6, 1364.6, 1607.3, 0.0); (400958.3, 3813030.3, 1373.8, 1607.3, 0.0);
(400973.1, 3813048.9, 1374.5, 1607.3, 0.0); (400987.9, 3813067.6, 1373.0, 1607.3, 0.0);
(401002.7, 3813086.2, 1369.3, 1607.3, 0.0); (401017.5, 3813104.8, 1364.6, 1607.3, 0.0);
(401032.3, 3813123.5, 1357.7, 1607.3, 0.0); (401047.1, 3813142.1, 1355.6, 1607.3, 0.0);
(401061.9, 3813160.8, 1355.7, 1607.3, 0.0); (401076.7, 3813179.4, 1349.8, 1607.3, 0.0);
(401091.5, 3813198.1, 1339.5, 1607.3, 0.0); (401106.3, 3813216.7, 1332.8, 1607.3, 0.0);
(401121.1, 3813235.4, 1334.9, 1607.3, 0.0); (401135.9, 3813254.0, 1340.2, 1607.3, 0.0);
(401150.7, 3813272.6, 1347.6, 1607.3, 0.0); (401165.5, 3813291.3, 1355.6, 1607.3, 0.0);
(401180.3, 3813309.9, 1365.6, 1607.3, 0.0); (401195.2, 3813328.6, 1376.4, 1607.3, 0.0);
(401210.0, 3813347.2, 1388.7, 1607.3, 0.0); (401224.8, 3813365.9, 1397.7, 1607.3, 0.0);

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     ( 401239.6, 3813384.5,    1403.2,    1607.3,       0.0);         ( 401254.4,
3813403.1,    1403.8,    1607.3,       0.0);
     ( 401269.2, 3813421.8,    1401.9,    1607.3,       0.0);         ( 401284.0,
3813440.4,    1402.8,    1607.3,       0.0);
     ( 401298.8, 3813459.1,    1405.1,    1607.3,       0.0);         ( 401313.6,
3813477.7,    1417.0,    1607.3,       0.0);
     ( 401328.4, 3813496.4,    1421.6,    1607.3,       0.0);         ( 401343.2,
3813515.0,    1417.2,    1607.3,       0.0);
     ( 401358.0, 3813533.7,    1409.5,    1607.3,       0.0);         ( 401372.8,
3813552.3,    1402.1,    1607.3,       0.0);
     ( 401387.6, 3813570.9,    1404.2,    1607.3,       0.0);         ( 401402.4,
3813589.6,    1412.9,    1607.3,       0.0);
     ( 401417.2, 3813608.2,    1424.7,    1607.3,       0.0);         ( 401432.0,
3813626.9,    1435.2,    1607.3,       0.0);
     ( 401446.8, 3813645.5,    1443.4,    1607.3,       0.0);         ( 401461.6,
3813664.2,    1446.8,    1607.3,       0.0);
     ( 401476.5, 3813682.8,    1450.0,    1607.3,       0.0);         ( 401491.3,
3813701.5,    1455.3,    1607.3,       0.0);
     ( 401506.1, 3813720.1,    1461.0,    1607.3,       0.0);         ( 401520.9,
3813738.8,    1474.5,    1607.3,       0.0);
     ( 401535.7, 3813757.4,    1488.2,    1607.3,       0.0);         ( 401550.5,
3813776.0,    1505.2,    1607.3,       0.0);
     ( 401565.3, 3813794.7,    1517.9,    1607.3,       0.0);         ( 399818.3,
3811594.7,    1220.6,    2170.7,       0.0);
     ( 399799.8, 3811579.7,    1226.8,    2170.7,       0.0);         ( 399781.2,
3811564.7,    1236.0,    2170.7,       0.0);
     ( 399762.7, 3811549.7,    1235.5,    2170.7,       0.0);         ( 399744.2,
3811534.7,    1225.2,    2170.7,       0.0);
     ( 399725.7, 3811519.8,    1219.1,    2170.7,       0.0);         ( 399707.2,
3811504.8,    1212.0,    2170.7,       0.0);
     ( 399688.7, 3811489.8,    1205.4,    2170.7,       0.0);         ( 399670.2,
3811474.8,    1200.6,    2170.7,       0.0);
     ( 399651.7, 3811459.8,    1201.3,    2170.7,       0.0);         ( 399633.1,
3811444.8,    1199.9,    2170.7,       0.0);
     ( 399614.6, 3811429.8,    1200.8,    2170.7,       0.0);         ( 399596.1,
3811414.8,    1203.7,    2170.7,       0.0);
     ( 399577.6, 3811399.9,    1207.8,    2170.7,       0.0);         ( 400672.0,
3810576.9,    1427.1,    2170.7,       0.0);
     ( 400686.7, 3810595.5,    1424.8,    2170.7,       0.0);         ( 400701.4,
3810614.0,    1416.6,    2170.7,       0.0);
     ( 400716.2, 3810632.6,    1406.1,    2170.7,       0.0);         ( 400730.9,
3810651.2,    1394.1,    2170.7,       0.0);
     ( 400745.6, 3810669.7,    1381.5,    2170.7,       0.0);         ( 400760.4,
3810688.3,    1370.8,    2170.7,       0.0);
     ( 400775.1, 3810706.8,    1359.3,    2170.7,       0.0);         ( 400789.9,
3810725.4,    1349.3,    2170.7,       0.0);
     ( 400804.6, 3810744.0,    1340.8,    2170.7,       0.0);         ( 400819.3,
3810762.5,    1338.1,    2170.7,       0.0);
     ( 400834.1, 3810781.1,    1343.2,    2170.7,       0.0);         ( 400848.8,
3810799.6,    1345.0,    2170.7,       0.0);
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     ( 401423.6, 3811523.5,    1323.3,    2170.7,       0.0);         ( 401438.3,
3811542.0,    1321.4,    2170.7,       0.0);
     ( 401453.1, 3811560.6,    1320.4,    2170.7,       0.0);         ( 401467.8,
3811579.1,    1322.3,    2170.7,       0.0);
     ( 401482.6, 3811597.7,    1324.0,    2170.7,       0.0);         ( 401497.3,
3811616.3,    1321.4,    2170.7,       0.0);
     ( 401512.0, 3811634.8,    1316.4,    2170.7,       0.0);         ( 401526.8,
3811653.4,    1313.1,    2170.7,       0.0);
     ( 401541.5, 3811671.9,    1311.4,    2170.7,       0.0);         ( 401556.2,
3811690.5,    1313.5,    2170.7,       0.0);
     ( 401571.0, 3811709.1,    1318.9,    2170.7,       0.0);         ( 401585.7,
3811727.6,    1325.9,    2170.7,       0.0);
     ( 401600.5, 3811746.2,    1334.7,    2170.7,       0.0);         ( 401615.2,
3811764.7,    1341.4,    2170.7,       0.0);
     ( 401629.9, 3811783.3,    1347.2,    2170.7,       0.0);         ( 401644.7,
3811801.9,    1345.0,    2170.7,       0.0);
     ( 401659.4, 3811820.4,    1339.2,    2170.7,       0.0);         ( 401674.2,
3811839.0,    1331.4,    2170.7,       0.0);
     ( 401688.9, 3811857.5,    1325.8,    2170.7,       0.0);         ( 401703.6,
3811876.1,    1325.0,    2170.7,       0.0);
     ( 401718.4, 3811894.7,    1331.0,    2170.7,       0.0);         ( 401733.1,
3811913.2,    1336.5,    2170.7,       0.0);
     ( 401747.8, 3811931.8,    1343.9,    2170.7,       0.0);         ( 401762.6,
3811950.3,    1348.2,    2170.7,       0.0);
     ( 401777.3, 3811968.9,    1354.2,    2170.7,       0.0);         ( 401792.1,
3811987.5,    1364.2,    2170.7,       0.0);
     ( 401806.8, 3812006.0,    1373.0,    2170.7,       0.0);         ( 401821.5,
3812024.6,    1381.6,    2170.7,       0.0);
     ( 401836.3, 3812043.1,    1390.2,    2170.7,       0.0);         ( 401851.0,
3812061.7,    1393.4,    2170.7,       0.0);
     ( 401865.8, 3812080.3,    1379.8,    2170.7,       0.0);         ( 401880.5,
3812098.8,    1371.1,    2170.7,       0.0);
     ( 401895.2, 3812117.4,    1371.3,    2170.7,       0.0);         ( 401910.0,
3812135.9,    1371.5,    2170.7,       0.0);
     ( 401924.7, 3812154.5,    1368.9,    2170.7,       0.0);         ( 401939.4,
3812173.1,    1369.2,    2170.7,       0.0);
     ( 401954.2, 3812191.6,    1378.3,    2170.7,       0.0);         ( 401968.9,
3812210.2,    1391.9,    2084.7,       0.0);
     ( 401983.7, 3812228.7,    1397.3,    1793.5,       0.0);         ( 401998.4,
3812247.3,    1395.0,    1793.5,       0.0);
     ( 402013.1, 3812265.8,    1386.9,    2168.0,       0.0);         ( 402027.9,
3812284.4,    1378.1,    2170.7,       0.0);
     ( 402042.6, 3812303.0,    1373.0,    2170.7,       0.0);         ( 402057.3,
3812321.5,    1370.4,    2170.7,       0.0);
     ( 402072.1, 3812340.1,    1377.3,    2170.7,       0.0);         ( 402086.8,
3812358.6,    1389.2,    1793.5,       0.0);
     ( 402101.6, 3812377.2,    1395.9,    1793.5,       0.0);         ( 402116.3,
3812395.8,    1388.9,    1793.5,       0.0);
     ( 402131.0, 3812414.3,    1376.1,    2170.7,       0.0);         ( 402145.8,
3812432.9,    1363.2,    2170.7,       0.0);
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(402160.5, 3812451.4, 1355.0, 2170.7, 0.0); (402175.2, 3812470.0, 1352.8, 2170.7, 0.0);
(402190.0, 3812488.6, 1354.5, 2170.7, 0.0); (402204.7, 3812507.1, 1361.2, 2170.7, 0.0);
(402219.5, 3812525.7, 1368.9, 2170.7, 0.0); (402234.2, 3812544.2, 1375.8, 1793.5, 0.0);
(402249.0, 3812562.8, 1374.7, 1793.5, 0.0); (402263.7, 3812581.4, 1370.7, 1793.5, 0.0);
(402278.4, 3812599.9, 1373.8, 1793.5, 0.0); (402293.2, 3812618.5, 1377.8, 1793.5, 0.0);
(402307.9, 3812637.0, 1379.4, 1703.6, 0.0); (402322.6, 3812655.6, 1373.0, 1793.5, 0.0);
(402337.4, 3812674.2, 1361.4, 1793.5, 0.0); (402352.1, 3812692.7, 1351.8, 2170.7, 0.0);
(402366.8, 3812711.3, 1348.0, 2170.7, 0.0); (402381.6, 3812729.8, 1352.8, 2170.7, 0.0);
(402396.3, 3812748.4, 1354.9, 2163.6, 0.0); (402411.1, 3812767.0, 1353.8, 2163.6, 0.0);
(402425.8, 3812785.5, 1356.7, 1793.5, 0.0); (402440.5, 3812804.1, 1359.1, 1793.5, 0.0);

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

(402455.3, 3812822.6, 1352.7, 1793.5, 0.0); (402470.0, 3812841.2, 1343.2, 2170.7, 0.0);
(402484.8, 3812859.8, 1337.4, 2170.7, 0.0); (402499.5, 3812878.3, 1329.3, 2170.7, 0.0);
(402514.2, 3812896.9, 1323.3, 2170.7, 0.0); (402529.0, 3812915.4, 1311.5, 2170.7, 0.0);
(402543.7, 3812934.0, 1304.0, 2170.7, 0.0); (402558.5, 3812952.6, 1297.4, 2170.7, 0.0);
(402573.2, 3812971.1, 1301.9, 2170.7, 0.0); (402587.9, 3812989.7, 1302.6, 2170.7, 0.0);
(402602.7, 3813008.2, 1310.7, 2170.7, 0.0); (402617.4, 3813026.8, 1326.8, 2170.7, 0.0);
(402632.1, 3813045.4, 1340.7, 1607.3, 0.0); (402646.9, 3813063.9, 1353.8, 1607.3, 0.0);
(402661.6, 3813082.5, 1364.0, 1607.3, 0.0); (402676.3, 3813101.0, 1373.1, 1607.3, 0.0);
(402691.1, 3813119.6, 1379.8, 1607.3, 0.0); (402705.8, 3813138.2, 1384.9, 1607.3, 0.0);

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     ( 402720.6, 3813156.7,    1389.1,    1607.3,       0.0);         ( 402735.3,
3813175.3,    1388.3,    1607.3,       0.0);
     ( 402750.0, 3813193.8,    1385.0,    1607.3,       0.0);         ( 402764.8,
3813212.4,    1384.1,    1607.3,       0.0);
     ( 400657.2, 3810558.4,    1424.6,    2170.7,       0.0);         ( 400638.7,
3810543.4,    1416.8,    2170.7,       0.0);
     ( 400620.2, 3810528.4,    1404.8,    2170.7,       0.0);         ( 400601.7,
3810513.4,    1388.4,    2170.7,       0.0);
     ( 400583.2, 3810498.4,    1371.9,    2170.7,       0.0);         ( 400564.7,
3810483.4,    1362.9,    2170.7,       0.0);
     ( 400546.1, 3810468.4,    1363.2,    2170.7,       0.0);         ( 400527.6,
3810453.5,    1366.6,    2170.7,       0.0);
     ( 400509.1, 3810438.5,    1367.7,    2170.7,       0.0);         ( 400490.6,
3810423.5,    1366.8,    2170.7,       0.0);
     ( 400472.1, 3810408.5,    1365.4,    2170.7,       0.0);         ( 400453.6,
3810393.5,    1357.8,    2170.7,       0.0);
     ( 400435.1, 3810378.5,    1345.0,    2170.7,       0.0);         ( 400416.6,
3810363.5,    1330.0,    2170.7,       0.0);
     ( 401511.0, 3809540.7,    1660.6,    1709.0,       0.0);         ( 401525.7,
3809559.3,    1655.8,    1709.0,       0.0);
     ( 401540.5, 3809577.9,    1648.2,    1709.0,       0.0);         ( 401555.3,
3809596.5,    1636.9,    1709.0,       0.0);
     ( 401570.1, 3809615.1,    1625.6,    2084.7,       0.0);         ( 401584.8,
3809633.7,    1616.9,    2084.7,       0.0);
     ( 401599.6, 3809652.3,    1613.0,    2084.7,       0.0);         ( 401614.4,
3809670.9,    1605.9,    2084.7,       0.0);
     ( 401629.2, 3809689.5,    1595.8,    2170.7,       0.0);         ( 401644.0,
3809708.2,    1589.3,    2170.7,       0.0);
     ( 401658.7, 3809726.8,    1584.4,    2170.7,       0.0);         ( 401673.5,
3809745.4,    1573.6,    2170.7,       0.0);
     ( 401688.3, 3809764.0,    1558.8,    2170.7,       0.0);         ( 401703.1,
3809782.6,    1543.0,    2170.7,       0.0);
     ( 401717.8, 3809801.2,    1527.8,    2170.7,       0.0);         ( 401732.6,
3809819.8,    1511.5,    2170.7,       0.0);
     ( 401747.4, 3809838.4,    1499.3,    2170.7,       0.0);         ( 401762.2,
3809857.0,    1493.3,    2170.7,       0.0);
     ( 401777.0, 3809875.6,    1491.0,    2170.7,       0.0);         ( 401791.7,
3809894.3,    1487.3,    2170.7,       0.0);
     ( 401806.5, 3809912.9,    1485.0,    2170.7,       0.0);         ( 401821.3,
3809931.5,    1491.3,    2170.7,       0.0);
     ( 401836.1, 3809950.1,    1489.2,    2170.7,       0.0);         ( 401850.8,
3809968.7,    1495.9,    2170.7,       0.0);
     ( 401865.6, 3809987.3,    1499.0,    2170.7,       0.0);         ( 401880.4,
3810005.9,    1497.2,    2170.7,       0.0);
     ( 401895.2, 3810024.5,    1496.1,    2170.7,       0.0);         ( 401910.0,
3810043.1,    1500.4,    2170.7,       0.0);
     ( 401924.8, 3810061.8,    1510.3,    2170.7,       0.0);         ( 401939.5,
3810080.4,    1521.2,    2170.7,       0.0);
     ( 401954.3, 3810099.0,    1521.3,    2170.7,       0.0);         ( 401969.1,
3810117.6,    1514.3,    2170.7,       0.0);
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(402309.0, 3810545.6, 1360.6, 2170.7, 0.0); (402323.8,
3810564.2, 1351.6, 2170.7, 0.0);
(402338.5, 3810582.8, 1346.0, 2170.7, 0.0); (402353.3,
3810601.5, 1341.0, 2170.7, 0.0);
(402368.1, 3810620.1, 1334.1, 2170.7, 0.0); (402382.9,
3810638.7, 1326.7, 2170.7, 0.0);
(402397.7, 3810657.3, 1324.8, 2170.7, 0.0); (402412.4,
3810675.9, 1318.9, 2170.7, 0.0);
(402427.2, 3810694.5, 1317.6, 2170.7, 0.0); (402442.0,
3810713.1, 1313.0, 2170.7, 0.0);
(402456.8, 3810731.7, 1314.7, 2170.7, 0.0); (402471.5,
3810750.3, 1305.8, 2170.7, 0.0);
(402486.3, 3810768.9, 1301.6, 2170.7, 0.0); (402501.1,
3810787.6, 1303.5, 2170.7, 0.0);
(402515.9, 3810806.2, 1305.6, 2170.7, 0.0); (402530.7,
3810824.8, 1316.1, 2170.7, 0.0);

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     ( 402545.4, 3810843.4,    1326.2,    2170.7,       0.0);         ( 402560.2,
3810862.0,    1329.1,    2170.7,       0.0);
     ( 402575.0, 3810880.6,    1332.4,    2170.7,       0.0);         ( 402589.8,
3810899.2,    1333.6,    2170.7,       0.0);
     ( 402604.5, 3810917.8,    1331.0,    2170.7,       0.0);         ( 402619.3,
3810936.4,    1317.3,    2170.7,       0.0);
     ( 402634.1, 3810955.0,    1312.1,    2170.7,       0.0);         ( 402648.9,
3810973.7,    1310.1,    2170.7,       0.0);
     ( 402663.7, 3810992.3,    1307.2,    2170.7,       0.0);         ( 402678.5,
3811010.9,    1307.5,    2170.7,       0.0);
     ( 402693.2, 3811029.5,    1312.8,    2170.7,       0.0);         ( 402708.0,
3811048.1,    1315.6,    2170.7,       0.0);
     ( 402722.8, 3811066.7,    1310.9,    2170.7,       0.0);         ( 402737.6,
3811085.3,    1300.6,    2170.7,       0.0);
     ( 402752.3, 3811103.9,    1290.4,    2170.7,       0.0);         ( 402767.1,
3811122.5,    1286.4,    2170.7,       0.0);
     ( 402781.9, 3811141.1,    1281.6,    2170.7,       0.0);         ( 402796.7,
3811159.8,    1280.4,    2170.7,       0.0);
     ( 402811.5, 3811178.4,    1278.9,    2170.7,       0.0);         ( 402826.2,
3811197.0,    1275.9,    2170.7,       0.0);
     ( 402841.0, 3811215.6,    1266.5,    2170.7,       0.0);         ( 402855.8,
3811234.2,    1256.7,    2170.7,       0.0);
     ( 402870.6, 3811252.8,    1249.4,    2170.7,       0.0);         ( 402885.3,
3811271.4,    1241.7,    2170.7,       0.0);
     ( 402900.1, 3811290.0,    1235.6,    2170.7,       0.0);         ( 402914.9,
3811308.6,    1228.0,    2170.7,       0.0);
     ( 402929.7, 3811327.3,    1229.6,    2170.7,       0.0);         ( 402944.5,
3811345.9,    1230.4,    2170.7,       0.0);
     ( 402959.2, 3811364.5,    1230.6,    2170.7,       0.0);         ( 402974.0,
3811383.1,    1230.5,    2170.7,       0.0);
     ( 402988.8, 3811401.7,    1230.1,    2170.7,       0.0);         ( 403003.6,
3811420.3,    1234.0,    2170.7,       0.0);
     ( 403018.3, 3811438.9,    1236.7,    2170.7,       0.0);         ( 403033.1,
3811457.5,    1230.5,    2170.7,       0.0);
     ( 403047.9, 3811476.1,    1226.1,    2170.7,       0.0);         ( 403062.7,
3811494.8,    1224.1,    2170.7,       0.0);
     ( 403077.5, 3811513.4,    1224.3,    2170.7,       0.0);         ( 403092.2,
3811532.0,    1218.9,    2170.7,       0.0);
     ( 403107.0, 3811550.6,    1207.0,    2170.7,       0.0);         ( 403121.8,
3811569.2,    1199.0,    2170.7,       0.0);
     ( 403136.6, 3811587.8,    1197.2,    2170.7,       0.0);         ( 403151.4,
3811606.4,    1196.0,    2170.7,       0.0);
     ( 403166.1, 3811625.0,    1194.8,    2170.7,       0.0);         ( 403180.9,
3811643.6,    1194.3,    2170.7,       0.0);
     ( 403195.7, 3811662.2,    1196.0,    2170.7,       0.0);         ( 403210.5,
3811680.8,    1194.2,    2170.7,       0.0);
     ( 403225.2, 3811699.5,    1194.0,    2170.7,       0.0);         ( 403240.0,
3811718.1,    1194.6,    2170.7,       0.0);
     ( 403254.8, 3811736.7,    1192.9,    2170.7,       0.0);         ( 403269.6,
3811755.3,    1193.2,    2170.7,       0.0);
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(403284.4, 3811773.9, 1191.5, 2170.7, 0.0); (403299.1,
3811792.5, 1189.6, 2170.7, 0.0);
(403313.9, 3811811.1, 1186.1, 2170.7, 0.0); (403328.7,
3811829.7, 1184.6, 2170.7, 0.0);
(403343.5, 3811848.3, 1185.4, 2170.7, 0.0); (403358.2,
3811867.0, 1184.4, 2170.7, 0.0);
(403373.0, 3811885.6, 1184.3, 2170.7, 0.0); (403387.8,
3811904.2, 1187.0, 2170.7, 0.0);
(403402.6, 3811922.8, 1184.6, 2170.7, 0.0); (403417.4,
3811941.4, 1181.8, 2170.7, 0.0);
(403432.1, 3811960.0, 1177.5, 2170.7, 0.0); (403446.9,
3811978.6, 1175.1, 2170.7, 0.0);
(403461.7, 3811997.2, 1176.8, 2170.7, 0.0); (403476.5,
3812015.8, 1187.7, 2170.7, 0.0);
(403491.3, 3812034.4, 1182.9, 2170.7, 0.0); (403506.0,
3812053.1, 1177.8, 2170.7, 0.0);
(403520.8, 3812071.7, 1169.2, 2170.7, 0.0); (403535.6,
3812090.3, 1170.3, 2170.7, 0.0);
(403550.4, 3812108.9, 1177.8, 2170.7, 0.0); (403565.1,
3812127.5, 1181.2, 2170.7, 0.0);
(403579.9, 3812146.1, 1181.1, 2170.7, 0.0); (403594.7,
3812164.7, 1177.0, 2170.7, 0.0);
(403609.5, 3812183.3, 1167.7, 2170.7, 0.0); (403624.3,
3812201.9, 1160.0, 2170.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(403639.0, 3812220.5, 1158.6, 2170.7, 0.0); (403653.8,
3812239.2, 1160.2, 2170.7, 0.0);
(403668.6, 3812257.8, 1162.7, 2170.7, 0.0); (403683.4,
3812276.4, 1166.0, 2170.7, 0.0);
(403698.2, 3812295.0, 1168.3, 2170.7, 0.0); (403712.9,
3812313.6, 1173.7, 2170.7, 0.0);
(403727.7, 3812332.2, 1175.6, 2170.7, 0.0); (403742.5,
3812350.8, 1174.0, 2170.7, 0.0);
(403757.3, 3812369.4, 1165.0, 2170.7, 0.0); (403772.0,
3812388.0, 1155.5, 2170.7, 0.0);
(403786.8, 3812406.7, 1148.2, 2170.7, 0.0); (403801.6,
3812425.3, 1148.5, 2170.7, 0.0);
(403816.4, 3812443.9, 1147.1, 2170.7, 0.0); (403831.2,
3812462.5, 1146.5, 2170.7, 0.0);

```
     ( 403845.9, 3812481.1,    1144.8,    2170.7,       0.0);         ( 403860.7,
3812499.7,    1143.5,    2170.7,       0.0);
     ( 403875.5, 3812518.3,    1142.7,    2170.7,       0.0);         ( 403890.3,
3812536.9,    1140.6,    2170.7,       0.0);
     ( 403905.1, 3812555.5,    1143.5,    2170.7,       0.0);         ( 403919.8,
3812574.1,    1142.5,    2170.7,       0.0);
     ( 403934.6, 3812592.8,    1139.5,    2170.7,       0.0);         ( 403949.4,
3812611.4,    1139.7,    2170.7,       0.0);
     ( 403964.2, 3812630.0,    1141.7,    2170.7,       0.0);         ( 401496.2,
3809522.1,    1669.9,    1709.0,       0.0);
     ( 401477.7, 3809507.1,    1677.3,    1709.0,       0.0);         ( 401459.1,
3809492.1,    1682.2,    1709.0,       0.0);
     ( 401440.6, 3809477.1,    1682.9,    1709.0,       0.0);         ( 401422.1,
3809462.1,    1682.8,    1709.0,       0.0);
     ( 401403.6, 3809447.1,    1686.8,    1709.0,       0.0);         ( 401385.1,
3809432.1,    1690.3,    1709.0,       0.0);
     ( 401366.6, 3809417.2,    1690.2,    1709.0,       0.0);         ( 401348.1,
3809402.2,    1683.3,    1709.0,       0.0);
     ( 401329.6, 3809387.2,    1679.7,    1709.0,       0.0);         ( 401311.1,
3809372.2,    1673.7,    1709.0,       0.0);
     ( 401292.5, 3809357.2,    1666.6,    1709.0,       0.0);         ( 401274.0,
3809342.2,    1657.9,    1709.0,       0.0);
     ( 401255.5, 3809327.2,    1652.1,    1709.0,       0.0);         ( 402349.9,
3808504.4,    1642.1,    2170.7,       0.0);
     ( 402364.7, 3808523.0,    1644.2,    2170.7,       0.0);         ( 402379.5,
3808541.7,    1640.6,    2170.7,       0.0);
     ( 402394.4, 3808560.3,    1643.8,    2170.7,       0.0);         ( 402409.2,
3808579.0,    1652.2,    2170.7,       0.0);
     ( 402424.0, 3808597.6,    1660.0,    2170.7,       0.0);         ( 402438.8,
3808616.3,    1658.2,    2170.7,       0.0);
     ( 402453.6, 3808634.9,    1654.0,    2170.7,       0.0);         ( 402468.4,
3808653.6,    1662.9,    2170.7,       0.0);
     ( 402483.2, 3808672.2,    1672.1,    2170.7,       0.0);         ( 402498.0,
3808690.9,    1675.2,    2170.7,       0.0);
     ( 402512.8, 3808709.5,    1676.1,    2170.7,       0.0);         ( 402527.6,
3808728.2,    1676.6,    2170.7,       0.0);
     ( 402542.4, 3808746.8,    1675.8,    2170.7,       0.0);         ( 402557.2,
3808765.5,    1678.8,    2170.7,       0.0);
     ( 402572.1, 3808784.1,    1687.6,    2170.7,       0.0);         ( 402586.9,
3808802.8,    1694.1,    2170.7,       0.0);
     ( 402601.7, 3808821.4,    1692.1,    2170.7,       0.0);         ( 402616.5,
3808840.1,    1686.5,    2170.7,       0.0);
     ( 402631.3, 3808858.7,    1684.0,    2170.7,       0.0);         ( 402646.1,
3808877.4,    1683.8,    2170.7,       0.0);
     ( 402660.9, 3808896.0,    1680.3,    2170.7,       0.0);         ( 402675.7,
3808914.7,    1675.1,    2170.7,       0.0);
     ( 402690.5, 3808933.3,    1666.1,    2170.7,       0.0);         ( 402705.3,
3808952.0,    1655.9,    2170.7,       0.0);
     ( 402720.1, 3808970.6,    1645.1,    2170.7,       0.0);         ( 402735.0,
3808989.2,    1640.5,    2170.7,       0.0);
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(402749.8, 3809007.9, 1637.6, 2170.7, 0.0); (402764.6, 3809026.5, 1629.9, 2170.7, 0.0);
(402779.4, 3809045.2, 1620.4, 2170.7, 0.0); (402794.2, 3809063.8, 1606.9, 2170.7, 0.0);
(402809.0, 3809082.5, 1592.0, 2170.7, 0.0); (402823.8, 3809101.1, 1579.4, 2170.7, 0.0);
(402838.6, 3809119.8, 1568.1, 2170.7, 0.0); (402853.4, 3809138.4, 1577.1, 2170.7, 0.0);
(402868.2, 3809157.1, 1587.8, 2170.7, 0.0); (402883.0, 3809175.7, 1592.5, 2170.7, 0.0);
(402897.8, 3809194.4, 1596.0, 2170.7, 0.0); (402912.7, 3809213.0, 1597.8, 2170.7, 0.0);
(402927.5, 3809231.7, 1591.4, 2170.7, 0.0); (402942.3, 3809250.3, 1578.4, 2170.7, 0.0);
(402957.1, 3809269.0, 1563.6, 2170.7, 0.0); (402971.9, 3809287.6, 1550.5, 2170.7, 0.0);
(402986.7, 3809306.3, 1539.3, 2170.7, 0.0); (403001.5, 3809324.9, 1539.6, 2170.7, 0.0);
(403016.3, 3809343.6, 1544.2, 2170.7, 0.0); (403031.1, 3809362.2, 1553.6, 2170.7, 0.0);
(403045.9, 3809380.9, 1562.8, 2170.7, 0.0); (403060.8, 3809399.5, 1571.2, 2170.7, 0.0);
(403075.5, 3809418.2, 1568.0, 2170.7, 0.0); (403090.4, 3809436.8, 1557.5, 2170.7, 0.0);
(403105.2, 3809455.5, 1543.9, 2170.7, 0.0); (403120.0, 3809474.1, 1529.7, 2170.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(403134.8, 3809492.8, 1515.5, 2170.7, 0.0); (403149.6, 3809511.4, 1499.8, 2170.7, 0.0);
(403164.4, 3809530.0, 1484.6, 2170.7, 0.0); (403179.2, 3809548.7, 1468.2, 2170.7, 0.0);
(403194.0, 3809567.3, 1455.8, 2170.7, 0.0); (403208.8, 3809586.0, 1440.9, 2170.7, 0.0);
(403223.6, 3809604.6, 1437.4, 2170.7, 0.0); (403238.5, 3809623.3, 1429.5, 2170.7, 0.0);
(403253.3, 3809641.9, 1420.1, 2170.7, 0.0); (403268.1, 3809660.6, 1409.7, 2170.7, 0.0);
(403282.9, 3809679.2, 1400.8, 2170.7, 0.0); (403297.7, 3809697.9, 1388.8, 2170.7, 0.0);

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    ( 403312.5, 3809716.5,    1378.1,    2170.7,       0.0);         ( 403327.3,
3809735.2,    1366.7,    2170.7,       0.0);
    ( 403342.1, 3809753.8,    1361.2,    2170.7,       0.0);         ( 403356.9,
3809772.5,    1355.7,    2170.7,       0.0);
    ( 403371.7, 3809791.1,    1351.4,    2170.7,       0.0);         ( 403386.5,
3809809.8,    1345.4,    2170.7,       0.0);
    ( 403401.3, 3809828.4,    1340.5,    2170.7,       0.0);         ( 403416.1,
3809847.1,    1343.1,    2170.7,       0.0);
    ( 403431.0, 3809865.7,    1344.5,    2170.7,       0.0);         ( 403445.8,
3809884.4,    1345.1,    2170.7,       0.0);
    ( 403460.6, 3809903.0,    1345.2,    2170.7,       0.0);         ( 403475.4,
3809921.7,    1341.7,    2170.7,       0.0);
    ( 403490.2, 3809940.3,    1332.9,    2170.7,       0.0);         ( 403505.0,
3809959.0,    1325.2,    2170.7,       0.0);
    ( 403519.8, 3809977.6,    1314.0,    2170.7,       0.0);         ( 403534.6,
3809996.3,    1301.1,    2170.7,       0.0);
    ( 403549.4, 3810014.9,    1289.8,    2170.7,       0.0);         ( 403564.2,
3810033.6,    1284.5,    2170.7,       0.0);
    ( 403579.0, 3810052.2,    1283.4,    2170.7,       0.0);         ( 403593.9,
3810070.8,    1281.5,    2170.7,       0.0);
    ( 403608.7, 3810089.5,    1281.0,    2170.7,       0.0);         ( 403623.5,
3810108.1,    1278.9,    2170.7,       0.0);
    ( 403638.3, 3810126.8,    1277.3,    2170.7,       0.0);         ( 403653.1,
3810145.4,    1277.5,    2170.7,       0.0);
    ( 403667.9, 3810164.1,    1280.2,    2170.7,       0.0);         ( 403682.7,
3810182.7,    1286.8,    2170.7,       0.0);
    ( 403697.5, 3810201.4,    1295.4,    2170.7,       0.0);         ( 403712.3,
3810220.0,    1305.2,    2170.7,       0.0);
    ( 403727.1, 3810238.7,    1316.3,    2170.7,       0.0);         ( 403741.9,
3810257.3,    1327.6,    2170.7,       0.0);
    ( 403756.8, 3810276.0,    1335.9,    2170.7,       0.0);         ( 403771.6,
3810294.6,    1343.6,    2170.7,       0.0);
    ( 403786.4, 3810313.3,    1349.1,    2170.7,       0.0);         ( 403801.2,
3810331.9,    1351.8,    2170.7,       0.0);
    ( 403816.0, 3810350.6,    1350.0,    2170.7,       0.0);         ( 403830.8,
3810369.2,    1346.0,    2170.7,       0.0);
    ( 403845.6, 3810387.9,    1343.7,    2170.7,       0.0);         ( 403860.4,
3810406.5,    1345.1,    2170.7,       0.0);
    ( 403875.2, 3810425.2,    1344.5,    2170.7,       0.0);         ( 403890.0,
3810443.8,    1348.0,    2170.7,       0.0);
    ( 403904.8, 3810462.5,    1351.4,    2170.7,       0.0);         ( 403919.6,
3810481.1,    1352.1,    2170.7,       0.0);
    ( 403934.5, 3810499.8,    1349.0,    2170.7,       0.0);         ( 403949.3,
3810518.4,    1346.9,    2170.7,       0.0);
    ( 403964.1, 3810537.1,    1349.8,    2170.7,       0.0);         ( 403978.9,
3810555.7,    1354.0,    2170.7,       0.0);
    ( 403993.7, 3810574.4,    1359.2,    2170.7,       0.0);         ( 404008.5,
3810593.0,    1363.1,    2170.7,       0.0);
    ( 404023.3, 3810611.7,    1371.8,    2170.7,       0.0);         ( 404038.1,
3810630.3,    1380.1,    2170.7,       0.0);
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(404052.9, 3810648.9, 1387.4, 2170.7, 0.0); (404067.7, 3810667.6, 1390.1, 2170.7, 0.0);
(404082.5, 3810686.2, 1394.3, 2170.7, 0.0); (404097.3, 3810704.9, 1403.8, 2170.7, 0.0);
(404112.2, 3810723.5, 1414.9, 2170.7, 0.0); (404127.0, 3810742.2, 1426.2, 2170.7, 0.0);
(404141.8, 3810760.8, 1440.6, 2170.7, 0.0); (404156.6, 3810779.5, 1450.4, 2170.7, 0.0);
(404171.4, 3810798.1, 1451.5, 2170.7, 0.0); (404186.2, 3810816.8, 1445.1, 2170.7, 0.0);
(404201.0, 3810835.4, 1435.7, 2170.7, 0.0); (404215.8, 3810854.1, 1428.6, 2170.7, 0.0);
(404230.6, 3810872.7, 1425.4, 2170.7, 0.0); (404245.4, 3810891.4, 1426.7, 2170.7, 0.0);
(404260.2, 3810910.0, 1420.7, 2170.7, 0.0); (404275.0, 3810928.7, 1406.7, 2170.7, 0.0);
(404289.9, 3810947.3, 1394.6, 2170.7, 0.0); (404304.7, 3810966.0, 1388.5, 2170.7, 0.0);
(404319.5, 3810984.6, 1391.1, 2170.7, 0.0); (404334.3, 3811003.3, 1395.3, 2170.7, 0.0);
(404349.1, 3811021.9, 1396.4, 2170.7, 0.0); (404363.9, 3811040.6, 1391.2, 2170.7, 0.0);
(404378.7, 3811059.2, 1379.4, 2170.7, 0.0); (404393.5, 3811077.9, 1367.3, 2170.7, 0.0);
(404408.3, 3811096.5, 1359.5, 2170.7, 0.0); (404423.1, 3811115.2, 1359.4, 2170.7, 0.0);
(404438.0, 3811133.8, 1363.8, 2170.7, 0.0); (404452.8, 3811152.5, 1373.9, 2170.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(404467.6, 3811171.1, 1381.8, 2170.7, 0.0); (404482.4, 3811189.8, 1393.3, 2170.7, 0.0);
(404497.2, 3811208.4, 1407.1, 2170.7, 0.0); (404512.0, 3811227.0, 1423.0, 2170.7, 0.0);
(404526.8, 3811245.7, 1438.7, 2170.7, 0.0); (404541.6, 3811264.3, 1455.5, 2170.7, 0.0);
(404556.4, 3811283.0, 1466.9, 2170.7, 0.0); (404571.2, 3811301.6, 1474.5, 2170.7, 0.0);
(404586.0, 3811320.3, 1472.2, 2170.7, 0.0); (404600.8, 3811338.9, 1470.1, 2170.7, 0.0);

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     ( 404615.6, 3811357.6,    1467.6,    2170.7,       0.0);         ( 404630.5,
3811376.2,    1465.0,    2170.7,       0.0);
     ( 404645.3, 3811394.9,    1464.1,    2170.7,       0.0);         ( 404660.1,
3811413.5,    1461.0,    2170.7,       0.0);
     ( 404674.9, 3811432.2,    1459.0,    2170.7,       0.0);         ( 404689.7,
3811450.8,    1452.6,    2170.7,       0.0);
     ( 404704.5, 3811469.5,    1447.0,    2170.7,       0.0);         ( 404719.3,
3811488.1,    1441.2,    2170.7,       0.0);
     ( 404734.1, 3811506.8,    1436.0,    2170.7,       0.0);         ( 404748.9,
3811525.4,    1426.7,    2170.7,       0.0);
     ( 404763.7, 3811544.1,    1417.1,    2170.7,       0.0);         ( 404778.5,
3811562.7,    1407.6,    2170.7,       0.0);
     ( 404793.3, 3811581.4,    1403.0,    2170.7,       0.0);         ( 404808.2,
3811600.0,    1405.4,    2170.7,       0.0);
     ( 404823.0, 3811618.7,    1408.9,    2170.7,       0.0);         ( 404837.8,
3811637.3,    1404.1,    2170.7,       0.0);
     ( 404852.6, 3811656.0,    1389.6,    2170.7,       0.0);         ( 404867.4,
3811674.6,    1371.8,    2170.7,       0.0);
     ( 404882.2, 3811693.3,    1355.3,    2170.7,       0.0);         ( 404897.0,
3811711.9,    1336.8,    2170.7,       0.0);
     ( 404911.8, 3811730.5,    1321.9,    2170.7,       0.0);         ( 404926.6,
3811749.2,    1306.7,    2170.7,       0.0);
     ( 404941.4, 3811767.8,    1307.6,    2170.7,       0.0);         ( 404956.2,
3811786.5,    1308.1,    2170.7,       0.0);
     ( 404971.1, 3811805.1,    1299.5,    2170.7,       0.0);         ( 404985.9,
3811823.8,    1298.2,    2170.7,       0.0);
     ( 405000.7, 3811842.4,    1298.5,    2170.7,       0.0);         ( 405015.5,
3811861.1,    1296.7,    2170.7,       0.0);
     ( 405030.3, 3811879.7,    1297.5,    2170.7,       0.0);         ( 405045.1,
3811898.4,    1300.4,    2170.7,       0.0);
     ( 405059.9, 3811917.0,    1303.5,    2170.7,       0.0);         ( 405074.7,
3811935.7,    1305.0,    2170.7,       0.0);
     ( 405089.5, 3811954.3,    1308.0,    2170.7,       0.0);         ( 405104.3,
3811973.0,    1309.0,    2170.7,       0.0);
     ( 405119.1, 3811991.6,    1301.6,    2170.7,       0.0);         ( 405134.0,
3812010.3,    1295.8,    2170.7,       0.0);
     ( 405148.8, 3812028.9,    1288.9,    2170.7,       0.0);         ( 405163.6,
3812047.6,    1280.5,    2170.7,       0.0);
     ( 402335.1, 3808485.8,    1629.1,    2170.7,       0.0);         ( 402316.6,
3808470.8,    1618.0,    2170.7,       0.0);
     ( 402298.1, 3808455.8,    1611.4,    2170.7,       0.0);         ( 402279.6,
3808440.8,    1620.7,    2170.7,       0.0);
     ( 402261.1, 3808425.8,    1630.3,    2170.7,       0.0);         ( 402242.6,
3808410.8,    1635.1,    2170.7,       0.0);
     ( 402224.0, 3808395.8,    1638.2,    2170.7,       0.0);         ( 402205.5,
3808380.8,    1647.0,    2170.7,       0.0);
     ( 402187.0, 3808365.9,    1659.0,    2170.7,       0.0);         ( 402168.5,
3808350.9,    1672.4,    2170.7,       0.0);
     ( 402150.0, 3808335.9,    1680.7,    2170.7,       0.0);         ( 402131.5,
3808320.9,    1685.5,    2170.7,       0.0);
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(402113.0, 3808305.9, 1681.5, 2170.7, 0.0); (402094.5,
3808290.9, 1672.9, 2170.7, 0.0);
(403188.8, 3807468.0, 1595.1, 2170.7, 0.0); (403203.6,
3807486.6, 1590.5, 2170.7, 0.0);
(403218.4, 3807505.2, 1588.3, 2170.7, 0.0); (403233.1,
3807523.8, 1585.0, 2170.7, 0.0);
(403247.9, 3807542.4, 1582.5, 2170.7, 0.0); (403262.7,
3807561.0, 1571.1, 2170.7, 0.0);
(403277.4, 3807579.6, 1556.3, 2170.7, 0.0); (403292.2,
3807598.2, 1545.4, 2170.7, 0.0);
(403307.0, 3807616.8, 1544.8, 2170.7, 0.0); (403321.7,
3807635.4, 1547.1, 2170.7, 0.0);
(403336.5, 3807653.9, 1538.2, 2170.7, 0.0); (403351.2,
3807672.5, 1523.1, 2170.7, 0.0);
(403366.0, 3807691.1, 1507.7, 2170.7, 0.0); (403380.8,
3807709.7, 1494.8, 2170.7, 0.0);
(403395.5, 3807728.3, 1488.0, 2170.7, 0.0); (403410.3,
3807746.9, 1482.0, 2170.7, 0.0);
(403425.1, 3807765.5, 1474.6, 2170.7, 0.0); (403439.8,
3807784.1, 1476.2, 2170.7, 0.0);
(403454.6, 3807802.7, 1477.0, 2170.7, 0.0); (403469.3,
3807821.3, 1476.1, 2170.7, 0.0);
(403484.1, 3807839.9, 1475.7, 2170.7, 0.0); (403498.9,
3807858.5, 1476.1, 2170.7, 0.0);
(403513.6, 3807877.0, 1480.1, 2170.7, 0.0); (403528.4,
3807895.6, 1480.6, 2170.7, 0.0);
(403543.2, 3807914.2, 1475.7, 2170.7, 0.0); (403557.9,
3807932.8, 1476.6, 2170.7, 0.0);
(403572.7, 3807951.4, 1478.3, 2170.7, 0.0); (403587.5,
3807970.0, 1483.2, 2170.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(403602.2, 3807988.6, 1480.5, 2170.7, 0.0); (403617.0,
3808007.2, 1475.5, 2170.7, 0.0);
(403631.8, 3808025.8, 1463.9, 2170.7, 0.0); (403646.5,
3808044.4, 1457.1, 2170.7, 0.0);
(403661.3, 3808063.0, 1454.3, 2170.7, 0.0); (403676.0,
3808081.6, 1455.1, 2170.7, 0.0);
(403690.8, 3808100.1, 1456.1, 2170.7, 0.0); (403705.6,
3808118.7, 1455.1, 2170.7, 0.0);

```
    ( 403720.3, 3808137.3,    1452.6,    2170.7,       0.0);         ( 403735.1,
3808155.9,    1455.0,    2170.7,       0.0);
    ( 403749.9, 3808174.5,    1452.8,    2170.7,       0.0);         ( 403764.6,
3808193.1,    1448.3,    2170.7,       0.0);
    ( 403779.4, 3808211.7,    1453.7,    2170.7,       0.0);         ( 403794.1,
3808230.3,    1460.8,    2170.7,       0.0);
    ( 403808.9, 3808248.9,    1458.7,    2170.7,       0.0);         ( 403823.7,
3808267.5,    1452.3,    2170.7,       0.0);
    ( 403838.4, 3808286.1,    1441.5,    2170.7,       0.0);         ( 403853.2,
3808304.7,    1433.2,    2170.7,       0.0);
    ( 403868.0, 3808323.2,    1424.1,    2170.7,       0.0);         ( 403882.7,
3808341.8,    1418.2,    2170.7,       0.0);
    ( 403897.5, 3808360.4,    1415.0,    2170.7,       0.0);         ( 403912.3,
3808379.0,    1412.6,    2170.7,       0.0);
    ( 403927.0, 3808397.6,    1408.6,    2170.7,       0.0);         ( 403941.8,
3808416.2,    1406.5,    2170.7,       0.0);
    ( 403956.5, 3808434.8,    1403.6,    2170.7,       0.0);         ( 403971.3,
3808453.4,    1402.3,    2170.7,       0.0);
    ( 403986.1, 3808472.0,    1401.5,    2170.7,       0.0);         ( 404000.8,
3808490.6,    1400.4,    2170.7,       0.0);
    ( 404015.6, 3808509.2,    1399.0,    2170.7,       0.0);         ( 404030.4,
3808527.8,    1397.0,    2170.7,       0.0);
    ( 404045.1, 3808546.3,    1397.8,    2170.7,       0.0);         ( 404059.9,
3808564.9,    1399.8,    2170.7,       0.0);
    ( 404074.7, 3808583.5,    1398.5,    2170.7,       0.0);         ( 404089.4,
3808602.1,    1396.6,    2170.7,       0.0);
    ( 404104.2, 3808620.7,    1393.9,    2170.7,       0.0);         ( 404119.0,
3808639.3,    1391.0,    2170.7,       0.0);
    ( 404133.7, 3808657.9,    1392.7,    2170.7,       0.0);         ( 404148.5,
3808676.5,    1393.8,    2170.7,       0.0);
    ( 404163.2, 3808695.1,    1392.4,    2170.7,       0.0);         ( 404178.0,
3808713.7,    1390.1,    2170.7,       0.0);
    ( 404192.8, 3808732.3,    1387.3,    2170.7,       0.0);         ( 404207.5,
3808750.9,    1382.5,    2170.7,       0.0);
    ( 404222.3, 3808769.5,    1378.2,    2170.7,       0.0);         ( 404237.1,
3808788.0,    1378.4,    2170.7,       0.0);
    ( 404251.8, 3808806.6,    1378.7,    2170.7,       0.0);         ( 404266.6,
3808825.2,    1381.0,    2170.7,       0.0);
    ( 404281.4, 3808843.8,    1379.4,    2170.7,       0.0);         ( 404296.1,
3808862.4,    1377.4,    2170.7,       0.0);
    ( 404310.9, 3808881.0,    1377.1,    2170.7,       0.0);         ( 404325.6,
3808899.6,    1373.6,    2170.7,       0.0);
    ( 404340.4, 3808918.2,    1367.4,    2170.7,       0.0);         ( 404355.2,
3808936.8,    1361.8,    2170.7,       0.0);
    ( 404369.9, 3808955.4,    1359.0,    2170.7,       0.0);         ( 404384.7,
3808974.0,    1361.5,    2170.7,       0.0);
    ( 404399.5, 3808992.6,    1363.4,    2170.7,       0.0);         ( 404414.2,
3809011.1,    1363.8,    2170.7,       0.0);
    ( 404429.0, 3809029.7,    1361.0,    2170.7,       0.0);         ( 404443.8,
3809048.3,    1357.4,    2170.7,       0.0);
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     ( 404458.5, 3809066.9,    1355.1,    2170.7,       0.0);         ( 404473.3,
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     ( 404488.0, 3809104.1,    1358.7,    2170.7,       0.0);         ( 404502.8,
3809122.7,    1360.0,    2170.7,       0.0);
     ( 404517.6, 3809141.3,    1360.8,    2170.7,       0.0);         ( 404532.3,
3809159.9,    1358.0,    2170.7,       0.0);
     ( 404547.1, 3809178.5,    1352.0,    2170.7,       0.0);         ( 404561.9,
3809197.1,    1349.6,    2170.7,       0.0);
     ( 404576.6, 3809215.7,    1350.4,    2170.7,       0.0);         ( 404591.4,
3809234.2,    1352.4,    2170.7,       0.0);
     ( 404606.2, 3809252.8,    1356.1,    2170.7,       0.0);         ( 404620.9,
3809271.4,    1360.8,    2170.7,       0.0);
     ( 404635.7, 3809290.0,    1368.6,    2170.7,       0.0);         ( 404650.5,
3809308.6,    1376.6,    2170.7,       0.0);
     ( 404665.2, 3809327.2,    1383.9,    2170.7,       0.0);         ( 404680.0,
3809345.8,    1395.3,    2170.7,       0.0);
     ( 404694.7, 3809364.4,    1402.8,    2170.7,       0.0);         ( 404709.5,
3809383.0,    1411.6,    2170.7,       0.0);
     ( 404724.3, 3809401.6,    1420.0,    2170.7,       0.0);         ( 404739.0,
3809420.2,    1432.6,    2170.7,       0.0);
     ( 404753.8, 3809438.8,    1444.2,    2170.7,       0.0);         ( 404768.6,
3809457.3,    1455.4,    2170.7,       0.0);
     ( 404783.3, 3809475.9,    1463.8,    2170.7,       0.0);         ( 404798.1,
3809494.5,    1462.6,    2170.7,       0.0);
     ( 404812.8, 3809513.1,    1450.6,    2170.7,       0.0);         ( 404827.6,
3809531.7,    1436.5,    2170.7,       0.0);
     ( 404842.4, 3809550.3,    1420.8,    2170.7,       0.0);         ( 404857.1,
3809568.9,    1404.8,    2170.7,       0.0);
     ( 404871.9, 3809587.5,    1406.3,    2170.7,       0.0);         ( 404886.7,
3809606.1,    1410.0,    2170.7,       0.0);
     ( 404901.4, 3809624.7,    1417.6,    2170.7,       0.0);         ( 404916.2,
3809643.3,    1410.9,    2170.7,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                         ***        09:14:47

                                    PAGE 189
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

     ( 404931.0, 3809661.9,    1405.9,    2170.7,       0.0);         ( 404945.7,
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     ( 404960.5, 3809699.0,    1397.0,    2170.7,       0.0);         ( 404975.2,
3809717.6,    1394.8,    2170.7,       0.0);
     ( 404990.0, 3809736.2,    1390.8,    2170.7,       0.0);         ( 405004.8,
3809754.8,    1385.6,    2170.7,       0.0);
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    ( 405019.5, 3809773.4,    1375.2,    2170.7,       0.0);         ( 405034.3,
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    ( 405049.1, 3809810.6,    1349.3,    2170.7,       0.0);         ( 405063.8,
3809829.2,    1342.0,    2170.7,       0.0);
    ( 405078.6, 3809847.8,    1334.7,    2170.7,       0.0);         ( 405093.4,
3809866.4,    1332.5,    2170.7,       0.0);
    ( 405108.1, 3809885.0,    1329.8,    2170.7,       0.0);         ( 405122.9,
3809903.5,    1324.1,    2170.7,       0.0);
    ( 405137.6, 3809922.1,    1309.7,    2170.7,       0.0);         ( 405152.4,
3809940.7,    1296.6,    2170.7,       0.0);
    ( 405167.2, 3809959.3,    1282.5,    2170.7,       0.0);         ( 405181.9,
3809977.9,    1272.7,    2170.7,       0.0);
    ( 405196.7, 3809996.5,    1277.6,    2170.7,       0.0);         ( 405211.5,
3810015.1,    1282.1,    2170.7,       0.0);
    ( 405226.2, 3810033.7,    1284.8,    2170.7,       0.0);         ( 405241.0,
3810052.3,    1290.4,    2170.7,       0.0);
    ( 405255.8, 3810070.9,    1290.2,    2170.7,       0.0);         ( 405270.5,
3810089.5,    1288.0,    2170.7,       0.0);
    ( 405285.3, 3810108.1,    1290.5,    2170.7,       0.0);         ( 405300.0,
3810126.7,    1285.5,    2170.7,       0.0);
    ( 405314.8, 3810145.2,    1275.0,    2170.7,       0.0);         ( 405329.6,
3810163.8,    1270.9,    2170.7,       0.0);
    ( 405344.3, 3810182.4,    1267.0,    2170.7,       0.0);         ( 405359.1,
3810201.0,    1255.8,    2170.7,       0.0);
    ( 405373.9, 3810219.6,    1247.3,    2170.7,       0.0);         ( 405388.6,
3810238.2,    1244.0,    2170.7,       0.0);
    ( 405403.4, 3810256.8,    1243.8,    2170.7,       0.0);         ( 405418.2,
3810275.4,    1241.0,    2432.6,       0.0);
    ( 405432.9, 3810294.0,    1233.9,    2432.6,       0.0);         ( 405447.7,
3810312.6,    1223.8,    2432.6,       0.0);
    ( 405462.5, 3810331.2,    1213.7,    2432.6,       0.0);         ( 405477.2,
3810349.8,    1210.5,    2432.6,       0.0);
    ( 405492.0, 3810368.3,    1216.6,    2432.6,       0.0);         ( 405506.7,
3810386.9,    1226.5,    2432.6,       0.0);
    ( 405521.5, 3810405.5,    1230.4,    2432.6,       0.0);         ( 405536.3,
3810424.1,    1233.0,    2432.6,       0.0);
    ( 405551.0, 3810442.7,    1235.5,    2432.6,       0.0);         ( 405565.8,
3810461.3,    1234.1,    2432.6,       0.0);
    ( 405580.6, 3810479.9,    1228.6,    2432.6,       0.0);         ( 405595.3,
3810498.5,    1221.3,    2432.6,       0.0);
    ( 405610.1, 3810517.1,    1218.0,    2432.6,       0.0);         ( 405624.8,
3810535.7,    1208.9,    2432.6,       0.0);
    ( 405639.6, 3810554.3,    1207.6,    2432.6,       0.0);         ( 405654.4,
3810572.9,    1219.4,    2432.6,       0.0);
    ( 405669.1, 3810591.4,    1226.1,    2432.6,       0.0);         ( 405683.9,
3810610.0,    1226.8,    2432.6,       0.0);
    ( 405698.7, 3810628.6,    1220.0,    2432.6,       0.0);         ( 405713.4,
3810647.2,    1216.3,    2432.6,       0.0);
    ( 405728.2, 3810665.8,    1212.5,    2432.6,       0.0);         ( 405743.0,
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(405757.7, 3810703.0, 1222.8, 2432.6, 0.0); (405772.5,
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(405787.2, 3810740.2, 1214.7, 2432.6, 0.0); (405802.0,
3810758.8, 1225.2, 2432.6, 0.0);
(405816.8, 3810777.4, 1225.3, 2432.6, 0.0); (405831.5,
3810796.0, 1219.3, 2432.6, 0.0);
(405846.3, 3810814.5, 1209.7, 2432.6, 0.0); (405861.1,
3810833.1, 1208.5, 2432.6, 0.0);
(405875.8, 3810851.7, 1207.4, 2432.6, 0.0); (405890.6,
3810870.3, 1208.5, 2432.6, 0.0);
(405905.4, 3810888.9, 1213.2, 2432.6, 0.0); (405920.1,
3810907.5, 1209.5, 2432.6, 0.0);
(405934.9, 3810926.1, 1202.2, 2432.6, 0.0); (405949.7,
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(405964.4, 3810963.3, 1199.9, 2432.6, 0.0); (405979.2,
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(405994.0, 3811000.5, 1210.6, 2432.6, 0.0); (406008.7,
3811019.1, 1214.7, 2432.6, 0.0);
(406023.5, 3811037.6, 1216.9, 2432.6, 0.0); (406038.2,
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(406053.0, 3811074.8, 1226.5, 2432.6, 0.0); (406067.8,
3811093.4, 1231.5, 2432.6, 0.0);
(406082.5, 3811112.0, 1238.8, 2432.6, 0.0); (406097.3,
3811130.6, 1250.4, 2432.6, 0.0);
(406112.1, 3811149.2, 1253.7, 2432.6, 0.0); (406126.8,
3811167.8, 1253.1, 2432.6, 0.0);
(406141.6, 3811186.4, 1248.8, 2432.6, 0.0); (406156.3,
3811205.0, 1251.8, 2432.6, 0.0);
(406171.1, 3811223.6, 1255.6, 2432.6, 0.0); (406185.9,
3811242.2, 1257.2, 2432.6, 0.0);
(406200.6, 3811260.8, 1260.8, 2432.6, 0.0); (406215.4,
3811279.3, 1262.5, 2432.6, 0.0);
(406230.2, 3811297.9, 1258.8, 2432.6, 0.0); (406244.9,
3811316.5, 1259.8, 2432.6, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(406259.7, 3811335.1, 1266.0, 2432.6, 0.0); (406274.5,
3811353.7, 1269.3, 2432.6, 0.0);
(406289.2, 3811372.3, 1260.7, 2432.6, 0.0); (406304.0,
3811390.9, 1249.6, 2432.6, 0.0);

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    ( 406318.8, 3811409.5,    1254.3,    2432.6,       0.0);         ( 406333.5,
3811428.1,    1262.8,    2432.6,       0.0);
    ( 406348.3, 3811446.7,    1256.6,    2432.6,       0.0);         ( 406363.0,
3811465.3,    1248.4,    2432.6,       0.0);
    ( 403174.1, 3807449.4,    1598.5,    2170.7,       0.0);         ( 403155.6,
3807434.4,    1596.6,    2170.7,       0.0);
    ( 403137.0, 3807419.5,    1598.2,    2170.7,       0.0);         ( 403118.5,
3807404.5,    1596.3,    2170.7,       0.0);
    ( 403100.0, 3807389.5,    1590.9,    2170.7,       0.0);         ( 403081.5,
3807374.5,    1587.4,    2170.7,       0.0);
    ( 403063.0, 3807359.5,    1588.3,    2170.7,       0.0);         ( 403044.5,
3807344.5,    1591.6,    2170.7,       0.0);
    ( 403026.0, 3807329.5,    1592.7,    2170.7,       0.0);         ( 403007.5,
3807314.6,    1594.5,    2170.7,       0.0);
    ( 402989.0, 3807299.6,    1598.8,    2170.7,       0.0);         ( 402970.5,
3807284.6,    1605.6,    2170.7,       0.0);
    ( 402951.9, 3807269.6,    1606.7,    2170.7,       0.0);         ( 402933.4,
3807254.6,    1605.9,    2170.7,       0.0);
    ( 395476.4, 3816429.6,     919.7,    1607.0,       0.0);         ( 395458.4,
3816412.6,     917.8,    1607.0,       0.0);
    ( 395440.4, 3816395.7,     918.1,    1607.0,       0.0);         ( 395422.4,
3816378.7,     917.2,    1607.0,       0.0);
    ( 395404.4, 3816361.7,     917.2,    1604.4,       0.0);         ( 395386.4,
3816344.7,     916.4,    1439.0,       0.0);
    ( 395368.4, 3816327.7,     915.1,    1604.4,       0.0);         ( 395350.4,
3816310.7,     914.6,    1439.0,       0.0);
    ( 395332.3, 3816293.7,     913.5,    1439.0,       0.0);         ( 395314.3,
3816276.7,     913.8,    1439.0,       0.0);
    ( 395475.5, 3816394.5,     917.5,    1607.3,       0.0);         ( 395457.5,
3816377.5,     917.0,    1607.3,       0.0);
    ( 395439.5, 3816360.5,     916.3,    1607.3,       0.0);         ( 395421.5,
3816343.5,     915.9,    1607.3,       0.0);
    ( 395403.5, 3816326.5,     915.4,    1607.3,       0.0);         ( 395385.5,
3816309.5,     914.5,    1607.3,       0.0);
    ( 395367.5, 3816292.5,     914.0,    1607.0,       0.0);         ( 395349.5,
3816275.5,     913.1,    1607.0,       0.0);
    ( 395331.5, 3816258.5,     912.5,    1607.0,       0.0);         ( 395492.7,
3816376.3,     917.4,    1607.3,       0.0);
    ( 395474.7, 3816359.3,     916.9,    1607.3,       0.0);         ( 395456.7,
3816342.3,     916.3,    1607.3,       0.0);
    ( 395438.7, 3816325.3,     915.7,    1607.3,       0.0);         ( 395420.7,
3816308.3,     915.0,    1607.3,       0.0);
    ( 395402.7, 3816291.3,     914.2,    1607.3,       0.0);         ( 395384.7,
3816274.3,     913.6,    1607.3,       0.0);
    ( 395366.7, 3816257.3,     912.8,    1607.3,       0.0);         ( 395348.7,
3816240.3,     912.2,    1607.3,       0.0);
    ( 395509.9, 3816358.1,     917.5,    1607.3,       0.0);         ( 395491.9,
3816341.1,     916.7,    1607.3,       0.0);
    ( 395473.9, 3816324.1,     916.1,    1607.3,       0.0);         ( 395455.8,
3816307.1,     915.5,    1607.3,       0.0);
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(395401.8, 3816256.1, 913.8, 1607.3, 0.0); (395383.8, 3816239.1, 913.2, 1607.3, 0.0);
(395365.8, 3816222.2, 912.6, 1607.3, 0.0); (395544.2, 3816321.8, 917.6, 1607.3, 0.0);
(395526.2, 3816304.8, 917.0, 1607.3, 0.0); (395508.2, 3816287.8, 916.5, 1607.3, 0.0);
(395490.2, 3816270.8, 915.8, 1607.3, 0.0); (395472.2, 3816253.8, 915.2, 1607.3, 0.0);
(395454.2, 3816236.8, 914.5, 1607.3, 0.0); (395436.2, 3816219.8, 914.0, 1607.3, 0.0);
(395418.1, 3816202.8, 913.4, 1607.3, 0.0); (395400.1, 3816185.8, 913.0, 1607.3, 0.0);
(395578.5, 3816285.4, 920.0, 1607.3, 0.0); (395560.5, 3816268.4, 919.9, 1607.3, 0.0);
(395542.5, 3816251.4, 920.3, 1607.3, 0.0); (395524.5, 3816234.4, 919.9, 1607.3, 0.0);
(395506.5, 3816217.4, 918.5, 1607.3, 0.0); (395488.5, 3816200.4, 916.9, 1607.3, 0.0);
(395470.5, 3816183.4, 916.2, 1607.3, 0.0); (395452.5, 3816166.4, 914.8, 1607.3, 0.0);
(395434.5, 3816149.4, 913.4, 1607.3, 0.0); (395612.8, 3816249.0, 932.7, 1607.3, 0.0);
(395594.8, 3816232.0, 932.6, 1607.3, 0.0); (395576.8, 3816215.0, 933.0, 1607.3, 0.0);
(395558.8, 3816198.0, 934.8, 1607.3, 0.0); (395540.8, 3816181.0, 933.0, 1607.3, 0.0);
(395522.8, 3816164.0, 932.0, 1607.3, 0.0); (395504.8, 3816147.1, 927.4, 1607.3, 0.0);
(395486.8, 3816130.1, 925.9, 1607.3, 0.0); (395468.8, 3816113.1, 921.0, 1607.3, 0.0);
(395647.1, 3816212.7, 934.2, 1607.3, 0.0); (395629.1, 3816195.7, 932.4, 1607.3, 0.0);
(395611.1, 3816178.7, 928.4, 1607.3, 0.0); (395593.1, 3816161.7, 923.9, 1607.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(395575.1, 3816144.7, 921.5, 1607.3, 0.0); (395557.1, 3816127.7, 919.0, 1607.3, 0.0);

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3816093.7,     916.7,    1607.3,       0.0);
     ( 395503.1, 3816076.7,     916.0,    1607.3,       0.0);         ( 395681.5,
3816176.3,     922.8,    1607.3,       0.0);
     ( 395663.5, 3816159.3,     921.5,    1607.3,       0.0);         ( 395645.5,
3816142.3,     920.9,    1607.3,       0.0);
     ( 395627.5, 3816125.3,     920.0,    1607.3,       0.0);         ( 395609.5,
3816108.3,     919.2,    1607.3,       0.0);
     ( 395591.4, 3816091.3,     918.5,    1607.3,       0.0);         ( 395573.4,
3816074.3,     917.8,    1607.3,       0.0);
     ( 395555.4, 3816057.3,     917.4,    1607.3,       0.0);         ( 395537.4,
3816040.3,     917.5,    1607.3,       0.0);
     ( 395732.1, 3816086.6,     922.2,    1607.3,       0.0);         ( 395714.1,
3816069.6,     921.3,    1607.3,       0.0);
     ( 395696.1, 3816052.6,     921.3,    1607.3,       0.0);         ( 395678.1,
3816035.6,     920.9,    1607.3,       0.0);
     ( 395660.1, 3816018.6,     920.7,    1607.3,       0.0);         ( 395642.1,
3816001.6,     920.1,    1607.3,       0.0);
     ( 395624.1, 3815984.6,     919.8,    1607.3,       0.0);         ( 395606.1,
3815967.6,     920.4,    1607.3,       0.0);
     ( 395800.7, 3816013.9,     925.5,    1607.3,       0.0);         ( 395782.7,
3815996.9,     925.2,    1607.3,       0.0);
     ( 395764.7, 3815979.9,     925.3,    1607.3,       0.0);         ( 395746.7,
3815962.9,     924.8,    1607.3,       0.0);
     ( 395728.7, 3815945.9,     924.0,    1607.3,       0.0);         ( 395710.7,
3815928.9,     924.0,    1607.3,       0.0);
     ( 395692.7, 3815911.9,     925.1,    1607.3,       0.0);         ( 395674.7,
3815894.9,     926.9,    1607.3,       0.0);
     ( 395869.4, 3815941.1,     944.0,    1607.3,       0.0);         ( 395851.4,
3815924.1,     942.8,    1607.3,       0.0);
     ( 395833.4, 3815907.1,     938.1,    1607.3,       0.0);         ( 395815.4,
3815890.2,     939.0,    1607.3,       0.0);
     ( 395797.4, 3815873.2,     943.8,    1607.3,       0.0);         ( 395779.4,
3815856.2,     948.8,    1607.3,       0.0);
     ( 395761.3, 3815839.2,     945.4,    1607.3,       0.0);         ( 395743.3,
3815822.2,     940.4,    1607.3,       0.0);
     ( 395920.0, 3815851.4,     956.5,    1607.3,       0.0);         ( 395902.0,
3815834.4,     955.2,    1607.3,       0.0);
     ( 395884.0, 3815817.4,     955.5,    1607.3,       0.0);         ( 395866.0,
3815800.4,     955.8,    1607.3,       0.0);
     ( 395848.0, 3815783.4,     949.6,    1607.3,       0.0);         ( 395830.0,
3815766.4,     943.9,    1607.3,       0.0);
     ( 395812.0, 3815749.5,     942.6,    1607.3,       0.0);         ( 395988.7,
3815778.7,     964.6,    1607.3,       0.0);
     ( 395970.6, 3815761.7,     963.8,    1607.3,       0.0);         ( 395952.6,
3815744.7,     960.6,    1607.3,       0.0);
     ( 395934.6, 3815727.7,     953.0,    1607.3,       0.0);         ( 395916.6,
3815710.7,     950.5,    1607.3,       0.0);
     ( 395898.6, 3815693.7,     950.4,    1607.3,       0.0);         ( 395880.6,
3815676.7,     952.7,    1607.3,       0.0);
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     ( 396142.2, 3815579.9,     979.0,    1607.3,       0.0);         ( 396124.2,
3815562.9,     977.1,    1607.3,       0.0);
     ( 396106.2, 3815545.9,     976.9,    1607.3,       0.0);         ( 396088.2,
3815528.9,     978.8,    1607.3,       0.0);
     ( 396070.2, 3815511.9,     982.4,    1607.3,       0.0);         ( 396052.2,
3815494.9,     977.5,    1607.3,       0.0);
     ( 396295.8, 3815381.1,    1057.1,    1356.4,       0.0);         ( 396277.8,
3815364.1,    1047.1,    1356.4,       0.0);
     ( 396259.8, 3815347.1,    1036.2,    1356.4,       0.0);         ( 396241.8,
3815330.1,    1026.6,    1607.3,       0.0);
     ( 396223.8, 3815313.1,    1016.1,    1607.3,       0.0);         ( 396467.4,
3815199.3,    1082.1,    1356.4,       0.0);
     ( 396449.4, 3815182.3,    1070.3,    1356.4,       0.0);         ( 396431.4,
3815165.3,    1060.1,    1356.4,       0.0);
     ( 396413.4, 3815148.3,    1053.5,    1356.4,       0.0);         ( 396395.4,
3815131.3,    1050.6,    1356.4,       0.0);
     ( 396621.0, 3815000.5,    1105.5,    1356.4,       0.0);         ( 396603.0,
3814983.5,    1113.0,    1356.4,       0.0);
     ( 396585.0, 3814966.5,    1123.9,    1356.4,       0.0);         ( 396567.0,
3814949.5,    1132.5,    1356.4,       0.0);
     ( 396928.2, 3814602.9,    1067.5,    1607.3,       0.0);         ( 396910.2,
3814585.9,    1072.7,    1607.3,       0.0);
     ( 397253.4, 3814222.3,    1108.2,    1607.3,       0.0);         ( 399950.2,
3811725.7,    1215.8,    2170.7,       0.0);
     ( 400865.4, 3810756.1,    1350.4,    2170.7,       0.0);         ( 400847.4,
3810739.1,    1348.4,    2170.7,       0.0);
     ( 400829.4, 3810722.1,    1350.3,    2170.7,       0.0);         ( 400811.4,
3810705.1,    1351.9,    2170.7,       0.0);
     ( 400793.4, 3810688.1,    1360.0,    2170.7,       0.0);         ( 400775.4,
3810671.1,    1370.9,    2170.7,       0.0);
     ( 401780.6, 3809786.4,    1514.4,    2170.7,       0.0);         ( 401762.6,
3809769.4,    1522.8,    2170.7,       0.0);
     ( 401744.6, 3809752.4,    1543.4,    2170.7,       0.0);         ( 401726.6,
3809735.4,    1562.5,    2170.7,       0.0);
     ( 401708.6, 3809718.4,    1580.6,    2170.7,       0.0);         ( 401690.6,
3809701.5,    1598.1,    2170.7,       0.0);
     ( 401672.6, 3809684.5,    1610.5,    2084.7,       0.0);         ( 401654.6,
3809667.5,    1616.6,    2084.7,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
    ( 401636.6, 3809650.5,    1623.1,    2084.7,       0.0);         ( 401618.6,
3809633.5,    1631.8,    1793.5,       0.0);
    ( 401600.6, 3809616.5,    1633.3,    1793.5,       0.0);         ( 402695.8,
3808816.8,    1690.3,    2170.7,       0.0);
    ( 402677.8, 3808799.8,    1699.6,    2170.7,       0.0);         ( 402659.8,
3808782.8,    1707.7,    2170.7,       0.0);
    ( 402641.8, 3808765.8,    1714.3,    2170.7,       0.0);         ( 402623.8,
3808748.8,    1709.8,    2170.7,       0.0);
    ( 402605.8, 3808731.8,    1702.2,    2170.7,       0.0);         ( 402587.8,
3808714.8,    1700.6,    2170.7,       0.0);
    ( 402569.8, 3808697.8,    1702.7,    2170.7,       0.0);         ( 402551.8,
3808680.8,    1703.2,    2170.7,       0.0);
    ( 402533.8, 3808663.8,    1699.9,    2170.7,       0.0);         ( 402515.8,
3808646.8,    1689.2,    2170.7,       0.0);
    ( 403611.0, 3807847.1,    1458.1,    2170.7,       0.0);         ( 403593.0,
3807830.2,    1460.0,    2170.7,       0.0);
    ( 403575.0, 3807813.2,    1462.5,    2170.7,       0.0);         ( 403557.0,
3807796.2,    1465.6,    2170.7,       0.0);
    ( 403539.0, 3807779.2,    1469.9,    2170.7,       0.0);         ( 403521.0,
3807762.2,    1475.1,    2170.7,       0.0);
    ( 403503.0, 3807745.2,    1480.0,    2170.7,       0.0);         ( 403485.0,
3807728.2,    1483.7,    2170.7,       0.0);
    ( 403467.0, 3807711.2,    1494.9,    2170.7,       0.0);         ( 403449.0,
3807694.2,    1505.9,    2170.7,       0.0);
    ( 403431.0, 3807677.2,    1514.8,    2170.7,       0.0);         ( 395291.7,
3816263.9,     913.2,    1439.0,       0.0);
    ( 395257.8, 3816246.2,     912.8,    1439.0,       0.0);         ( 395303.3,
3816241.7,     911.6,    1605.2,       0.0);
    ( 395269.3, 3816224.0,     910.6,    1439.0,       0.0);         ( 395314.8,
3816219.5,     911.3,    1607.0,       0.0);
    ( 395280.8, 3816201.8,     910.9,    1605.2,       0.0);         ( 395343.3,
3816206.1,     911.8,    1607.3,       0.0);
    ( 395309.3, 3816188.5,     911.2,    1607.3,       0.0);         ( 395275.4,
3816170.8,     910.6,    1607.0,       0.0);
    ( 395377.6, 3816169.8,     912.5,    1607.3,       0.0);         ( 395349.4,
3816152.9,     912.1,    1607.3,       0.0);
    ( 395315.4, 3816135.3,     911.6,    1607.3,       0.0);         ( 395404.4,
3816128.1,     912.9,    1607.3,       0.0);
    ( 395372.4, 3816108.6,     912.7,    1607.3,       0.0);         ( 395338.5,
3816090.9,     911.9,    1607.3,       0.0);
    ( 395426.5, 3816083.0,     914.1,    1607.3,       0.0);         ( 395395.5,
3816064.2,     913.3,    1607.3,       0.0);
    ( 395361.5, 3816046.6,     912.4,    1607.3,       0.0);         ( 395449.0,
3816038.3,     914.9,    1607.3,       0.0);
    ( 395476.1, 3816057.5,     915.4,    1607.3,       0.0);         ( 395418.5,
3816019.8,     913.9,    1607.3,       0.0);
    ( 395384.6, 3816002.2,     913.3,    1607.3,       0.0);         ( 395471.7,
3815993.6,     917.2,    1607.3,       0.0);
    ( 395498.0, 3816012.3,     917.7,    1607.3,       0.0);         ( 395441.6,
3815975.5,     916.0,    1607.3,       0.0);
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     ( 395407.6, 3815957.8,     915.0,    1607.3,       0.0);         ( 395519.2,
3815905.9,     922.1,    1607.3,       0.0);
     ( 395548.1, 3815926.4,     922.4,    1607.3,       0.0);         ( 395577.1,
3815947.0,     921.9,    1607.3,       0.0);
     ( 395487.7, 3815886.8,     921.5,    1607.3,       0.0);         ( 395453.7,
3815869.1,     920.5,    1607.3,       0.0);
     ( 395566.3, 3815817.8,     927.5,    1607.3,       0.0);         ( 395597.3,
3815839.9,     928.0,    1607.3,       0.0);
     ( 395628.2, 3815861.9,     929.3,    1607.3,       0.0);         ( 395533.8,
3815798.0,     927.5,    1607.3,       0.0);
     ( 395499.8, 3815780.4,     927.8,    1607.3,       0.0);         ( 395611.6,
3815728.5,     937.9,    1607.3,       0.0);
     ( 395640.8, 3815749.3,     935.3,    1607.3,       0.0);         ( 395670.1,
3815770.1,     933.6,    1607.3,       0.0);
     ( 395699.4, 3815791.0,     934.9,    1607.3,       0.0);         ( 395579.9,
3815709.3,     934.7,    1607.3,       0.0);
     ( 395546.0, 3815691.6,     933.7,    1607.3,       0.0);         ( 395658.4,
3815640.3,     945.0,    1607.3,       0.0);
     ( 395689.1, 3815662.1,     947.8,    1607.3,       0.0);         ( 395719.8,
3815684.0,     951.0,    1607.3,       0.0);
     ( 395750.5, 3815705.8,     948.3,    1607.3,       0.0);         ( 395781.3,
3815727.6,     942.2,    1607.3,       0.0);
     ( 395626.0, 3815620.5,     947.9,    1607.3,       0.0);         ( 395592.1,
3815602.9,     945.5,    1607.3,       0.0);
     ( 395703.9, 3815551.1,     956.1,    1607.3,       0.0);         ( 395733.3,
3815572.0,     957.8,    1607.3,       0.0);
     ( 395762.8, 3815593.0,     960.5,    1607.3,       0.0);         ( 395792.2,
3815613.9,     962.9,    1607.3,       0.0);
     ( 395821.7, 3815634.9,     965.6,    1607.3,       0.0);         ( 395851.2,
3815655.8,     961.5,    1607.3,       0.0);
     ( 395672.1, 3815531.8,     953.3,    1607.3,       0.0);         ( 395638.2,
3815514.2,     951.8,    1607.3,       0.0);
     ( 395819.9, 3815329.8,     974.5,    1607.3,       0.0);         ( 395850.9,
3815351.8,     980.9,    1607.3,       0.0);
     ( 395881.8, 3815373.8,     987.2,    1607.3,       0.0);         ( 395912.8,
3815395.9,     995.9,    1607.0,       0.0);
     ( 395943.8, 3815417.9,     995.3,    1607.3,       0.0);         ( 395974.8,
3815439.9,     984.2,    1607.3,       0.0);
     ( 396005.8, 3815461.9,     973.9,    1607.3,       0.0);         ( 395787.4,
3815310.0,     971.3,    1607.3,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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                                    PAGE 193
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

(395753.5, 3815292.3, 972.3, 1607.3, 0.0); (395934.9, 3815107.8, 993.3, 1607.3, 0.0);
(395965.3, 3815129.4, 998.5, 1607.3, 0.0); (395995.7, 3815151.0, 1005.6, 1607.3, 0.0);
(396026.1, 3815172.6, 1015.0, 1356.4, 0.0); (396056.5, 3815194.2, 1015.0, 1607.0, 0.0);
(396087.0, 3815215.8, 1005.8, 1607.3, 0.0); (396117.4, 3815237.5, 995.4, 1607.3, 0.0);
(396147.8, 3815259.1, 1003.6, 1607.3, 0.0); (396178.2, 3815280.7, 1009.5, 1607.3, 0.0);
(395902.7, 3815088.1, 993.9, 1607.3, 0.0); (395868.7, 3815070.5, 993.6, 1607.3, 0.0);
(396050.0, 3814885.8, 1020.1, 1607.0, 0.0); (396080.0, 3814907.1, 1021.6, 1607.3, 0.0);
(396110.1, 3814928.5, 1024.0, 1607.3, 0.0); (396140.1, 3814949.8, 1027.6, 1607.0, 0.0);
(396170.1, 3814971.2, 1030.1, 1607.0, 0.0); (396200.2, 3814992.5, 1028.2, 1607.3, 0.0);
(396230.2, 3815013.9, 1025.3, 1607.3, 0.0); (396260.2, 3815035.2, 1026.7, 1607.3, 0.0);
(396290.3, 3815056.6, 1027.0, 1607.3, 0.0); (396320.3, 3815077.9, 1034.4, 1607.3, 0.0);
(396350.4, 3815099.3, 1044.3, 1607.0, 0.0); (396018.0, 3814866.3, 1020.5, 1356.4, 0.0);
(395984.0, 3814848.7, 1019.8, 1356.4, 0.0); (396165.7, 3814664.3, 1069.7, 1356.4, 0.0);
(396196.5, 3814686.2, 1088.3, 1356.4, 0.0); (396227.4, 3814708.1, 1108.8, 1356.4, 0.0);
(396258.3, 3814730.1, 1125.3, 1356.4, 0.0); (396289.2, 3814752.0, 1120.0, 1356.4, 0.0);
(396320.0, 3814774.0, 1101.6, 1356.4, 0.0); (396350.9, 3814795.9, 1085.6, 1356.4, 0.0);
(396381.8, 3814817.9, 1070.8, 1356.4, 0.0); (396412.7, 3814839.8, 1073.7, 1356.4, 0.0);
(396443.5, 3814861.7, 1090.0, 1356.4, 0.0); (396474.4, 3814883.7, 1094.4, 1356.4, 0.0);
(396505.3, 3814905.6, 1107.7, 1356.4, 0.0); (396536.1, 3814927.6, 1123.7, 1356.4, 0.0);
(396133.3, 3814644.5, 1055.2, 1356.4, 0.0); (396099.3, 3814626.8, 1051.8, 1356.4, 0.0);
(396396.4, 3814220.7, 1163.9, 1356.4, 0.0); (396427.5, 3814242.8, 1150.8, 1356.4, 0.0);
(396458.6, 3814265.0, 1139.4, 1356.4, 0.0); (396489.8, 3814287.1, 1132.5, 1356.4, 0.0);
(396520.9, 3814309.2, 1137.1, 1356.4, 0.0); (396552.1, 3814331.4, 1146.0, 1356.4, 0.0);
(396583.2, 3814353.5, 1152.6, 1356.4, 0.0); (396614.4, 3814375.6, 1150.8, 1356.4, 0.0);

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     ( 396645.5, 3814397.8,    1144.0,    1356.4,       0.0);         ( 396676.6,
3814419.9,    1131.5,    1356.4,       0.0);
     ( 396707.8, 3814442.0,    1117.1,    1356.4,       0.0);         ( 396738.9,
3814464.2,    1103.7,    1356.4,       0.0);
     ( 396770.1, 3814486.3,    1096.1,    1607.3,       0.0);         ( 396801.2,
3814508.4,    1089.9,    1607.3,       0.0);
     ( 396832.4, 3814530.6,    1084.9,    1607.3,       0.0);         ( 396863.5,
3814552.7,    1081.2,    1607.3,       0.0);
     ( 396363.8, 3814200.8,    1174.8,    1356.4,       0.0);         ( 396329.8,
3814183.1,    1192.9,    1356.4,       0.0);
     ( 396626.6, 3813776.8,    1327.1,    1356.4,       0.0);         ( 396657.2,
3813798.5,    1322.2,    1356.4,       0.0);
     ( 396687.8, 3813820.3,    1308.5,    1356.4,       0.0);         ( 396718.4,
3813842.0,    1291.4,    1356.4,       0.0);
     ( 396748.9, 3813863.7,    1272.3,    1356.4,       0.0);         ( 396779.5,
3813885.5,    1260.0,    1356.4,       0.0);
     ( 396810.1, 3813907.2,    1253.3,    1356.4,       0.0);         ( 396840.7,
3813928.9,    1248.8,    1356.4,       0.0);
     ( 396871.2, 3813950.7,    1236.8,    1356.4,       0.0);         ( 396901.8,
3813972.4,    1217.0,    1356.4,       0.0);
     ( 396932.4, 3813994.1,    1200.1,    1356.4,       0.0);         ( 396963.0,
3814015.8,    1186.0,    1356.4,       0.0);
     ( 396993.5, 3814037.6,    1171.1,    1356.4,       0.0);         ( 397024.1,
3814059.3,    1155.6,    1356.4,       0.0);
     ( 397054.7, 3814081.0,    1146.4,    1356.4,       0.0);         ( 397085.3,
3814102.8,    1142.8,    1356.4,       0.0);
     ( 397115.8, 3814124.5,    1143.7,    1356.4,       0.0);         ( 397146.4,
3814146.2,    1140.8,    1607.0,       0.0);
     ( 397177.0, 3814167.9,    1133.2,    1607.3,       0.0);         ( 397207.5,
3814189.7,    1123.2,    1607.3,       0.0);
     ( 396594.4, 3813757.1,    1312.5,    1356.4,       0.0);         ( 396560.4,
3813739.5,    1292.6,    1356.4,       0.0);
     ( 396857.3, 3813333.2,    1276.9,    1356.4,       0.0);         ( 396888.1,
3813355.1,    1294.8,    1356.4,       0.0);
     ( 396918.9, 3813377.0,    1290.5,    1356.4,       0.0);         ( 396949.7,
3813398.9,    1280.6,    1356.4,       0.0);
     ( 396980.5, 3813420.8,    1280.2,    1356.4,       0.0);         ( 397011.3,
3813442.7,    1287.6,    1356.4,       0.0);
     ( 397042.1, 3813464.6,    1295.6,    1356.4,       0.0);         ( 397072.9,
3813486.5,    1279.3,    1356.4,       0.0);
     ( 397103.7, 3813508.4,    1262.1,    1356.4,       0.0);         ( 397134.5,
3813530.3,    1243.9,    1356.4,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(397165.3, 3813552.2, 1225.5, 1356.4, 0.0); (397196.2, 3813574.0, 1215.9, 1356.4, 0.0);
(397227.0, 3813595.9, 1209.8, 1356.4, 0.0); (397257.8, 3813617.8, 1209.8, 1356.4, 0.0);
(397288.6, 3813639.7, 1202.6, 1356.4, 0.0); (397319.4, 3813661.6, 1191.9, 1356.4, 0.0);
(397350.2, 3813683.5, 1175.9, 1356.4, 0.0); (397381.0, 3813705.4, 1161.1, 1607.3, 0.0);
(397411.8, 3813727.3, 1145.9, 1607.3, 0.0); (397442.6, 3813749.2, 1131.9, 1607.3, 0.0);
(397473.4, 3813771.1, 1116.8, 1709.0, 0.0); (397504.2, 3813793.0, 1098.8, 1709.0, 0.0);
(397535.0, 3813814.9, 1082.9, 1709.0, 0.0); (397565.8, 3813836.8, 1070.3, 1709.0, 0.0);
(396824.9, 3813313.5, 1252.6, 1356.4, 0.0); (396791.0, 3813295.8, 1227.8, 1356.4, 0.0);
(397088.0, 3812889.6, 1175.5, 1356.4, 0.0); (397118.9, 3812911.6, 1194.7, 1356.4, 0.0);
(397149.9, 3812933.6, 1198.4, 1356.4, 0.0); (397180.9, 3812955.7, 1203.8, 1356.4, 0.0);
(397211.9, 3812977.7, 1195.2, 1356.4, 0.0); (397242.8, 3812999.7, 1187.8, 1356.4, 0.0);
(397273.8, 3813021.7, 1176.2, 1356.4, 0.0); (397304.8, 3813043.7, 1174.3, 1356.4, 0.0);
(397335.8, 3813065.7, 1176.6, 1356.4, 0.0); (397366.7, 3813087.8, 1175.6, 1356.4, 0.0);
(397397.7, 3813109.8, 1164.4, 1605.7, 0.0); (397428.7, 3813131.8, 1149.6, 1709.0, 0.0);
(397459.7, 3813153.8, 1137.8, 1709.0, 0.0); (397490.6, 3813175.8, 1129.2, 1709.0, 0.0);
(397521.6, 3813197.8, 1118.7, 1709.0, 0.0); (397552.6, 3813219.8, 1110.2, 1709.0, 0.0);
(397583.6, 3813241.9, 1105.9, 2083.7, 0.0); (397614.5, 3813263.9, 1102.1, 2084.7, 0.0);
(397645.5, 3813285.9, 1099.5, 2084.7, 0.0); (397676.5, 3813307.9, 1096.5, 2084.7, 0.0);
(397707.5, 3813329.9, 1096.0, 2084.7, 0.0); (397738.5, 3813351.9, 1087.0, 2084.7, 0.0);
(397769.4, 3813374.0, 1080.2, 2084.7, 0.0); (397800.4, 3813396.0, 1079.8, 2084.7, 0.0);
(397831.4, 3813418.0, 1078.4, 2084.7, 0.0); (397862.4, 3813440.0, 1077.4, 2084.7, 0.0);
(397055.5, 3812869.8, 1156.3, 1356.4, 0.0); (397021.5, 3812852.1, 1161.4, 1356.4, 0.0);
(397702.8, 3811706.5, 1163.4, 2170.7, 0.0); (397734.0, 3811728.7, 1168.7, 2170.7, 0.0);

(397765.1, 3811750.8,   1172.0,   2170.7,   0.0);   (397796.3,
3811772.9,   1164.0,   2170.7,   0.0);
     (397827.4, 3811795.1,   1157.2,   2170.7,   0.0);   (397858.5,
3811817.2,   1156.8,   2170.7,   0.0);
     (397889.7, 3811839.3,   1153.5,   2170.7,   0.0);   (397920.8,
3811861.5,   1150.3,   2170.7,   0.0);
     (397952.0, 3811883.6,   1143.6,   2170.7,   0.0);   (397983.1,
3811905.7,   1137.9,   2170.7,   0.0);
     (398014.2, 3811927.9,   1136.4,   2170.7,   0.0);   (398045.4,
3811950.0,   1135.4,   2170.7,   0.0);
     (398076.5, 3811972.1,   1128.9,   2170.7,   0.0);   (398107.7,
3811994.3,   1130.9,   2170.7,   0.0);
     (398138.8, 3812016.4,   1132.2,   2170.7,   0.0);   (398169.9,
3812038.5,   1127.2,   2170.7,   0.0);
     (398201.1, 3812060.6,   1124.2,   2170.7,   0.0);   (398232.2,
3812082.8,   1128.5,   2170.7,   0.0);
     (398263.3, 3812104.9,   1135.5,   2170.7,   0.0);   (398294.5,
3812127.0,   1144.2,   2170.7,   0.0);
     (398325.6, 3812149.2,   1144.4,   2170.7,   0.0);   (398356.8,
3812171.3,   1144.0,   2170.7,   0.0);
     (398387.9, 3812193.4,   1144.0,   2170.7,   0.0);   (398419.0,
3812215.6,   1144.1,   2170.7,   0.0);
     (398450.2, 3812237.7,   1144.5,   2170.7,   0.0);   (398481.3,
3812259.8,   1144.8,   2170.7,   0.0);
     (398512.5, 3812282.0,   1145.3,   2170.7,   0.0);   (398543.6,
3812304.1,   1145.7,   2170.7,   0.0);
     (398574.8, 3812326.2,   1146.5,   2170.7,   0.0);   (398605.9,
3812348.4,   1147.5,   2170.7,   0.0);
     (398637.0, 3812370.5,   1147.8,   2170.7,   0.0);   (398668.2,
3812392.6,   1147.8,   2170.7,   0.0);
     (398699.3, 3812414.8,   1147.9,   2170.7,   0.0);   (397670.3,
3811686.7,   1154.8,   2170.7,   0.0);
     (397636.3, 3811669.0,   1137.0,   2170.7,   0.0);   (398317.5,
3810523.3,   1113.5,   2170.7,   0.0);
     (398348.5, 3810545.3,   1118.2,   2170.7,   0.0);   (398379.4,
3810567.3,   1127.4,   2170.7,   0.0);
     (398410.3, 3810589.2,   1136.2,   2170.7,   0.0);   (398441.2,
3810611.2,   1141.2,   2170.7,   0.0);
     (398472.1, 3810633.2,   1146.2,   2170.7,   0.0);   (398503.0,
3810655.1,   1157.1,   2170.7,   0.0);
     (398533.9, 3810677.1,   1167.5,   2170.7,   0.0);   (398564.8,
3810699.1,   1178.9,   2170.7,   0.0);
     (398595.7, 3810721.0,   1196.9,   2170.7,   0.0);   (398626.6,
3810743.0,   1194.6,   2170.7,   0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(398657.5, 3810765.0, 1186.4, 2170.7, 0.0); (398688.4, 3810786.9, 1189.0, 2170.7, 0.0);
(398719.3, 3810808.9, 1199.5, 2170.7, 0.0); (398750.2, 3810830.9, 1216.3, 2170.7, 0.0);
(398781.2, 3810852.8, 1232.9, 2170.7, 0.0); (398812.1, 3810874.8, 1246.2, 2170.7, 0.0);
(398843.0, 3810896.8, 1251.9, 2170.7, 0.0); (398873.9, 3810918.7, 1265.6, 2170.7, 0.0);
(398904.8, 3810940.7, 1287.0, 2170.7, 0.0); (398935.7, 3810962.7, 1304.6, 2170.7, 0.0);
(398966.6, 3810984.6, 1316.8, 2170.7, 0.0); (398997.5, 3811006.6, 1315.8, 2170.7, 0.0);
(399028.4, 3811028.6, 1306.9, 2170.7, 0.0); (399059.3, 3811050.5, 1299.7, 2170.7, 0.0);
(399090.2, 3811072.5, 1292.6, 2170.7, 0.0); (399121.1, 3811094.5, 1287.6, 2170.7, 0.0);
(399152.0, 3811116.4, 1275.6, 2170.7, 0.0); (399183.0, 3811138.4, 1264.6, 2170.7, 0.0);
(399213.9, 3811160.4, 1264.4, 2170.7, 0.0); (399244.8, 3811182.3, 1274.0, 2170.7, 0.0);
(399275.7, 3811204.3, 1267.5, 2170.7, 0.0); (399306.6, 3811226.3, 1257.2, 2170.7, 0.0);
(399337.5, 3811248.2, 1253.0, 2170.7, 0.0); (399368.4, 3811270.2, 1254.7, 2170.7, 0.0);
(399399.3, 3811292.2, 1239.3, 2170.7, 0.0); (399430.2, 3811314.1, 1230.9, 2170.7, 0.0);
(399461.1, 3811336.1, 1231.5, 2170.7, 0.0); (399492.0, 3811358.1, 1234.4, 2170.7, 0.0);
(399522.9, 3811380.0, 1224.9, 2170.7, 0.0); (399553.8, 3811402.0, 1210.8, 2170.7, 0.0);
(398285.1, 3810503.5, 1113.4, 2170.7, 0.0); (398251.1, 3810485.9, 1113.0, 2170.7, 0.0);
(398932.4, 3809340.3, 1147.0, 2170.7, 0.0); (398963.4, 3809362.3, 1152.1, 2170.7, 0.0);
(398994.5, 3809384.4, 1166.0, 2170.7, 0.0); (399025.5, 3809406.4, 1168.7, 2170.7, 0.0);
(399056.5, 3809428.5, 1162.4, 2170.7, 0.0); (399087.5, 3809450.5, 1151.2, 2170.7, 0.0);
(399118.6, 3809472.6, 1147.8, 2170.7, 0.0); (399149.6, 3809494.6, 1155.4, 2170.7, 0.0);
(399180.6, 3809516.7, 1161.1, 2170.7, 0.0); (399211.6, 3809538.7, 1159.2, 2170.7, 0.0);
(399242.7, 3809560.8, 1150.4, 2170.7, 0.0); (399273.7, 3809582.8, 1159.0, 2170.7, 0.0);

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     ( 399304.7, 3809604.9,    1166.8,    2170.7,       0.0);         ( 399335.8,
3809626.9,    1164.4,    2170.7,       0.0);
     ( 399366.8, 3809649.0,    1160.9,    2170.7,       0.0);         ( 399397.8,
3809671.0,    1162.2,    2170.7,       0.0);
     ( 399428.8, 3809693.1,    1163.2,    2170.7,       0.0);         ( 399459.9,
3809715.1,    1171.4,    2170.7,       0.0);
     ( 399490.9, 3809737.2,    1175.3,    2170.7,       0.0);         ( 399521.9,
3809759.2,    1179.4,    2170.7,       0.0);
     ( 399552.9, 3809781.3,    1190.4,    2170.7,       0.0);         ( 399584.0,
3809803.3,    1200.7,    2170.7,       0.0);
     ( 399615.0, 3809825.4,    1200.6,    2170.7,       0.0);         ( 399646.0,
3809847.4,    1200.1,    2170.7,       0.0);
     ( 399677.0, 3809869.5,    1201.1,    2170.7,       0.0);         ( 399708.1,
3809891.5,    1208.0,    2170.7,       0.0);
     ( 399739.1, 3809913.6,    1219.7,    2170.7,       0.0);         ( 399770.1,
3809935.6,    1229.2,    2170.7,       0.0);
     ( 399801.1, 3809957.7,    1235.3,    2170.7,       0.0);         ( 399832.2,
3809979.7,    1232.0,    2170.7,       0.0);
     ( 399863.2, 3810001.8,    1228.5,    2170.7,       0.0);         ( 399894.2,
3810023.8,    1245.9,    2170.7,       0.0);
     ( 399925.2, 3810045.9,    1246.2,    2170.7,       0.0);         ( 399956.3,
3810067.9,    1230.5,    2170.7,       0.0);
     ( 399987.3, 3810090.0,    1220.1,    2170.7,       0.0);         ( 400018.3,
3810112.0,    1216.5,    2170.7,       0.0);
     ( 400049.3, 3810134.1,    1223.2,    2170.7,       0.0);         ( 400080.4,
3810156.1,    1231.0,    2170.7,       0.0);
     ( 400111.4, 3810178.2,    1239.6,    2170.7,       0.0);         ( 400142.4,
3810200.2,    1255.4,    2170.7,       0.0);
     ( 400173.5, 3810222.3,    1277.5,    2170.7,       0.0);         ( 400204.5,
3810244.3,    1297.3,    2170.7,       0.0);
     ( 400235.5, 3810266.4,    1298.9,    2170.7,       0.0);         ( 400266.5,
3810288.4,    1284.9,    2170.7,       0.0);
     ( 400297.6, 3810310.5,    1292.8,    2170.7,       0.0);         ( 400328.6,
3810332.5,    1294.1,    2170.7,       0.0);
     ( 400359.6, 3810354.6,    1298.9,    2170.7,       0.0);         ( 400390.6,
3810376.6,    1316.1,    2170.7,       0.0);
     ( 400421.7, 3810398.7,    1343.3,    2170.7,       0.0);         ( 400452.7,
3810420.8,    1367.1,    2170.7,       0.0);
     ( 398899.9, 3809320.4,    1140.9,    2170.7,       0.0);         ( 398866.0,
3809302.8,    1138.1,    2170.7,       0.0);
     ( 399547.3, 3808157.2,    1317.0,    2170.7,       0.0);         ( 399578.4,
3808179.3,    1327.4,    2170.7,       0.0);
     ( 399609.5, 3808201.4,    1332.4,    2170.7,       0.0);         ( 399640.6,
3808223.5,    1338.4,    2170.7,       0.0);
     ( 399671.7, 3808245.6,    1327.3,    2170.7,       0.0);         ( 399702.8,
3808267.7,    1306.2,    2170.7,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                         ***       09:14:47
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(399733.9, 3808289.8, 1284.5, 2170.7, 0.0); (399765.0, 3808311.9, 1266.9, 2170.7, 0.0);
(399796.2, 3808334.1, 1251.0, 2170.7, 0.0); (399827.3, 3808356.2, 1248.6, 2170.7, 0.0);
(399858.4, 3808378.3, 1240.3, 2170.7, 0.0); (399889.5, 3808400.4, 1231.7, 2170.7, 0.0);
(399920.6, 3808422.5, 1230.2, 2170.7, 0.0); (399951.7, 3808444.6, 1227.7, 2170.7, 0.0);
(399982.8, 3808466.7, 1222.6, 2170.7, 0.0); (400013.9, 3808488.8, 1221.8, 2170.7, 0.0);
(400045.0, 3808510.9, 1226.4, 2170.7, 0.0); (400076.2, 3808533.1, 1225.9, 2170.7, 0.0);
(400107.3, 3808555.2, 1228.8, 2170.7, 0.0); (400138.4, 3808577.3, 1233.0, 2170.7, 0.0);
(400169.5, 3808599.4, 1239.9, 2170.7, 0.0); (400200.6, 3808621.5, 1252.0, 2170.7, 0.0);
(400231.7, 3808643.6, 1260.5, 2170.7, 0.0); (400262.8, 3808665.7, 1279.7, 2170.7, 0.0);
(400293.9, 3808687.8, 1299.3, 2170.7, 0.0); (400325.0, 3808709.9, 1321.6, 2170.7, 0.0);
(400356.1, 3808732.0, 1331.4, 2170.7, 0.0); (400387.3, 3808754.2, 1343.5, 2170.7, 0.0);
(400418.4, 3808776.3, 1343.1, 2170.7, 0.0); (400449.5, 3808798.4, 1338.3, 2170.7, 0.0);
(400480.6, 3808820.5, 1356.8, 2170.7, 0.0); (400511.7, 3808842.6, 1382.6, 2170.7, 0.0);
(400542.8, 3808864.7, 1387.5, 2170.7, 0.0); (400573.9, 3808886.8, 1392.3, 2170.7, 0.0);
(400605.0, 3808908.9, 1394.8, 2170.7, 0.0); (400636.1, 3808931.0, 1391.9, 2170.7, 0.0);
(400667.3, 3808953.2, 1379.4, 2170.7, 0.0); (400698.4, 3808975.3, 1371.1, 2170.7, 0.0);
(400729.5, 3808997.4, 1364.0, 2170.7, 0.0); (400760.6, 3809019.5, 1346.0, 2170.7, 0.0);
(400791.7, 3809041.6, 1366.4, 2170.7, 0.0); (400822.8, 3809063.7, 1381.8, 2170.7, 0.0);
(400853.9, 3809085.8, 1401.6, 2170.7, 0.0); (400885.0, 3809107.9, 1420.3, 2170.7, 0.0);
(400916.1, 3809130.0, 1445.0, 2170.7, 0.0); (400947.3, 3809152.2, 1468.8, 2170.7, 0.0);
(400978.4, 3809174.3, 1494.9, 2170.7, 0.0); (401009.5, 3809196.4, 1523.9, 2170.7, 0.0);

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     ( 401040.6, 3809218.5,    1549.1,    2170.7,       0.0);         ( 401071.7,
3809240.6,    1573.7,    2170.7,       0.0);
     ( 401102.8, 3809262.7,    1597.9,    2170.7,       0.0);         ( 401133.9,
3809284.8,    1617.2,    2084.7,       0.0);
     ( 401165.0, 3809306.9,    1628.4,    2084.7,       0.0);         ( 401196.1,
3809329.0,    1632.6,    2084.7,       0.0);
     ( 401227.2, 3809351.2,    1634.5,    2083.7,       0.0);         ( 401258.4,
3809373.3,    1648.8,    1709.0,       0.0);
     ( 401289.5, 3809395.4,    1665.2,    1709.0,       0.0);         ( 401320.6,
3809417.5,    1679.1,    1709.0,       0.0);
     ( 401351.7, 3809439.6,    1687.3,    1709.0,       0.0);         ( 401382.8,
3809461.7,    1680.3,    1709.0,       0.0);
     ( 401413.9, 3809483.8,    1668.8,    1709.0,       0.0);         ( 399514.7,
3808137.3,    1302.0,    2170.7,       0.0);
     ( 399480.8, 3808119.6,    1294.7,    2170.7,       0.0);         ( 400162.1,
3806974.1,    1626.4,    2170.7,       0.0);
     ( 400193.3, 3806996.2,    1632.0,    2170.7,       0.0);         ( 400224.5,
3807018.4,    1625.0,    2170.7,       0.0);
     ( 400255.6, 3807040.5,    1610.0,    2170.7,       0.0);         ( 400286.8,
3807062.7,    1585.5,    2170.7,       0.0);
     ( 400318.0, 3807084.8,    1559.0,    2170.7,       0.0);         ( 400349.2,
3807107.0,    1530.8,    2170.7,       0.0);
     ( 400380.3, 3807129.2,    1505.7,    2170.7,       0.0);         ( 400411.5,
3807151.3,    1491.5,    2170.7,       0.0);
     ( 400442.7, 3807173.5,    1495.9,    2170.7,       0.0);         ( 400473.9,
3807195.6,    1498.7,    2170.7,       0.0);
     ( 400505.0, 3807217.8,    1496.3,    2170.7,       0.0);         ( 400536.2,
3807239.9,    1488.5,    2170.7,       0.0);
     ( 400567.4, 3807262.1,    1480.8,    2170.7,       0.0);         ( 400598.6,
3807284.2,    1470.7,    2170.7,       0.0);
     ( 400629.7, 3807306.4,    1455.2,    2170.7,       0.0);         ( 400660.9,
3807328.6,    1433.2,    2170.7,       0.0);
     ( 400692.1, 3807350.7,    1409.0,    2170.7,       0.0);         ( 400723.2,
3807372.9,    1387.2,    2170.7,       0.0);
     ( 400754.4, 3807395.0,    1368.9,    2170.7,       0.0);         ( 400785.6,
3807417.2,    1351.9,    2170.7,       0.0);
     ( 400816.8, 3807439.3,    1337.1,    2170.7,       0.0);         ( 400848.0,
3807461.5,    1319.2,    2170.7,       0.0);
     ( 400879.1, 3807483.7,    1311.7,    2170.7,       0.0);         ( 400910.3,
3807505.8,    1314.7,    2170.7,       0.0);
     ( 400941.5, 3807528.0,    1321.4,    2170.7,       0.0);         ( 400972.6,
3807550.1,    1338.5,    2170.7,       0.0);
     ( 401003.8, 3807572.3,    1345.8,    2170.7,       0.0);         ( 401035.0,
3807594.4,    1358.0,    2170.7,       0.0);
     ( 401066.2, 3807616.6,    1375.0,    2170.7,       0.0);         ( 401097.3,
3807638.8,    1390.3,    2170.7,       0.0);
     ( 401128.5, 3807660.9,    1407.2,    2170.7,       0.0);         ( 401159.7,
3807683.1,    1428.3,    2170.7,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(401190.9, 3807705.2, 1444.3, 2170.7, 0.0); (401222.0, 3807727.4, 1458.3, 2170.7, 0.0);
(401253.2, 3807749.5, 1475.0, 2170.7, 0.0); (401284.4, 3807771.7, 1493.2, 2170.7, 0.0);
(401315.6, 3807793.8, 1516.0, 2170.7, 0.0); (401346.7, 3807816.0, 1536.6, 2170.7, 0.0);
(401377.9, 3807838.2, 1553.4, 2170.7, 0.0); (401409.1, 3807860.3, 1559.1, 2170.7, 0.0);
(401440.3, 3807882.5, 1548.0, 2170.7, 0.0); (401471.4, 3807904.6, 1523.0, 2170.7, 0.0);
(401502.6, 3807926.8, 1494.5, 2170.7, 0.0); (401533.8, 3807948.9, 1464.8, 2170.7, 0.0);
(401565.0, 3807971.1, 1440.8, 2170.7, 0.0); (401596.1, 3807993.2, 1442.1, 2170.7, 0.0);
(401627.3, 3808015.4, 1465.7, 2170.7, 0.0); (401658.5, 3808037.6, 1486.6, 2170.7, 0.0);
(401689.7, 3808059.7, 1505.0, 2170.7, 0.0); (401720.8, 3808081.9, 1508.9, 2170.7, 0.0);
(401752.0, 3808104.0, 1493.5, 2170.7, 0.0); (401783.2, 3808126.2, 1497.1, 2170.7, 0.0);
(401814.3, 3808148.3, 1515.4, 2170.7, 0.0); (401845.5, 3808170.5, 1515.8, 2170.7, 0.0);
(401876.7, 3808192.6, 1533.6, 2170.7, 0.0); (401907.9, 3808214.8, 1562.7, 2170.7, 0.0);
(401939.0, 3808237.0, 1589.3, 2170.7, 0.0); (401970.2, 3808259.1, 1615.4, 2170.7, 0.0);
(402001.4, 3808281.3, 1624.3, 2170.7, 0.0); (402032.6, 3808303.4, 1628.8, 2170.7, 0.0);
(402063.8, 3808325.6, 1654.8, 2170.7, 0.0); (402094.9, 3808347.7, 1671.8, 2170.7, 0.0);
(402126.1, 3808369.9, 1669.2, 2170.7, 0.0); (402157.3, 3808392.1, 1662.6, 2170.7, 0.0);
(402188.4, 3808414.2, 1646.7, 2170.7, 0.0); (402219.6, 3808436.4, 1625.9, 2170.7, 0.0);
(402250.8, 3808458.5, 1615.1, 2170.7, 0.0); (402282.0, 3808480.7, 1610.3, 2170.7, 0.0);
(402313.1, 3808502.8, 1630.3, 2170.7, 0.0); (402469.0, 3808613.6, 1668.3, 2170.7, 0.0);
(400129.5, 3806954.2, 1625.9, 2170.7, 0.0); (400095.6, 3806936.5, 1637.3, 2170.7, 0.0);

```
    ( 400776.9, 3805790.9,    1539.3,    2170.7,       0.0);         ( 400807.9,
3805813.0,    1528.9,    2170.7,       0.0);
    ( 400839.0, 3805835.0,    1511.6,    2170.7,       0.0);         ( 400870.0,
3805857.1,    1499.6,    2170.7,       0.0);
    ( 400901.0, 3805879.1,    1504.7,    2170.7,       0.0);         ( 400932.1,
3805901.2,    1497.3,    2170.7,       0.0);
    ( 400963.1, 3805923.3,    1489.5,    2170.7,       0.0);         ( 400994.2,
3805945.3,    1502.2,    2170.7,       0.0);
    ( 401025.2, 3805967.4,    1502.9,    2170.7,       0.0);         ( 401056.2,
3805989.5,    1487.4,    2170.7,       0.0);
    ( 401087.3, 3806011.5,    1470.5,    2170.7,       0.0);         ( 401118.3,
3806033.6,    1484.8,    2170.7,       0.0);
    ( 401149.4, 3806055.6,    1513.0,    2170.7,       0.0);         ( 401180.4,
3806077.7,    1539.5,    2170.7,       0.0);
    ( 401211.5, 3806099.8,    1556.5,    2170.7,       0.0);         ( 401242.5,
3806121.8,    1546.2,    2170.7,       0.0);
    ( 401273.5, 3806143.9,    1542.3,    2170.7,       0.0);         ( 401304.6,
3806165.9,    1547.6,    2170.7,       0.0);
    ( 401335.6, 3806188.0,    1566.0,    2170.7,       0.0);         ( 401366.7,
3806210.1,    1576.7,    2170.7,       0.0);
    ( 401397.7, 3806232.1,    1587.8,    2170.7,       0.0);         ( 401428.8,
3806254.2,    1598.0,    2170.7,       0.0);
    ( 401459.8, 3806276.3,    1604.0,    2170.7,       0.0);         ( 401490.8,
3806298.3,    1613.8,    2170.7,       0.0);
    ( 401521.9, 3806320.4,    1610.6,    2170.7,       0.0);         ( 401552.9,
3806342.4,    1597.7,    2170.7,       0.0);
    ( 401584.0, 3806364.5,    1582.2,    2170.7,       0.0);         ( 401615.0,
3806386.6,    1569.0,    2170.7,       0.0);
    ( 401646.0, 3806408.6,    1557.3,    2170.7,       0.0);         ( 401677.1,
3806430.7,    1546.7,    2170.7,       0.0);
    ( 401708.1, 3806452.8,    1530.8,    2170.7,       0.0);         ( 401739.2,
3806474.8,    1509.6,    2170.7,       0.0);
    ( 401770.2, 3806496.9,    1487.6,    2170.7,       0.0);         ( 401801.3,
3806518.9,    1467.3,    2170.7,       0.0);
    ( 401832.3, 3806541.0,    1440.6,    2170.7,       0.0);         ( 401863.3,
3806563.1,    1443.3,    2170.7,       0.0);
    ( 401894.4, 3806585.1,    1447.2,    2170.7,       0.0);         ( 401925.4,
3806607.2,    1447.4,    2170.7,       0.0);
    ( 401956.5, 3806629.3,    1460.5,    2170.7,       0.0);         ( 401987.5,
3806651.3,    1469.3,    2170.7,       0.0);
    ( 402018.5, 3806673.4,    1476.7,    2170.7,       0.0);         ( 402049.6,
3806695.4,    1484.0,    2170.7,       0.0);
    ( 402080.6, 3806717.5,    1490.7,    2170.7,       0.0);         ( 402111.7,
3806739.6,    1487.3,    2170.7,       0.0);
    ( 402142.7, 3806761.6,    1472.7,    2170.7,       0.0);         ( 402173.8,
3806783.7,    1492.0,    2170.7,       0.0);
    ( 402204.8, 3806805.8,    1514.9,    2170.7,       0.0);         ( 402235.8,
3806827.8,    1533.5,    2170.7,       0.0);
    ( 402266.9, 3806849.9,    1546.1,    2170.7,       0.0);         ( 402297.9,
3806871.9,    1548.2,    2170.7,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(402329.0, 3806894.0, 1546.3, 2170.7, 0.0); (402360.0, 3806916.1, 1546.5, 2170.7, 0.0);
(402391.1, 3806938.1, 1548.2, 2170.7, 0.0); (402422.1, 3806960.2, 1559.2, 2170.7, 0.0);
(402453.1, 3806982.2, 1565.5, 2170.7, 0.0); (402484.2, 3807004.3, 1575.7, 2170.7, 0.0);
(402515.2, 3807026.4, 1589.9, 2170.7, 0.0); (402546.3, 3807048.4, 1609.8, 2170.7, 0.0);
(402577.3, 3807070.5, 1634.1, 2170.7, 0.0); (402608.3, 3807092.6, 1650.4, 2170.7, 0.0);
(402639.4, 3807114.6, 1655.9, 2170.7, 0.0); (402670.4, 3807136.7, 1659.2, 2170.7, 0.0);
(402701.5, 3807158.8, 1652.5, 2170.7, 0.0); (402732.5, 3807180.8, 1640.0, 2170.7, 0.0);
(402763.6, 3807202.9, 1628.0, 2170.7, 0.0); (402794.6, 3807224.9, 1629.1, 2170.7, 0.0);
(402825.6, 3807247.0, 1621.3, 2170.7, 0.0); (402856.7, 3807269.1, 1606.7, 2170.7, 0.0);
(402887.7, 3807291.1, 1599.3, 2170.7, 0.0); (402918.8, 3807313.2, 1585.8, 2170.7, 0.0);
(402949.8, 3807335.2, 1580.3, 2170.7, 0.0); (402980.9, 3807357.3, 1582.4, 2170.7, 0.0);
(403011.9, 3807379.4, 1580.5, 2170.7, 0.0); (403042.9, 3807401.4, 1576.1, 2170.7, 0.0);
(403074.0, 3807423.5, 1577.2, 2170.7, 0.0); (403105.0, 3807445.6, 1580.3, 2170.7, 0.0);
(403136.1, 3807467.6, 1574.6, 2170.7, 0.0); (403167.1, 3807489.7, 1576.9, 2170.7, 0.0);
(403322.3, 3807600.0, 1557.2, 2170.7, 0.0); (403353.4, 3807622.1, 1550.7, 2170.7, 0.0);
(403384.4, 3807644.1, 1524.9, 2170.7, 0.0); (400744.4, 3805771.0, 1541.3, 2170.7, 0.0);
(400710.4, 3805753.4, 1542.4, 2170.7, 0.0); (395217.6, 3816228.3, 911.3, 1439.0, 0.0);
(395176.4, 3816212.5, 911.9, 1439.0, 0.0); (395247.2, 3816212.9, 910.1, 1439.0, 0.0);
(395206.0, 3816197.1, 908.7, 1439.0, 0.0); (395164.8, 3816181.3, 908.5, 1440.1, 0.0);

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     ( 395256.1, 3816189.5,     909.9,    1356.4,       0.0);         ( 395214.9,
3816173.8,     908.6,    1439.0,       0.0);
     ( 395173.8, 3816158.0,     907.5,    1439.0,       0.0);         ( 395244.5,
3816158.3,     909.5,    1605.2,       0.0);
     ( 395203.3, 3816142.5,     908.6,    1356.4,       0.0);         ( 395283.0,
3816119.5,     910.1,    1607.3,       0.0);
     ( 395241.8, 3816103.7,     909.0,    1607.0,       0.0);         ( 395200.6,
3816087.9,     908.9,    1356.4,       0.0);
     ( 395311.2, 3816077.5,     911.2,    1607.3,       0.0);         ( 395280.3,
3816064.9,     910.5,    1607.3,       0.0);
     ( 395239.1, 3816049.1,     909.6,    1607.3,       0.0);         ( 395331.7,
3816031.9,     911.6,    1607.3,       0.0);
     ( 395298.2, 3816018.3,     910.7,    1607.3,       0.0);         ( 395257.0,
3816002.5,     910.0,    1607.3,       0.0);
     ( 395352.1, 3815986.4,     912.7,    1607.3,       0.0);         ( 395316.1,
3815971.6,     912.0,    1607.3,       0.0);
     ( 395274.9, 3815955.8,     911.1,    1607.3,       0.0);         ( 395372.6,
3815940.9,     914.6,    1607.3,       0.0);
     ( 395334.0, 3815924.9,     914.4,    1607.3,       0.0);         ( 395292.8,
3815909.1,     912.8,    1607.3,       0.0);
     ( 395405.9, 3815846.4,     919.3,    1607.3,       0.0);         ( 395369.8,
3815831.5,     917.8,    1607.3,       0.0);
     ( 395328.6, 3815815.7,     916.8,    1607.3,       0.0);         ( 395445.1,
3815754.5,     925.2,    1607.3,       0.0);
     ( 395405.6, 3815738.2,     924.7,    1607.3,       0.0);         ( 395364.5,
3815722.4,     926.8,    1607.3,       0.0);
     ( 395478.8, 3815660.2,     932.0,    1607.3,       0.0);         ( 395512.2,
3815675.3,     932.8,    1607.3,       0.0);
     ( 395441.5, 3815644.8,     934.5,    1607.3,       0.0);         ( 395400.3,
3815629.0,     935.6,    1607.3,       0.0);
     ( 395517.2, 3815568.0,     942.8,    1607.3,       0.0);         ( 395555.8,
3815585.4,     941.1,    1607.3,       0.0);
     ( 395477.3, 3815551.4,     946.3,    1607.3,       0.0);         ( 395436.1,
3815535.6,     941.1,    1607.3,       0.0);
     ( 395551.2, 3815473.8,     952.7,    1607.3,       0.0);         ( 395586.2,
3815489.6,     953.0,    1607.3,       0.0);
     ( 395513.1, 3815458.1,     952.1,    1607.3,       0.0);         ( 395471.9,
3815442.3,     946.5,    1607.3,       0.0);
     ( 395642.1, 3815241.0,     969.6,    1607.3,       0.0);         ( 395679.8,
3815258.0,     970.1,    1607.3,       0.0);
     ( 395717.6, 3815275.0,     971.2,    1607.3,       0.0);         ( 395602.6,
3815224.6,     966.9,    1607.3,       0.0);
     ( 395561.4, 3815208.8,     960.4,    1607.3,       0.0);         ( 395732.6,
3815008.0,     989.5,    1356.4,       0.0);
     ( 395772.3, 3815025.9,     991.2,    1607.0,       0.0);         ( 395812.0,
3815043.8,     992.3,    1607.3,       0.0);
     ( 395692.1, 3814991.2,     984.3,    1607.0,       0.0);         ( 395651.0,
3814975.4,     986.0,    1356.4,       0.0);
     ( 395820.6, 3814773.9,    1009.3,    1356.4,       0.0);         ( 395857.2,
3814790.4,    1013.4,    1356.4,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(395781.7, 3814757.8, 1009.2, 1356.4, 0.0); (395740.5, 3814742.0, 1008.2, 1356.4, 0.0);
(395910.8, 3814540.8, 1075.6, 1356.4, 0.0); (395948.9, 3814558.0, 1060.2, 1356.4, 0.0);
(395987.0, 3814575.1, 1046.2, 1356.4, 0.0); (396025.1, 3814592.3, 1048.7, 1356.4, 0.0);
(396063.3, 3814609.4, 1052.0, 1356.4, 0.0); (395871.2, 3814524.4, 1076.8, 1356.4, 0.0);
(395830.0, 3814508.6, 1056.2, 1356.4, 0.0); (396089.5, 3814073.8, 1261.8, 1356.4, 0.0);
(396126.7, 3814090.6, 1244.6, 1356.4, 0.0); (396163.9, 3814107.3, 1246.0, 1356.4, 0.0);
(396201.2, 3814124.1, 1255.7, 1356.4, 0.0); (396238.4, 3814140.8, 1250.1, 1356.4, 0.0);
(396275.6, 3814157.6, 1226.0, 1356.4, 0.0); (396050.2, 3814057.5, 1278.5, 1356.4, 0.0);
(396009.1, 3814041.8, 1280.5, 1320.1, 0.0); (396269.5, 3813607.4, 1180.5, 1356.4, 0.0);
(396308.6, 3813625.0, 1173.3, 1356.4, 0.0); (396347.7, 3813642.6, 1186.3, 1356.4, 0.0);
(396386.9, 3813660.2, 1207.2, 1356.4, 0.0); (396426.0, 3813677.8, 1232.2, 1356.4, 0.0);
(396465.1, 3813695.4, 1245.0, 1356.4, 0.0); (396504.3, 3813713.0, 1262.9, 1356.4, 0.0);
(396229.3, 3813590.7, 1186.5, 1356.4, 0.0); (396188.1, 3813574.9, 1174.5, 1356.4, 0.0);
(396448.1, 3813140.4, 1106.2, 1356.4, 0.0); (396486.5, 3813157.6, 1113.1, 1356.4, 0.0);
(396524.8, 3813174.9, 1121.4, 1356.4, 0.0); (396563.1, 3813192.1, 1133.5, 1356.4, 0.0);
(396601.5, 3813209.4, 1147.0, 1356.4, 0.0); (396639.8, 3813226.6, 1162.2, 1356.4, 0.0);
(396678.1, 3813243.9, 1179.3, 1356.4, 0.0); (396716.5, 3813261.1, 1194.4, 1356.4, 0.0);
(396754.8, 3813278.4, 1208.7, 1356.4, 0.0); (396408.4, 3813123.9, 1100.5, 1356.4, 0.0);

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    ( 396367.2, 3813108.1,    1094.8,    1356.4,       0.0);         ( 396627.8,
3812673.8,    1112.7,    1763.5,       0.0);
    ( 396667.5, 3812691.7,    1122.7,    1763.5,       0.0);         ( 396707.1,
3812709.5,    1123.6,    1763.5,       0.0);
    ( 396746.8, 3812727.4,    1108.0,    1763.5,       0.0);         ( 396786.5,
3812745.2,    1104.8,    1763.5,       0.0);
    ( 396826.1, 3812763.0,    1110.0,    1763.5,       0.0);         ( 396865.8,
3812780.9,    1122.5,    1763.5,       0.0);
    ( 396905.4, 3812798.7,    1131.4,    1763.5,       0.0);         ( 396945.1,
3812816.5,    1147.0,    1356.4,       0.0);
    ( 396984.7, 3812834.4,    1160.3,    1356.4,       0.0);         ( 396587.4,
3812657.0,    1103.9,    1763.5,       0.0);
    ( 396546.2, 3812641.2,    1111.3,    1763.5,       0.0);         ( 397105.3,
3811428.9,    1066.6,    2170.7,       0.0);
    ( 397144.8, 3811446.7,    1070.2,    2170.7,       0.0);         ( 397184.4,
3811464.5,    1078.6,    2170.7,       0.0);
    ( 397223.9, 3811482.3,    1074.6,    2170.7,       0.0);         ( 397263.5,
3811500.1,    1077.6,    2170.7,       0.0);
    ( 397303.0, 3811517.9,    1079.1,    2170.7,       0.0);         ( 397342.5,
3811535.7,    1080.8,    2170.7,       0.0);
    ( 397382.1, 3811553.4,    1085.2,    2170.7,       0.0);         ( 397421.6,
3811571.2,    1089.9,    2170.7,       0.0);
    ( 397461.2, 3811589.0,    1103.2,    2170.7,       0.0);         ( 397500.7,
3811606.8,    1103.2,    2170.7,       0.0);
    ( 397540.3, 3811624.6,    1107.9,    2170.7,       0.0);         ( 397579.8,
3811642.4,    1116.8,    2170.7,       0.0);
    ( 397064.9, 3811412.1,    1074.6,    2170.7,       0.0);         ( 397023.8,
3811396.3,    1078.5,    2170.7,       0.0);
    ( 397582.8, 3810184.0,    1075.3,    2170.7,       0.0);         ( 397622.2,
3810201.8,    1075.1,    2170.7,       0.0);
    ( 397661.7, 3810219.5,    1070.7,    2170.7,       0.0);         ( 397701.2,
3810237.3,    1069.8,    2170.7,       0.0);
    ( 397740.7, 3810255.0,    1064.7,    2170.7,       0.0);         ( 397780.1,
3810272.8,    1072.6,    2170.7,       0.0);
    ( 397819.6, 3810290.6,    1070.2,    2170.7,       0.0);         ( 397859.1,
3810308.3,    1067.9,    2170.7,       0.0);
    ( 397898.6, 3810326.1,    1078.9,    2170.7,       0.0);         ( 397938.1,
3810343.9,    1081.8,    2170.7,       0.0);
    ( 397977.5, 3810361.6,    1085.3,    2170.7,       0.0);         ( 398017.0,
3810379.4,    1092.4,    2170.7,       0.0);
    ( 398056.5, 3810397.1,    1097.1,    2170.7,       0.0);         ( 398096.0,
3810414.9,    1101.2,    2170.7,       0.0);
    ( 398135.5, 3810432.7,    1104.8,    2170.7,       0.0);         ( 398174.9,
3810450.4,    1107.6,    2170.7,       0.0);
    ( 398214.4, 3810468.2,    1110.1,    2170.7,       0.0);         ( 397542.4,
3810167.2,    1078.7,    2170.7,       0.0);
    ( 397501.2, 3810151.4,    1074.1,    2170.7,       0.0);         ( 398060.2,
3808939.1,    1174.3,    2170.7,       0.0);
    ( 398099.7, 3808956.8,    1175.9,    2170.7,       0.0);         ( 398139.1,
3808974.6,    1178.8,    2170.7,       0.0);
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(398178.5, 3808992.3, 1175.0, 2170.7, 0.0); (398218.0, 3809010.1, 1169.5, 2170.7, 0.0);
(398257.4, 3809027.8, 1165.1, 2170.7, 0.0); (398296.8, 3809045.5, 1162.8, 2170.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(398336.3, 3809063.3, 1158.2, 2170.7, 0.0); (398375.7, 3809081.0, 1150.9, 2170.7, 0.0);
(398415.2, 3809098.8, 1151.4, 2170.7, 0.0); (398454.6, 3809116.5, 1155.7, 2170.7, 0.0);
(398494.0, 3809134.3, 1157.8, 2170.7, 0.0); (398533.5, 3809152.0, 1162.8, 2170.7, 0.0);
(398572.9, 3809169.7, 1162.5, 2170.7, 0.0); (398612.3, 3809187.5, 1163.3, 2170.7, 0.0);
(398651.8, 3809205.2, 1166.2, 2170.7, 0.0); (398691.2, 3809223.0, 1171.6, 2170.7, 0.0);
(398730.7, 3809240.7, 1169.4, 2170.7, 0.0); (398770.1, 3809258.4, 1161.6, 2170.7, 0.0);
(398809.5, 3809276.2, 1154.1, 2170.7, 0.0); (398019.9, 3808922.3, 1175.7, 2170.7, 0.0);
(397978.7, 3808906.5, 1174.6, 2170.7, 0.0); (398537.7, 3807694.2, 1400.2, 2170.7, 0.0);
(398577.1, 3807711.9, 1382.5, 2170.7, 0.0); (398616.5, 3807729.6, 1369.7, 2170.7, 0.0);
(398655.9, 3807747.4, 1385.0, 2170.7, 0.0); (398695.3, 3807765.1, 1387.8, 2170.7, 0.0);
(398734.7, 3807782.8, 1369.2, 2170.7, 0.0); (398774.1, 3807800.6, 1392.9, 2170.7, 0.0);
(398813.6, 3807818.3, 1418.6, 2170.7, 0.0); (398853.0, 3807836.0, 1438.6, 2170.7, 0.0);
(398892.4, 3807853.8, 1448.6, 2170.7, 0.0); (398931.8, 3807871.5, 1446.8, 2170.7, 0.0);
(398971.2, 3807889.2, 1462.7, 2170.7, 0.0); (399010.6, 3807906.9, 1467.5, 2170.7, 0.0);
(399050.0, 3807924.7, 1452.1, 2170.7, 0.0); (399089.4, 3807942.4, 1431.0, 2170.7, 0.0);
(399128.8, 3807960.1, 1413.6, 2170.7, 0.0); (399168.2, 3807977.8, 1397.0, 2170.7, 0.0);
(399207.6, 3807995.6, 1378.1, 2170.7, 0.0); (399247.0, 3808013.3, 1365.8, 2170.7, 0.0);

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    ( 399286.5, 3808031.0,    1354.3,    2170.7,       0.0);         ( 399325.9,
3808048.8,    1341.1,    2170.7,       0.0);
    ( 399365.3, 3808066.5,    1311.5,    2170.7,       0.0);         ( 399404.7,
3808084.2,    1283.9,    2170.7,       0.0);
    ( 399444.1, 3808101.9,    1292.2,    2170.7,       0.0);         ( 398497.4,
3807677.4,    1414.8,    2170.7,       0.0);
    ( 398456.2, 3807661.6,    1446.8,    2170.7,       0.0);         ( 399015.5,
3806449.4,    1590.5,    2084.7,       0.0);
    ( 399055.7, 3806467.5,    1608.9,    2084.7,       0.0);         ( 399095.8,
3806485.5,    1609.4,    2084.7,       0.0);
    ( 399135.9, 3806503.6,    1632.4,    2061.5,       0.0);         ( 399176.0,
3806521.6,    1650.8,    2010.3,       0.0);
    ( 399216.1, 3806539.7,    1673.4,    1763.5,       0.0);         ( 399256.2,
3806557.7,    1677.3,    1763.5,       0.0);
    ( 399296.4, 3806575.8,    1669.2,    1763.5,       0.0);         ( 399336.5,
3806593.8,    1656.4,    2010.3,       0.0);
    ( 399376.6, 3806611.9,    1644.5,    2084.7,       0.0);         ( 399416.7,
3806629.9,    1648.8,    2084.7,       0.0);
    ( 399456.8, 3806648.0,    1651.1,    2084.7,       0.0);         ( 399496.9,
3806666.0,    1651.5,    2084.7,       0.0);
    ( 399537.0, 3806684.1,    1647.6,    2084.7,       0.0);         ( 399577.2,
3806702.1,    1646.8,    2084.7,       0.0);
    ( 399617.3, 3806720.1,    1657.3,    2084.7,       0.0);         ( 399657.4,
3806738.2,    1665.3,    2084.7,       0.0);
    ( 399697.5, 3806756.2,    1675.9,    2083.7,       0.0);         ( 399737.6,
3806774.3,    1679.0,    2083.7,       0.0);
    ( 399777.7, 3806792.3,    1673.0,    2084.7,       0.0);         ( 399817.8,
3806810.4,    1655.6,    2084.7,       0.0);
    ( 399858.0, 3806828.4,    1643.9,    2084.7,       0.0);         ( 399898.1,
3806846.5,    1643.9,    2086.2,       0.0);
    ( 399938.2, 3806864.5,    1647.6,    2086.2,       0.0);         ( 399978.3,
3806882.6,    1646.3,    2086.2,       0.0);
    ( 400018.4, 3806900.6,    1640.9,    2170.7,       0.0);         ( 400058.5,
3806918.7,    1634.5,    2170.7,       0.0);
    ( 398974.9, 3806432.5,    1564.0,    2086.2,       0.0);         ( 398933.7,
3806416.7,    1579.4,    2084.7,       0.0);
    ( 399493.0, 3805204.5,    1312.3,    2170.7,       0.0);         ( 399533.0,
3805222.5,    1336.1,    2170.7,       0.0);
    ( 399573.0, 3805240.5,    1347.2,    2170.7,       0.0);         ( 399613.0,
3805258.5,    1348.8,    2170.7,       0.0);
    ( 399653.0, 3805276.5,    1336.2,    2170.7,       0.0);         ( 399693.1,
3805294.5,    1348.9,    2170.7,       0.0);
    ( 399733.1, 3805312.5,    1349.2,    2170.7,       0.0);         ( 399773.1,
3805330.5,    1340.9,    2170.7,       0.0);
    ( 399813.1, 3805348.5,    1343.5,    2170.7,       0.0);         ( 399853.1,
3805366.5,    1350.3,    2170.7,       0.0);
    ( 399893.1, 3805384.5,    1361.7,    2170.7,       0.0);         ( 399933.1,
3805402.5,    1367.8,    2170.7,       0.0);
    ( 399973.2, 3805420.5,    1381.3,    2170.7,       0.0);         ( 400013.2,
3805438.5,    1384.5,    2170.7,       0.0);
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(400053.2, 3805456.5, 1371.0, 2170.7, 0.0); (400093.2, 3805474.5, 1370.5, 2170.7, 0.0);
(400133.2, 3805492.5, 1373.3, 2170.7, 0.0); (400173.2, 3805510.5, 1383.7, 2170.7, 0.0);
(400213.2, 3805528.5, 1397.8, 2170.7, 0.0); (400253.3, 3805546.5, 1415.8, 2170.7, 0.0);

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

(400293.3, 3805564.5, 1426.4, 2170.7, 0.0); (400333.3, 3805582.5, 1429.5, 2170.7, 0.0);
(400373.3, 3805600.6, 1435.9, 2170.7, 0.0); (400413.3, 3805618.6, 1463.7, 2170.7, 0.0);
(400453.3, 3805636.6, 1494.1, 2170.7, 0.0); (400493.3, 3805654.6, 1510.0, 2170.7, 0.0);
(400533.4, 3805672.6, 1520.0, 2170.7, 0.0); (400573.4, 3805690.6, 1527.1, 2170.7, 0.0);
(400613.4, 3805708.6, 1536.7, 2170.7, 0.0); (400653.4, 3805726.6, 1542.6, 2170.7, 0.0);
(399452.4, 3805187.6, 1321.0, 2170.7, 0.0); (399411.2, 3805171.8, 1343.2, 2170.7, 0.0);
(395151.3, 3816203.4, 911.8, 1439.0, 0.0); (395128.1, 3816199.2, 913.3, 1439.0, 0.0);
(395105.0, 3816195.1, 917.3, 1356.4, 0.0); (395081.8, 3816191.0, 918.5, 1356.4, 0.0);
(395058.7, 3816186.8, 915.2, 1439.0, 0.0); (395035.5, 3816182.7, 912.7, 1440.1, 0.0);
(395012.4, 3816178.6, 911.6, 1440.1, 0.0); (394989.2, 3816174.4, 910.5, 1440.1, 0.0);
(394966.1, 3816170.3, 909.8, 1440.1, 0.0); (394943.0, 3816166.2, 908.7, 1440.1, 0.0);
(395132.5, 3816174.6, 909.5, 1439.0, 0.0); (395109.4, 3816170.5, 911.9, 1439.0, 0.0);
(395086.2, 3816166.4, 914.7, 1356.4, 0.0); (395063.1, 3816162.2, 914.8, 1356.4, 0.0);
(395039.9, 3816158.1, 914.0, 1439.0, 0.0); (395016.8, 3816154.0, 913.1, 1439.0, 0.0);
(394993.6, 3816149.8, 913.0, 1439.0, 0.0); (394970.5, 3816145.7, 912.4, 1440.1, 0.0);
(394947.3, 3816141.6, 907.7, 1440.1, 0.0); (395136.9, 3816150.0, 907.2, 1439.0, 0.0);

```
    ( 395113.8, 3816145.9,     907.7,    1439.0,       0.0);         ( 395090.6,
3816141.8,     909.3,    1439.0,       0.0);
    ( 395067.5, 3816137.6,     912.4,    1356.4,       0.0);         ( 395044.3,
3816133.5,     914.6,    1356.4,       0.0);
    ( 395021.2, 3816129.3,     914.8,    1356.4,       0.0);         ( 394998.0,
3816125.2,     915.3,    1356.4,       0.0);
    ( 394974.9, 3816121.1,     914.2,    1356.4,       0.0);         ( 394951.7,
3816116.9,     909.6,    1440.1,       0.0);
    ( 395164.5, 3816129.5,     907.2,    1430.2,       0.0);         ( 395141.3,
3816125.4,     906.5,    1439.0,       0.0);
    ( 395118.2, 3816121.3,     906.2,    1439.0,       0.0);         ( 395095.0,
3816117.1,     906.4,    1439.0,       0.0);
    ( 395071.9, 3816113.0,     906.8,    1439.0,       0.0);         ( 395048.7,
3816108.9,     909.8,    1430.2,       0.0);
    ( 395025.6, 3816104.7,     913.8,    1356.4,       0.0);         ( 395002.4,
3816100.6,     915.6,    1356.4,       0.0);
    ( 394979.3, 3816096.5,     915.0,    1356.4,       0.0);         ( 394956.1,
3816092.3,     912.9,    1356.4,       0.0);
    ( 395173.3, 3816080.3,     908.1,    1356.4,       0.0);         ( 395150.1,
3816076.2,     907.4,    1356.4,       0.0);
    ( 395127.0, 3816072.1,     906.7,    1356.4,       0.0);         ( 395103.8,
3816067.9,     905.5,    1356.4,       0.0);
    ( 395080.7, 3816063.8,     905.0,    1356.4,       0.0);         ( 395057.5,
3816059.6,     904.6,    1430.2,       0.0);
    ( 395034.4, 3816055.5,     904.7,    1430.2,       0.0);         ( 395011.2,
3816051.4,     905.8,    1430.2,       0.0);
    ( 394988.1, 3816047.2,     908.5,    1356.4,       0.0);         ( 394964.9,
3816043.1,     910.0,    1356.4,       0.0);
    ( 395200.3, 3816036.2,     908.4,    1607.0,       0.0);         ( 395158.9,
3816027.0,     907.3,    1356.4,       0.0);
    ( 395135.8, 3816022.8,     906.9,    1356.4,       0.0);         ( 395112.6,
3816018.7,     906.4,    1356.4,       0.0);
    ( 395089.5, 3816014.6,     905.8,    1356.4,       0.0);         ( 395066.3,
3816010.4,     905.0,    1356.4,       0.0);
    ( 395043.2, 3816006.3,     904.2,    1356.4,       0.0);         ( 395020.0,
3816002.2,     903.6,    1356.4,       0.0);
    ( 394996.9, 3815998.0,     903.1,    1356.4,       0.0);         ( 394973.7,
3815993.9,     902.5,    1356.4,       0.0);
    ( 395206.0, 3815986.1,     909.0,    1607.0,       0.0);         ( 395167.7,
3815977.8,     908.3,    1605.2,       0.0);
    ( 395144.5, 3815973.6,     907.9,    1356.4,       0.0);         ( 395121.4,
3815969.5,     907.0,    1356.4,       0.0);
    ( 395098.2, 3815965.3,     906.2,    1356.4,       0.0);         ( 395075.1,
3815961.2,     905.5,    1356.4,       0.0);
    ( 395052.0, 3815957.1,     904.8,    1356.4,       0.0);         ( 395028.8,
3815952.9,     904.2,    1356.4,       0.0);
    ( 395005.6, 3815948.8,     903.5,    1356.4,       0.0);         ( 394982.5,
3815944.7,     903.0,    1356.4,       0.0);
    ( 395217.9, 3815937.7,     910.2,    1607.3,       0.0);         ( 395176.5,
3815928.5,     909.8,    1607.0,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(395229.7, 3815889.4, 912.0, 1607.3, 0.0); (395185.3, 3815879.3, 912.0, 1607.0, 0.0);
(395162.1, 3815875.2, 911.1, 1604.4, 0.0); (395139.0, 3815871.0, 910.2, 1356.4, 0.0);
(395115.8, 3815866.9, 909.3, 1356.4, 0.0); (395092.7, 3815862.8, 908.6, 1356.4, 0.0);
(395069.5, 3815858.6, 907.8, 1356.4, 0.0); (395046.4, 3815854.5, 907.2, 1356.4, 0.0);
(395023.2, 3815850.4, 906.8, 1356.4, 0.0); (395000.1, 3815846.2, 905.7, 1356.4, 0.0);
(395246.5, 3815790.7, 916.6, 1607.3, 0.0); (395287.5, 3815802.1, 916.7, 1607.3, 0.0);
(395202.9, 3815780.9, 915.9, 1607.0, 0.0); (395179.7, 3815776.7, 915.1, 1607.0, 0.0);
(395156.6, 3815772.6, 914.2, 1356.4, 0.0); (395133.4, 3815768.5, 913.3, 1356.4, 0.0);
(395110.3, 3815764.3, 912.5, 1356.4, 0.0); (395087.1, 3815760.2, 911.7, 1356.4, 0.0);
(395064.0, 3815756.1, 910.7, 1356.4, 0.0); (395040.8, 3815751.9, 909.6, 1356.4, 0.0);
(395017.7, 3815747.8, 909.1, 1356.4, 0.0); (395263.6, 3815692.1, 921.1, 1607.3, 0.0);
(395303.8, 3815703.3, 923.1, 1607.3, 0.0); (395220.5, 3815682.4, 920.2, 1607.0, 0.0);
(395197.3, 3815678.3, 919.6, 1607.0, 0.0); (395174.1, 3815674.1, 918.3, 1356.4, 0.0);
(395151.0, 3815670.0, 916.9, 1356.4, 0.0); (395127.8, 3815665.9, 915.6, 1356.4, 0.0);
(395104.7, 3815661.8, 914.7, 1356.4, 0.0); (395081.5, 3815657.6, 914.3, 1356.4, 0.0);

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     ( 395058.4, 3815653.5,     914.5,    1356.4,       0.0);         ( 395035.2,
3815649.3,     914.5,    1356.4,       0.0);
     ( 395280.9, 3815593.6,     926.8,    1607.3,       0.0);         ( 395320.4,
3815604.6,     929.7,    1607.3,       0.0);
     ( 395359.9, 3815615.6,     931.5,    1607.3,       0.0);         ( 395238.0,
3815584.0,     930.8,    1356.4,       0.0);
     ( 395214.9, 3815579.8,     934.0,    1356.4,       0.0);         ( 395191.7,
3815575.7,     931.8,    1356.4,       0.0);
     ( 395168.6, 3815571.6,     926.6,    1356.4,       0.0);         ( 395145.4,
3815567.4,     921.8,    1356.4,       0.0);
     ( 395122.3, 3815563.3,     921.4,    1356.4,       0.0);         ( 395099.1,
3815559.2,     920.2,    1356.4,       0.0);
     ( 395076.0, 3815555.0,     919.5,    1356.4,       0.0);         ( 395052.8,
3815550.9,     918.8,    1356.4,       0.0);
     ( 395298.3, 3815495.1,     938.3,    1356.4,       0.0);         ( 395337.4,
3815506.0,     932.4,    1607.3,       0.0);
     ( 395376.4, 3815516.9,     935.7,    1607.3,       0.0);         ( 395255.6,
3815485.5,     941.2,    1356.4,       0.0);
     ( 395232.5, 3815481.4,     937.5,    1356.4,       0.0);         ( 395209.3,
3815477.3,     934.3,    1356.4,       0.0);
     ( 395186.2, 3815473.1,     932.5,    1356.4,       0.0);         ( 395163.0,
3815469.0,     927.7,    1356.4,       0.0);
     ( 395139.9, 3815464.9,     925.9,    1356.4,       0.0);         ( 395116.7,
3815460.7,     926.1,    1356.4,       0.0);
     ( 395093.6, 3815456.6,     930.1,    1356.4,       0.0);         ( 395070.4,
3815452.5,     933.6,    1356.4,       0.0);
     ( 395318.5, 3815397.4,     948.8,    1356.4,       0.0);         ( 395340.6,
3815403.5,     949.0,    1356.4,       0.0);
     ( 395362.8, 3815409.7,     946.2,    1356.4,       0.0);         ( 395384.9,
3815415.9,     941.9,    1607.3,       0.0);
     ( 395407.0, 3815422.0,     939.1,    1607.3,       0.0);         ( 395429.2,
3815428.2,     939.3,    1607.3,       0.0);
     ( 395296.3, 3815391.2,     947.9,    1356.4,       0.0);         ( 395273.2,
3815387.1,     946.4,    1356.4,       0.0);
     ( 395250.0, 3815383.0,     946.3,    1356.4,       0.0);         ( 395226.9,
3815378.8,     938.6,    1356.4,       0.0);
     ( 395203.7, 3815374.7,     932.9,    1356.4,       0.0);         ( 395180.6,
3815370.6,     932.8,    1356.4,       0.0);
     ( 395157.4, 3815366.4,     938.3,    1356.4,       0.0);         ( 395134.3,
3815362.3,     942.6,    1356.4,       0.0);
     ( 395111.1, 3815358.1,     942.1,    1356.4,       0.0);         ( 395088.0,
3815354.0,     941.0,    1356.4,       0.0);
     ( 395362.6, 3815151.3,     958.9,    1356.4,       0.0);         ( 395384.9,
3815157.5,     964.9,    1356.4,       0.0);
     ( 395407.1, 3815163.7,     966.9,    1356.4,       0.0);         ( 395429.4,
3815169.9,     967.1,    1356.4,       0.0);
     ( 395451.7, 3815176.1,     967.4,    1356.4,       0.0);         ( 395474.0,
3815182.3,     967.3,    1356.4,       0.0);
     ( 395496.3, 3815188.5,     967.4,    1356.4,       0.0);         ( 395518.5,
3815194.7,     968.1,    1356.4,       0.0);
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(395340.3, 3815145.1, 952.2, 1356.4, 0.0); (395317.1, 3815141.0, 953.7, 1356.4, 0.0);
(395294.0, 3815136.8, 962.0, 1356.4, 0.0); (395270.8, 3815132.7, 964.5, 1356.4, 0.0);
(395247.7, 3815128.6, 965.1, 1356.4, 0.0); (395224.5, 3815124.4, 960.9, 1356.4, 0.0);
(395201.4, 3815120.3, 956.9, 1356.4, 0.0); (395178.2, 3815116.2, 954.3, 1356.4, 0.0);
(395155.1, 3815112.0, 952.6, 1356.4, 0.0); (395131.9, 3815107.9, 951.3, 1356.4, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(395406.6, 3814905.2, 980.4, 1356.4, 0.0); (395429.0, 3814911.5, 984.4, 1356.4, 0.0);
(395451.4, 3814917.7, 984.0, 1356.4, 0.0); (395473.7, 3814923.9, 986.6, 1356.4, 0.0);
(395496.1, 3814930.2, 987.9, 1356.4, 0.0); (395518.5, 3814936.4, 988.6, 1356.4, 0.0);
(395540.9, 3814942.6, 988.8, 1356.4, 0.0); (395563.2, 3814948.8, 988.6, 1356.4, 0.0);
(395585.6, 3814955.1, 988.5, 1356.4, 0.0); (395608.0, 3814961.3, 988.5, 1356.4, 0.0);
(395384.2, 3814899.0, 978.6, 1356.4, 0.0); (395361.1, 3814894.9, 983.5, 1356.4, 0.0);
(395338.0, 3814890.8, 991.7, 1356.4, 0.0); (395314.8, 3814886.6, 999.6, 1356.4, 0.0);
(395291.6, 3814882.5, 1007.1, 1356.4, 0.0); (395268.5, 3814878.3, 1015.3, 1356.4, 0.0);
(395245.3, 3814874.2, 1021.9, 1356.4, 0.0); (395222.2, 3814870.1, 1024.4, 1356.4, 0.0);
(395199.0, 3814865.9, 1025.7, 1356.4, 0.0); (395175.9, 3814861.8, 1024.0, 1356.4, 0.0);
(395450.6, 3814659.2, 1010.1, 1356.4, 0.0); (395473.1, 3814665.4, 1011.2, 1356.4, 0.0);
(395495.5, 3814671.6, 1010.9, 1356.4, 0.0); (395518.0, 3814677.9, 1009.0, 1356.4, 0.0);
(395540.4, 3814684.1, 1007.1, 1356.4, 0.0); (395562.8, 3814690.4, 1007.7, 1356.4, 0.0);
(395585.3, 3814696.6, 1010.3, 1356.4, 0.0); (395607.7, 3814702.9, 1011.8, 1356.4, 0.0);

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    ( 395630.1, 3814709.1,    1012.2,    1356.4,       0.0);         ( 395652.6,
3814715.4,    1011.8,    1356.4,       0.0);
    ( 395675.0, 3814721.6,    1008.2,    1356.4,       0.0);         ( 395697.5,
3814727.9,    1011.6,    1356.4,       0.0);
    ( 395428.2, 3814652.9,    1012.2,    1356.4,       0.0);         ( 395405.0,
3814648.8,    1016.8,    1356.4,       0.0);
    ( 395381.9, 3814644.6,    1021.6,    1356.4,       0.0);         ( 395358.8,
3814640.5,    1026.6,    1356.4,       0.0);
    ( 395335.6, 3814636.4,    1031.7,    1356.4,       0.0);         ( 395312.5,
3814632.2,    1035.3,    1356.4,       0.0);
    ( 395289.3, 3814628.1,    1036.4,    1356.4,       0.0);         ( 395266.1,
3814624.0,    1047.6,    1356.4,       0.0);
    ( 395243.0, 3814619.8,    1060.9,    1356.4,       0.0);         ( 395219.8,
3814615.7,    1073.0,    1356.4,       0.0);
    ( 395494.6, 3814413.1,    1079.7,    1356.4,       0.0);         ( 395517.1,
3814419.3,    1073.5,    1356.4,       0.0);
    ( 395539.6, 3814425.6,    1067.5,    1356.4,       0.0);         ( 395562.1,
3814431.8,    1060.6,    1356.4,       0.0);
    ( 395584.6, 3814438.1,    1054.4,    1356.4,       0.0);         ( 395607.1,
3814444.4,    1047.9,    1356.4,       0.0);
    ( 395629.5, 3814450.6,    1044.6,    1356.4,       0.0);         ( 395652.0,
3814456.9,    1043.3,    1356.4,       0.0);
    ( 395674.5, 3814463.1,    1041.1,    1356.4,       0.0);         ( 395697.0,
3814469.4,    1042.7,    1356.4,       0.0);
    ( 395719.5, 3814475.6,    1044.8,    1356.4,       0.0);         ( 395742.0,
3814481.9,    1043.2,    1356.4,       0.0);
    ( 395764.5, 3814488.2,    1041.0,    1356.4,       0.0);         ( 395786.9,
3814494.4,    1040.2,    1356.4,       0.0);
    ( 395472.1, 3814406.8,    1088.8,    1356.4,       0.0);         ( 395449.0,
3814402.7,    1098.1,    1356.4,       0.0);
    ( 395425.8, 3814398.5,    1105.0,    1356.4,       0.0);         ( 395402.7,
3814394.4,    1112.2,    1356.4,       0.0);
    ( 395379.5, 3814390.3,    1121.6,    1356.4,       0.0);         ( 395356.4,
3814386.1,    1134.4,    1356.4,       0.0);
    ( 395333.2, 3814382.0,    1147.3,    1356.4,       0.0);         ( 395310.1,
3814377.9,    1158.9,    1356.4,       0.0);
    ( 395287.0, 3814373.7,    1175.2,    1356.4,       0.0);         ( 395263.8,
3814369.6,    1188.3,    1356.4,       0.0);
    ( 395582.6, 3813920.9,    1087.0,    1356.4,       0.0);         ( 395605.2,
3813927.1,    1096.5,    1356.4,       0.0);
    ( 395627.7, 3813933.4,    1105.6,    1356.4,       0.0);         ( 395650.2,
3813939.7,    1116.0,    1356.4,       0.0);
    ( 395672.8, 3813946.0,    1126.9,    1356.4,       0.0);         ( 395695.3,
3813952.2,    1138.1,    1356.4,       0.0);
    ( 395717.9, 3813958.5,    1150.9,    1356.4,       0.0);         ( 395740.5,
3813964.8,    1161.5,    1356.4,       0.0);
    ( 395763.0, 3813971.1,    1172.6,    1356.4,       0.0);         ( 395785.5,
3813977.4,    1181.4,    1356.4,       0.0);
    ( 395808.1, 3813983.6,    1184.2,    1356.4,       0.0);         ( 395830.6,
3813989.9,    1191.3,    1356.4,       0.0);
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(395853.2, 3813996.2, 1203.6, 1356.4, 0.0); (395875.7,
3814002.5, 1216.3, 1356.4, 0.0);
(395898.3, 3814008.8, 1228.8, 1356.4, 0.0); (395920.8,
3814015.0, 1240.8, 1356.4, 0.0);
(395943.4, 3814021.3, 1250.3, 1356.4, 0.0); (395965.9,
3814027.6, 1260.7, 1356.4, 0.0);
(395560.1, 3813914.6, 1080.7, 1356.4, 0.0); (395536.9,
3813910.5, 1074.9, 1356.4, 0.0);
(395513.8, 3813906.3, 1070.5, 1356.4, 0.0); (395490.6,
3813902.2, 1065.9, 1356.4, 0.0);
(395467.5, 3813898.1, 1063.3, 1356.4, 0.0); (395444.3,
3813893.9, 1058.5, 1356.4, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(395421.2, 3813889.8, 1052.7, 1356.4, 0.0); (395398.0,
3813885.6, 1048.3, 1356.4, 0.0);
(395374.9, 3813881.5, 1042.8, 1356.4, 0.0); (395351.7,
3813877.4, 1038.0, 1356.4, 0.0);
(395670.5, 3813428.7, 1230.1, 1356.4, 0.0); (395693.1,
3813435.0, 1229.3, 1356.4, 0.0);
(395715.7, 3813441.2, 1225.2, 1356.4, 0.0); (395738.3,
3813447.5, 1217.6, 1356.4, 0.0);
(395760.9, 3813453.8, 1207.7, 1356.4, 0.0); (395783.5,
3813460.1, 1196.6, 1356.4, 0.0);
(395806.1, 3813466.4, 1185.5, 1356.4, 0.0); (395828.7,
3813472.7, 1178.5, 1356.4, 0.0);
(395851.3, 3813479.0, 1179.7, 1356.4, 0.0); (395873.9,
3813485.3, 1187.4, 1356.4, 0.0);
(395896.5, 3813491.5, 1197.1, 1356.4, 0.0); (395919.0,
3813497.8, 1205.0, 1356.4, 0.0);
(395941.6, 3813504.1, 1212.9, 1356.4, 0.0); (395964.2,
3813510.4, 1219.7, 1356.4, 0.0);
(395986.8, 3813516.7, 1214.1, 1356.4, 0.0); (396009.4,
3813523.0, 1206.3, 1356.4, 0.0);
(396032.0, 3813529.3, 1200.0, 1356.4, 0.0); (396054.6,
3813535.6, 1193.1, 1356.4, 0.0);
(396077.2, 3813541.9, 1183.3, 1356.4, 0.0); (396099.8,
3813548.1, 1170.7, 1356.4, 0.0);
(396122.4, 3813554.4, 1164.0, 1356.4, 0.0); (396145.0,
3813560.7, 1164.5, 1356.4, 0.0);

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    ( 395648.0, 3813422.4,    1226.8,    1356.4,       0.0);         ( 395624.8,
3813418.2,    1218.9,    1356.4,       0.0);
    ( 395601.7, 3813414.1,    1213.0,    1356.4,       0.0);         ( 395578.5,
3813410.0,    1208.2,    1356.4,       0.0);
    ( 395555.4, 3813405.8,    1197.7,    1356.4,       0.0);         ( 395532.2,
3813401.7,    1183.2,    1356.4,       0.0);
    ( 395509.1, 3813397.6,    1168.1,    1356.4,       0.0);         ( 395485.9,
3813393.4,    1153.5,    1356.4,       0.0);
    ( 395462.8, 3813389.3,    1141.6,    1356.4,       0.0);         ( 395439.6,
3813385.2,    1128.2,    1356.4,       0.0);
    ( 395758.5, 3812936.5,    1052.6,    1990.0,       0.0);         ( 395781.1,
3812942.8,    1054.3,    1990.0,       0.0);
    ( 395803.7, 3812949.1,    1055.4,    1990.0,       0.0);         ( 395826.3,
3812955.4,    1058.2,    1981.2,       0.0);
    ( 395849.0, 3812961.6,    1060.2,    1981.2,       0.0);         ( 395871.6,
3812967.9,    1060.5,    1939.6,       0.0);
    ( 395894.2, 3812974.2,    1062.7,    1830.7,       0.0);         ( 395916.8,
3812980.5,    1065.9,    1763.5,       0.0);
    ( 395939.5, 3812986.8,    1067.6,    1763.5,       0.0);         ( 395962.1,
3812993.1,    1068.4,    1763.5,       0.0);
    ( 395984.7, 3812999.4,    1069.8,    1763.5,       0.0);         ( 396007.3,
3813005.7,    1071.7,    1763.5,       0.0);
    ( 396029.9, 3813012.0,    1073.2,    1763.5,       0.0);         ( 396052.5,
3813018.3,    1073.5,    1763.5,       0.0);
    ( 396075.2, 3813024.6,    1070.7,    1763.5,       0.0);         ( 396097.8,
3813030.9,    1071.4,    1763.5,       0.0);
    ( 396120.4, 3813037.2,    1075.1,    1763.5,       0.0);         ( 396143.0,
3813043.5,    1075.0,    1763.5,       0.0);
    ( 396165.6, 3813049.8,    1075.3,    1763.5,       0.0);         ( 396188.3,
3813056.1,    1075.1,    1763.5,       0.0);
    ( 396210.9, 3813062.4,    1073.4,    1763.5,       0.0);         ( 396233.5,
3813068.7,    1074.7,    1763.5,       0.0);
    ( 396256.1, 3813075.0,    1079.2,    1763.5,       0.0);         ( 396278.7,
3813081.3,    1084.0,    1356.4,       0.0);
    ( 396301.4, 3813087.6,    1086.5,    1356.4,       0.0);         ( 396324.0,
3813093.9,    1089.4,    1356.4,       0.0);
    ( 395735.9, 3812930.2,    1052.5,    1990.0,       0.0);         ( 395712.7,
3812926.0,    1053.9,    1990.0,       0.0);
    ( 395689.6, 3812921.9,    1055.1,    1990.0,       0.0);         ( 395666.4,
3812917.8,    1051.6,    1990.0,       0.0);
    ( 395643.3, 3812913.6,    1043.6,    1990.0,       0.0);         ( 395620.1,
3812909.5,    1035.6,    1990.0,       0.0);
    ( 395597.0, 3812905.4,    1030.3,    1990.0,       0.0);         ( 395573.8,
3812901.2,    1027.8,    1990.0,       0.0);
    ( 395550.7, 3812897.1,    1028.8,    1990.0,       0.0);         ( 395527.5,
3812893.0,    1022.7,    1990.0,       0.0);
    ( 395846.4, 3812444.3,    1031.8,    2084.7,       0.0);         ( 395869.1,
3812450.6,    1036.0,    2084.7,       0.0);
    ( 395891.7, 3812456.9,    1037.2,    2084.7,       0.0);         ( 395914.3,
3812463.2,    1038.1,    2084.7,       0.0);
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(395937.0, 3812469.5, 1041.3, 2084.7, 0.0); (395959.6, 3812475.8, 1045.2, 2084.7, 0.0);
(395982.3, 3812482.1, 1049.4, 2084.7, 0.0); (396004.9, 3812488.4, 1055.6, 2061.5, 0.0);
(396027.5, 3812494.7, 1060.0, 2060.8, 0.0); (396050.2, 3812501.0, 1062.8, 1990.0, 0.0);
(396072.8, 3812507.3, 1065.9, 1990.0, 0.0); (396095.5, 3812513.6, 1071.7, 1990.0, 0.0);
(396118.1, 3812519.9, 1079.6, 1990.0, 0.0); (396140.8, 3812526.2, 1088.0, 1832.7, 0.0);
(396163.4, 3812532.5, 1093.4, 1832.7, 0.0); (396186.0, 3812538.8, 1095.8, 1832.7, 0.0);
(396208.7, 3812545.1, 1094.0, 1832.7, 0.0); (396231.3, 3812551.4, 1088.6, 1832.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(396254.0, 3812557.7, 1084.2, 1832.7, 0.0); (396276.6, 3812564.0, 1081.5, 1832.7, 0.0);
(396299.2, 3812570.3, 1086.5, 1832.7, 0.0); (396321.9, 3812576.6, 1092.9, 1832.7, 0.0);
(396344.5, 3812582.9, 1095.8, 1832.7, 0.0); (396367.2, 3812589.2, 1098.4, 1832.7, 0.0);
(396389.8, 3812595.5, 1103.1, 1763.5, 0.0); (396412.5, 3812601.8, 1107.8, 1763.5, 0.0);
(396435.1, 3812608.1, 1110.6, 1763.5, 0.0); (396457.7, 3812614.4, 1112.8, 1763.5, 0.0);
(396480.4, 3812620.7, 1117.1, 1763.5, 0.0); (396503.0, 3812627.0, 1118.9, 1763.5, 0.0);
(395823.8, 3812438.0, 1031.6, 2084.7, 0.0); (395800.6, 3812433.8, 1032.8, 2084.7, 0.0);
(395777.5, 3812429.7, 1026.6, 2084.7, 0.0); (395754.3, 3812425.6, 1025.2, 2084.7, 0.0);
(395731.2, 3812421.4, 1025.7, 2084.7, 0.0); (395708.0, 3812417.3, 1026.5, 2084.7, 0.0);
(395684.9, 3812413.1, 1025.4, 2084.7, 0.0); (395661.7, 3812409.0, 1023.1, 2084.7, 0.0);
(395638.6, 3812404.9, 1018.0, 2084.7, 0.0); (395615.4, 3812400.8, 1010.8, 2084.7, 0.0);
(396080.7, 3811131.7, 991.8, 2170.7, 0.0); (396103.2, 3811137.9, 987.0, 2170.7, 0.0);

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    ( 396125.7, 3811144.2,     987.6,    2170.7,       0.0);         ( 396148.2,
3811150.4,     989.5,    2170.7,       0.0);
    ( 396170.7, 3811156.7,     991.8,    2170.7,       0.0);         ( 396193.2,
3811163.0,     995.4,    2170.7,       0.0);
    ( 396215.7, 3811169.2,    1009.2,    2170.7,       0.0);         ( 396238.2,
3811175.5,    1012.1,    2170.7,       0.0);
    ( 396260.7, 3811181.8,    1008.8,    2170.7,       0.0);         ( 396283.2,
3811188.0,    1011.2,    2170.7,       0.0);
    ( 396305.7, 3811194.3,    1019.2,    2170.7,       0.0);         ( 396328.2,
3811200.5,    1032.1,    2170.7,       0.0);
    ( 396350.7, 3811206.8,    1039.4,    2170.7,       0.0);         ( 396373.2,
3811213.1,    1045.8,    2170.7,       0.0);
    ( 396395.7, 3811219.3,    1047.5,    2170.7,       0.0);         ( 396418.2,
3811225.6,    1044.9,    2170.7,       0.0);
    ( 396440.7, 3811231.9,    1043.3,    2170.7,       0.0);         ( 396463.2,
3811238.1,    1040.9,    2170.7,       0.0);
    ( 396485.7, 3811244.4,    1036.5,    2170.7,       0.0);         ( 396508.2,
3811250.6,    1036.5,    2170.7,       0.0);
    ( 396530.7, 3811256.9,    1041.1,    2170.7,       0.0);         ( 396553.2,
3811263.2,    1039.9,    2170.7,       0.0);
    ( 396575.7, 3811269.4,    1046.6,    2170.7,       0.0);         ( 396598.2,
3811275.7,    1051.4,    2170.7,       0.0);
    ( 396620.7, 3811282.0,    1056.7,    2170.7,       0.0);         ( 396643.2,
3811288.2,    1058.6,    2170.7,       0.0);
    ( 396665.7, 3811294.5,    1055.9,    2170.7,       0.0);         ( 396688.2,
3811300.8,    1056.3,    2170.7,       0.0);
    ( 396710.7, 3811307.0,    1065.8,    2170.7,       0.0);         ( 396733.2,
3811313.3,    1075.5,    2170.7,       0.0);
    ( 396755.7, 3811319.5,    1074.8,    2170.7,       0.0);         ( 396778.2,
3811325.8,    1070.9,    2170.7,       0.0);
    ( 396800.7, 3811332.1,    1070.7,    2170.7,       0.0);         ( 396823.2,
3811338.3,    1072.8,    2170.7,       0.0);
    ( 396845.7, 3811344.6,    1074.9,    2170.7,       0.0);         ( 396868.2,
3811350.9,    1075.4,    2170.7,       0.0);
    ( 396890.7, 3811357.1,    1075.2,    2170.7,       0.0);         ( 396913.2,
3811363.4,    1074.4,    2170.7,       0.0);
    ( 396935.7, 3811369.6,    1072.8,    2170.7,       0.0);         ( 396958.2,
3811375.9,    1068.3,    2170.7,       0.0);
    ( 396980.7, 3811382.2,    1072.9,    2170.7,       0.0);         ( 396058.2,
3811125.4,     995.3,    2170.7,       0.0);
    ( 396035.0, 3811121.3,     991.8,    2170.7,       0.0);         ( 396011.9,
3811117.1,     987.5,    2170.7,       0.0);
    ( 395988.7, 3811113.0,     992.9,    2170.7,       0.0);         ( 395965.6,
3811108.9,    1000.2,    2170.7,       0.0);
    ( 395942.4, 3811104.7,    1000.1,    2170.7,       0.0);         ( 395919.3,
3811100.6,    1000.1,    2170.7,       0.0);
    ( 395896.1, 3811096.4,    1000.2,    2170.7,       0.0);         ( 395873.0,
3811092.3,    1000.0,    2170.7,       0.0);
    ( 395849.8, 3811088.2,     999.1,    2170.7,       0.0);         ( 396315.0,
3809819.1,    1091.4,    2170.7,       0.0);
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(396337.4, 3809825.3, 1089.8, 2170.7, 0.0); (396359.9, 3809831.5, 1085.0, 2170.7, 0.0);
(396382.3, 3809837.8, 1077.0, 2170.7, 0.0); (396404.7, 3809844.0, 1073.0, 2170.7, 0.0);
(396427.1, 3809850.3, 1069.1, 2170.7, 0.0); (396449.5, 3809856.5, 1067.6, 2170.7, 0.0);
(396471.9, 3809862.8, 1063.5, 2170.7, 0.0); (396494.3, 3809869.0, 1058.3, 2170.7, 0.0);
(396516.8, 3809875.2, 1056.0, 2170.7, 0.0); (396539.2, 3809881.5, 1053.7, 2170.7, 0.0);
(396561.6, 3809887.7, 1057.1, 2170.7, 0.0); (396584.0, 3809893.9, 1064.5, 2170.7, 0.0);
(396606.4, 3809900.2, 1065.6, 2170.7, 0.0); (396628.8, 3809906.4, 1064.8, 2170.7, 0.0);
(396651.3, 3809912.7, 1064.7, 2170.7, 0.0); (396673.7, 3809918.9, 1066.7, 2170.7, 0.0);

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

(396696.1, 3809925.1, 1069.4, 2170.7, 0.0); (396718.5, 3809931.4, 1070.1, 2170.7, 0.0);
(396740.9, 3809937.6, 1069.2, 2170.7, 0.0); (396763.3, 3809943.9, 1068.6, 2170.7, 0.0);
(396785.8, 3809950.1, 1068.3, 2170.7, 0.0); (396808.2, 3809956.3, 1064.4, 2170.7, 0.0);
(396830.6, 3809962.6, 1060.9, 2170.7, 0.0); (396853.0, 3809968.8, 1061.6, 2170.7, 0.0);
(396875.4, 3809975.1, 1065.0, 2170.7, 0.0); (396897.8, 3809981.3, 1066.3, 2170.7, 0.0);
(396920.2, 3809987.5, 1065.7, 2170.7, 0.0); (396942.7, 3809993.8, 1063.5, 2170.7, 0.0);
(396965.1, 3810000.0, 1061.2, 2170.7, 0.0); (396987.5, 3810006.3, 1061.8, 2170.7, 0.0);
(397009.9, 3810012.5, 1063.9, 2170.7, 0.0); (397032.3, 3810018.7, 1065.2, 2170.7, 0.0);
(397054.8, 3810025.0, 1064.2, 2170.7, 0.0); (397077.2, 3810031.2, 1061.8, 2170.7, 0.0);
(397099.6, 3810037.5, 1058.3, 2170.7, 0.0); (397122.0, 3810043.7, 1055.8, 2170.7, 0.0);
(397144.4, 3810049.9, 1057.6, 2170.7, 0.0); (397166.8, 3810056.2, 1061.6, 2170.7, 0.0);

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     ( 397189.2, 3810062.4,    1063.3,    2170.7,       0.0);         ( 397211.7,
3810068.7,    1063.6,    2170.7,       0.0);
     ( 397234.1, 3810074.9,    1065.4,    2170.7,       0.0);         ( 397256.5,
3810081.1,    1065.9,    2170.7,       0.0);
     ( 397278.9, 3810087.4,    1064.0,    2170.7,       0.0);         ( 397301.3,
3810093.6,    1064.4,    2170.7,       0.0);
     ( 397323.7, 3810099.9,    1065.4,    2170.7,       0.0);         ( 397346.2,
3810106.1,    1064.9,    2170.7,       0.0);
     ( 397368.6, 3810112.3,    1067.3,    2170.7,       0.0);         ( 397391.0,
3810118.6,    1069.9,    2170.7,       0.0);
     ( 397413.4, 3810124.8,    1066.5,    2170.7,       0.0);         ( 397435.8,
3810131.1,    1059.2,    2170.7,       0.0);
     ( 397458.2, 3810137.3,    1064.8,    2170.7,       0.0);         ( 396292.6,
3809812.8,    1092.8,    2170.7,       0.0);
     ( 396269.5, 3809808.7,    1095.2,    2170.7,       0.0);         ( 396246.3,
3809804.6,    1099.4,    2170.7,       0.0);
     ( 396223.2, 3809800.4,    1104.6,    2170.7,       0.0);         ( 396200.0,
3809796.3,    1109.4,    2170.7,       0.0);
     ( 396176.9, 3809792.2,    1114.7,    2170.7,       0.0);         ( 396153.7,
3809788.0,    1119.5,    2170.7,       0.0);
     ( 396130.6, 3809783.9,    1128.3,    2170.7,       0.0);         ( 396107.4,
3809779.8,    1139.6,    2170.7,       0.0);
     ( 396084.3, 3809775.6,    1150.2,    2170.7,       0.0);         ( 396549.4,
3808506.5,    1159.2,    2170.7,       0.0);
     ( 396571.8, 3808512.7,    1157.1,    2170.7,       0.0);         ( 396594.1,
3808518.9,    1154.5,    2170.7,       0.0);
     ( 396616.5, 3808525.2,    1145.8,    2170.7,       0.0);         ( 396638.8,
3808531.4,    1139.7,    2170.7,       0.0);
     ( 396661.2, 3808537.6,    1137.8,    2170.7,       0.0);         ( 396683.5,
3808543.8,    1139.0,    2170.7,       0.0);
     ( 396705.9, 3808550.1,    1140.5,    2170.7,       0.0);         ( 396728.3,
3808556.3,    1145.9,    2170.7,       0.0);
     ( 396750.6, 3808562.5,    1148.6,    2170.7,       0.0);         ( 396773.0,
3808568.7,    1152.3,    2170.7,       0.0);
     ( 396795.4, 3808575.0,    1160.7,    2170.7,       0.0);         ( 396817.7,
3808581.2,    1171.7,    2170.7,       0.0);
     ( 396840.1, 3808587.4,    1183.1,    2170.7,       0.0);         ( 396862.4,
3808593.6,    1193.9,    2170.7,       0.0);
     ( 396884.8, 3808599.9,    1199.6,    2170.7,       0.0);         ( 396907.2,
3808606.1,    1196.8,    2170.7,       0.0);
     ( 396929.5, 3808612.3,    1200.4,    2170.7,       0.0);         ( 396951.9,
3808618.5,    1204.9,    2170.7,       0.0);
     ( 396974.2, 3808624.8,    1208.0,    2170.7,       0.0);         ( 396996.6,
3808631.0,    1207.3,    2170.7,       0.0);
     ( 397019.0, 3808637.2,    1201.8,    2170.7,       0.0);         ( 397041.3,
3808643.4,    1195.2,    2170.7,       0.0);
     ( 397063.7, 3808649.6,    1191.0,    2170.7,       0.0);         ( 397086.1,
3808655.9,    1185.2,    2170.7,       0.0);
     ( 397108.4, 3808662.1,    1178.0,    2170.7,       0.0);         ( 397130.8,
3808668.3,    1169.4,    2170.7,       0.0);
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     ( 396480.7, 3808492.0,    1166.5,    2170.7,       0.0);         ( 396457.6,
3808487.9,    1168.2,    2170.7,       0.0);
     ( 396434.4, 3808483.7,    1171.7,    2170.7,       0.0);         ( 396411.3,
3808479.6,    1177.7,    2170.7,       0.0);
     ( 396388.1, 3808475.5,    1184.8,    2170.7,       0.0);         ( 396365.0,
3808471.3,    1192.2,    2170.7,       0.0);
     ( 396341.8, 3808467.2,    1199.5,    2170.7,       0.0);         ( 396318.7,
3808463.0,    1207.6,    2170.7,       0.0);
     ( 396784.1, 3807194.0,    1442.2,    1832.7,       0.0);         ( 396806.7,
3807200.3,    1436.8,    2003.2,       0.0);
     ( 396829.3, 3807206.6,    1428.8,    2010.3,       0.0);         ( 396851.9,
3807212.9,    1416.1,    2010.3,       0.0);
     ( 396874.6, 3807219.2,    1401.5,    2010.3,       0.0);         ( 396897.2,
3807225.5,    1393.4,    2083.7,       0.0);
     ( 396919.8, 3807231.8,    1394.7,    2083.7,       0.0);         ( 396942.4,
3807238.1,    1392.3,    2084.7,       0.0);
     ( 396965.1, 3807244.4,    1394.5,    2084.7,       0.0);         ( 396987.7,
3807250.7,    1396.9,    2084.7,       0.0);
     ( 397010.3, 3807257.0,    1392.7,    2084.7,       0.0);         ( 397032.9,
3807263.3,    1379.8,    2084.7,       0.0);
     ( 397055.6, 3807269.6,    1362.3,    2084.7,       0.0);         ( 397078.2,
3807275.9,    1345.6,    2170.7,       0.0);
     ( 397100.8, 3807282.2,    1329.3,    2170.7,       0.0);         ( 397123.4,
3807288.5,    1310.5,    2170.7,       0.0);
     ( 397146.0, 3807294.8,    1291.8,    2170.7,       0.0);         ( 397168.7,
3807301.1,    1276.1,    2170.7,       0.0);
     ( 397191.3, 3807307.4,    1270.5,    2170.7,       0.0);         ( 397213.9,
3807313.6,    1278.1,    2170.7,       0.0);
     ( 397236.5, 3807319.9,    1292.8,    2170.7,       0.0);         ( 397259.2,
3807326.2,    1304.2,    2170.7,       0.0);
     ( 397281.8, 3807332.5,    1306.4,    2170.7,       0.0);         ( 397304.4,
3807338.8,    1308.8,    2170.7,       0.0);
     ( 397327.0, 3807345.1,    1316.5,    2170.7,       0.0);         ( 397349.7,
3807351.4,    1320.1,    2170.7,       0.0);
     ( 397372.3, 3807357.7,    1316.3,    2170.7,       0.0);         ( 397394.9,
3807364.0,    1308.8,    2170.7,       0.0);
     ( 397417.5, 3807370.3,    1298.8,    2170.7,       0.0);         ( 397440.2,
3807376.6,    1291.1,    2170.7,       0.0);
     ( 397462.8, 3807382.9,    1295.1,    2170.7,       0.0);         ( 397485.4,
3807389.2,    1306.6,    2170.7,       0.0);
     ( 397508.0, 3807395.5,    1312.1,    2170.7,       0.0);         ( 397530.7,
3807401.8,    1318.4,    2170.7,       0.0);
     ( 397553.3, 3807408.1,    1331.8,    2170.7,       0.0);         ( 397575.9,
3807414.4,    1345.8,    2170.7,       0.0);
     ( 397598.5, 3807420.7,    1354.6,    2170.7,       0.0);         ( 397621.2,
3807427.0,    1359.8,    2170.7,       0.0);
     ( 397643.8, 3807433.3,    1365.7,    2170.7,       0.0);         ( 397666.4,
3807439.6,    1372.2,    2170.7,       0.0);
     ( 397689.0, 3807445.9,    1373.9,    2170.7,       0.0);         ( 397711.7,
3807452.2,    1372.9,    2170.7,       0.0);
```

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

(398186.8, 3807584.5, 1550.2, 1768.0, 0.0); (398209.4,
3807590.8, 1552.0, 1768.0, 0.0);
(398232.0, 3807597.1, 1549.7, 1768.0, 0.0); (398254.6,
3807603.4, 1541.3, 1768.0, 0.0);
(398277.3, 3807609.6, 1529.2, 1814.1, 0.0); (398299.9,
3807615.9, 1516.9, 2061.5, 0.0);
(398322.5, 3807622.2, 1506.0, 2084.7, 0.0); (398345.1,
3807628.5, 1497.0, 2084.7, 0.0);
(398367.8, 3807634.8, 1490.9, 2084.7, 0.0); (398390.4,
3807641.1, 1483.5, 2084.7, 0.0);
(398413.0, 3807647.4, 1473.2, 2086.2, 0.0); (396761.4,
3807187.7, 1440.5, 1832.7, 0.0);
(396738.3, 3807183.6, 1428.2, 2003.6, 0.0); (396715.1,
3807179.4, 1413.5, 2010.3, 0.0);
(396692.0, 3807175.3, 1396.7, 2010.3, 0.0); (396668.8,
3807171.2, 1378.0, 2061.5, 0.0);
(396645.7, 3807167.0, 1360.0, 2084.7, 0.0); (396622.5,
3807162.9, 1350.6, 2084.7, 0.0);

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    ( 396599.4, 3807158.8,    1354.0,    2084.7,       0.0);         ( 396576.2,
3807154.6,    1358.4,    2084.7,       0.0);
    ( 396553.1, 3807150.5,    1353.3,    2084.7,       0.0);         ( 397018.4,
3805881.4,    1615.5,    1832.7,       0.0);
    ( 397041.0, 3805887.7,    1627.2,    1832.7,       0.0);         ( 397063.5,
3805894.0,    1640.1,    1832.7,       0.0);
    ( 397086.1, 3805900.2,    1652.2,    1832.7,       0.0);         ( 397108.6,
3805906.5,    1663.5,    1832.7,       0.0);
    ( 397131.2, 3805912.8,    1675.1,    1832.7,       0.0);         ( 397153.8,
3805919.1,    1688.6,    1832.7,       0.0);
    ( 397176.3, 3805925.4,    1703.3,    1832.7,       0.0);         ( 397198.9,
3805931.6,    1718.6,    1832.7,       0.0);
    ( 397221.4, 3805937.9,    1731.8,    1814.0,       0.0);         ( 397244.0,
3805944.2,    1741.9,    1768.0,       0.0);
    ( 397266.5, 3805950.5,    1747.2,    1768.0,       0.0);         ( 397289.1,
3805956.8,    1747.0,    1768.0,       0.0);
    ( 397311.6, 3805963.0,    1747.7,    1768.0,       0.0);         ( 397334.2,
3805969.3,    1750.1,    1768.0,       0.0);
    ( 397356.8, 3805975.6,    1748.1,    1768.0,       0.0);         ( 397379.3,
3805981.9,    1747.6,    1768.0,       0.0);
    ( 397401.9, 3805988.1,    1748.0,    1768.0,       0.0);         ( 397424.4,
3805994.4,    1746.0,    1768.0,       0.0);
    ( 397447.0, 3806000.7,    1740.8,    1768.0,       0.0);         ( 397469.5,
3806007.0,    1736.5,    1768.0,       0.0);
    ( 397492.1, 3806013.3,    1731.2,    1768.0,       0.0);         ( 397514.6,
3806019.5,    1722.8,    1768.0,       0.0);
    ( 397537.2, 3806025.8,    1712.0,    1768.0,       0.0);         ( 397559.8,
3806032.1,    1698.9,    1814.1,       0.0);
    ( 397582.3, 3806038.4,    1686.9,    1814.1,       0.0);         ( 397604.9,
3806044.7,    1683.3,    1823.0,       0.0);
    ( 397627.4, 3806050.9,    1685.8,    1814.1,       0.0);         ( 397650.0,
3806057.2,    1689.9,    1814.1,       0.0);
    ( 397672.5, 3806063.5,    1701.8,    1768.0,       0.0);         ( 397695.1,
3806069.8,    1715.7,    1768.0,       0.0);
    ( 397717.6, 3806076.1,    1724.3,    1768.0,       0.0);         ( 397740.2,
3806082.3,    1719.1,    1768.0,       0.0);
    ( 397762.8, 3806088.6,    1706.4,    1768.0,       0.0);         ( 397785.3,
3806094.9,    1692.2,    1768.0,       0.0);
    ( 397807.9, 3806101.2,    1681.0,    1814.0,       0.0);         ( 397830.4,
3806107.4,    1677.7,    1814.1,       0.0);
    ( 397853.0, 3806113.7,    1680.1,    1768.0,       0.0);         ( 397875.5,
3806120.0,    1677.9,    1768.0,       0.0);
    ( 397898.1, 3806126.3,    1672.3,    1814.1,       0.0);         ( 397920.7,
3806132.6,    1669.3,    1814.1,       0.0);
    ( 397943.2, 3806138.8,    1664.7,    1814.1,       0.0);         ( 397965.8,
3806145.1,    1657.3,    1814.1,       0.0);
    ( 397988.3, 3806151.4,    1648.5,    1814.1,       0.0);         ( 398010.9,
3806157.7,    1643.7,    1814.1,       0.0);
    ( 398033.4, 3806164.0,    1649.5,    1814.1,       0.0);         ( 398056.0,
3806170.2,    1649.5,    1814.1,       0.0);
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(398078.5, 3806176.5, 1645.6, 1814.1, 0.0); (398101.1, 3806182.8, 1641.7, 1814.1, 0.0);
(398123.7, 3806189.1, 1633.4, 1814.1, 0.0); (398146.2, 3806195.4, 1629.8, 1814.1, 0.0);
(398168.8, 3806201.6, 1630.1, 1814.1, 0.0); (398191.3, 3806207.9, 1631.4, 1814.1, 0.0);
(398213.9, 3806214.2, 1627.1, 1814.1, 0.0); (398236.5, 3806220.5, 1621.9, 1814.1, 0.0);
(398259.0, 3806226.8, 1622.0, 1814.1, 0.0); (398281.6, 3806233.0, 1624.4, 1814.1, 0.0);
(398304.1, 3806239.3, 1621.2, 1814.1, 0.0); (398326.7, 3806245.6, 1609.8, 2010.3, 0.0);
(398349.2, 3806251.9, 1608.3, 2010.3, 0.0); (398371.8, 3806258.1, 1612.3, 2010.3, 0.0);
(398394.3, 3806264.4, 1613.0, 2010.3, 0.0); (398416.9, 3806270.7, 1615.8, 2010.3, 0.0);
(398439.5, 3806277.0, 1620.7, 2003.3, 0.0); (398462.0, 3806283.3, 1620.7, 2003.6, 0.0);
(398484.6, 3806289.5, 1617.1, 2010.3, 0.0); (398507.1, 3806295.8, 1611.1, 2010.3, 0.0);
(398529.7, 3806302.1, 1607.5, 2010.3, 0.0); (398552.2, 3806308.4, 1600.6, 2010.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(398574.8, 3806314.6, 1597.0, 2010.3, 0.0); (398597.3, 3806320.9, 1603.7, 2010.3, 0.0);
(398619.9, 3806327.2, 1610.6, 2010.3, 0.0); (398642.5, 3806333.5, 1615.0, 2010.3, 0.0);
(398665.0, 3806339.8, 1616.5, 2010.3, 0.0); (398687.6, 3806346.0, 1619.2, 2010.3, 0.0);
(398710.1, 3806352.3, 1621.6, 2010.3, 0.0); (398732.7, 3806358.6, 1623.3, 2010.3, 0.0);
(398755.2, 3806364.9, 1623.7, 2010.3, 0.0); (398777.8, 3806371.2, 1622.9, 2010.3, 0.0);
(398800.3, 3806377.4, 1619.1, 2010.3, 0.0); (398822.9, 3806383.7, 1609.7, 2010.3, 0.0);
(398845.5, 3806390.0, 1597.0, 2084.7, 0.0); (398868.0, 3806396.3, 1580.3, 2084.7, 0.0);
(398890.6, 3806402.6, 1578.3, 2084.7, 0.0); (396995.9, 3805875.1, 1605.4, 1832.7, 0.0);

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    ( 396972.7, 3805871.0,    1594.3,    1832.7,       0.0);         ( 396949.6,
3805866.9,    1579.2,    1832.7,       0.0);
    ( 396926.4, 3805862.7,    1562.1,    1832.7,       0.0);         ( 396903.3,
3805858.6,    1545.5,    1832.7,       0.0);
    ( 396880.1, 3805854.5,    1528.8,    1832.7,       0.0);         ( 396857.0,
3805850.3,    1513.0,    1832.7,       0.0);
    ( 396833.8, 3805846.2,    1499.9,    2010.3,       0.0);         ( 396810.7,
3805842.1,    1490.2,    2010.3,       0.0);
    ( 396787.5, 3805837.9,    1491.0,    2010.3,       0.0);         ( 397252.8,
3804568.8,    1612.5,    1832.7,       0.0);
    ( 397275.3, 3804575.1,    1602.7,    1832.7,       0.0);         ( 397297.8,
3804581.4,    1595.6,    1832.7,       0.0);
    ( 397320.3, 3804587.6,    1592.0,    1832.7,       0.0);         ( 397342.8,
3804593.9,    1594.6,    1832.7,       0.0);
    ( 397365.3, 3804600.1,    1588.3,    2003.6,       0.0);         ( 397387.8,
3804606.4,    1578.6,    2010.3,       0.0);
    ( 397410.3, 3804612.7,    1568.1,    2010.3,       0.0);         ( 397432.8,
3804618.9,    1555.3,    2010.3,       0.0);
    ( 397455.3, 3804625.2,    1543.4,    2010.3,       0.0);         ( 397477.8,
3804631.5,    1541.8,    2010.3,       0.0);
    ( 397500.3, 3804637.7,    1538.3,    2010.3,       0.0);         ( 397522.8,
3804644.0,    1551.1,    2010.3,       0.0);
    ( 397545.3, 3804650.3,    1562.9,    2010.3,       0.0);         ( 397567.8,
3804656.5,    1565.0,    2010.3,       0.0);
    ( 397590.3, 3804662.8,    1558.2,    2010.3,       0.0);         ( 397612.8,
3804669.1,    1550.4,    2010.3,       0.0);
    ( 397635.3, 3804675.3,    1549.3,    2010.3,       0.0);         ( 397657.8,
3804681.6,    1555.0,    2010.3,       0.0);
    ( 397680.3, 3804687.8,    1555.6,    2010.3,       0.0);         ( 397702.8,
3804694.1,    1558.6,    2010.3,       0.0);
    ( 397725.3, 3804700.4,    1557.6,    2010.3,       0.0);         ( 397747.9,
3804706.6,    1556.2,    2010.3,       0.0);
    ( 397770.4, 3804712.9,    1553.5,    2010.3,       0.0);         ( 397792.9,
3804719.2,    1546.1,    2010.3,       0.0);
    ( 397815.4, 3804725.4,    1534.0,    2010.3,       0.0);         ( 397837.9,
3804731.7,    1520.7,    2010.3,       0.0);
    ( 397860.4, 3804738.0,    1504.2,    2083.7,       0.0);         ( 397882.9,
3804744.2,    1487.6,    2084.7,       0.0);
    ( 397905.4, 3804750.5,    1474.6,    2084.7,       0.0);         ( 397927.9,
3804756.8,    1465.0,    2170.7,       0.0);
    ( 397950.4, 3804763.0,    1459.9,    2170.7,       0.0);         ( 397972.9,
3804769.3,    1453.6,    2170.7,       0.0);
    ( 397995.4, 3804775.5,    1441.5,    2170.7,       0.0);         ( 398017.9,
3804781.8,    1428.9,    2170.7,       0.0);
    ( 398040.4, 3804788.1,    1417.1,    2170.7,       0.0);         ( 398062.9,
3804794.3,    1406.8,    2170.7,       0.0);
    ( 398085.4, 3804800.6,    1398.7,    2170.7,       0.0);         ( 398107.9,
3804806.9,    1390.8,    2170.7,       0.0);
    ( 398130.4, 3804813.1,    1380.8,    2170.7,       0.0);         ( 398152.9,
3804819.4,    1369.0,    2170.7,       0.0);
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(398175.4, 3804825.7, 1355.9, 2170.7, 0.0); (398197.9, 3804831.9, 1342.4, 2170.7, 0.0);
(398220.4, 3804838.2, 1328.8, 2170.7, 0.0); (398242.9, 3804844.5, 1332.1, 2170.7, 0.0);
(398265.4, 3804850.7, 1344.1, 2170.7, 0.0); (398288.0, 3804857.0, 1348.8, 2170.7, 0.0);
(398310.5, 3804863.2, 1354.5, 2170.7, 0.0); (398333.0, 3804869.5, 1362.3, 2170.7, 0.0);
(398355.5, 3804875.8, 1370.3, 2170.7, 0.0); (398378.0, 3804882.0, 1380.4, 2170.7, 0.0);
(398400.5, 3804888.3, 1392.6, 2170.7, 0.0); (398423.0, 3804894.6, 1407.1, 2170.7, 0.0);
(398445.5, 3804900.8, 1421.4, 2170.7, 0.0); (398468.0, 3804907.1, 1426.4, 2170.7, 0.0);
(398490.5, 3804913.4, 1426.8, 2170.7, 0.0); (398513.0, 3804919.6, 1430.6, 2170.7, 0.0);
(398535.5, 3804925.9, 1438.3, 2170.7, 0.0); (398558.0, 3804932.2, 1447.5, 2170.7, 0.0);
(398580.5, 3804938.4, 1457.6, 2170.7, 0.0); (398603.0, 3804944.7, 1471.1, 2170.7, 0.0);
(398625.5, 3804950.9, 1477.9, 2170.7, 0.0); (398648.0, 3804957.2, 1481.4, 2170.7, 0.0);
(398670.5, 3804963.5, 1484.6, 2170.7, 0.0); (398693.0, 3804969.7, 1488.9, 2170.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(398715.5, 3804976.0, 1495.2, 2170.7, 0.0); (398738.0, 3804982.3, 1503.2, 2170.7, 0.0);
(398760.5, 3804988.5, 1509.9, 2170.7, 0.0); (398783.0, 3804994.8, 1510.8, 2170.7, 0.0);
(398805.5, 3805001.1, 1507.6, 2170.7, 0.0); (398828.0, 3805007.3, 1498.7, 2170.7, 0.0);
(398850.5, 3805013.6, 1486.1, 2170.7, 0.0); (398873.0, 3805019.9, 1471.7, 2170.7, 0.0);
(398895.5, 3805026.1, 1456.8, 2170.7, 0.0); (398918.0, 3805032.4, 1441.8, 2170.7, 0.0);
(398940.5, 3805038.6, 1426.5, 2170.7, 0.0); (398963.1, 3805044.9, 1409.9, 2170.7, 0.0);
(398985.6, 3805051.2, 1393.6, 2170.7, 0.0); (399008.1, 3805057.4, 1378.5, 2170.7, 0.0);

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    ( 399030.6, 3805063.7,    1364.8,    2170.7,       0.0);         ( 399053.1,
3805070.0,    1351.7,    2170.7,       0.0);
    ( 399075.6, 3805076.2,    1346.9,    2170.7,       0.0);         ( 399098.1,
3805082.5,    1342.3,    2170.7,       0.0);
    ( 399120.6, 3805088.8,    1336.0,    2170.7,       0.0);         ( 399143.1,
3805095.0,    1330.1,    2170.7,       0.0);
    ( 399165.6, 3805101.3,    1321.0,    2170.7,       0.0);         ( 399188.1,
3805107.6,    1314.6,    2170.7,       0.0);
    ( 399210.6, 3805113.8,    1308.9,    2170.7,       0.0);         ( 399233.1,
3805120.1,    1304.3,    2170.7,       0.0);
    ( 399255.6, 3805126.3,    1304.7,    2170.7,       0.0);         ( 399278.1,
3805132.6,    1308.0,    2170.7,       0.0);
    ( 399300.6, 3805138.9,    1310.6,    2170.7,       0.0);         ( 399323.1,
3805145.1,    1320.6,    2170.7,       0.0);
    ( 399345.6, 3805151.4,    1328.5,    2170.7,       0.0);         ( 399368.1,
3805157.7,    1337.1,    2170.7,       0.0);
    ( 397230.3, 3804562.6,    1620.0,    1832.7,       0.0);         ( 397207.1,
3804558.4,    1627.3,    1832.7,       0.0);
    ( 397184.0, 3804554.3,    1634.5,    1832.7,       0.0);         ( 397160.8,
3804550.2,    1640.1,    1832.7,       0.0);
    ( 397137.7, 3804546.0,    1645.6,    1832.7,       0.0);         ( 397114.5,
3804541.9,    1651.2,    1832.7,       0.0);
    ( 397091.4, 3804537.8,    1657.6,    1832.7,       0.0);         ( 397068.2,
3804533.6,    1663.4,    1832.7,       0.0);
    ( 397045.1, 3804529.5,    1668.0,    1832.7,       0.0);         ( 397021.9,
3804525.4,    1668.3,    1832.7,       0.0);
    ( 394900.7, 3816156.8,     908.9,    1440.1,       0.0);         ( 394857.4,
3816147.2,     905.9,    1440.1,       0.0);
    ( 394906.1, 3816132.4,     906.3,    1440.1,       0.0);         ( 394862.8,
3816122.8,     904.5,    1440.1,       0.0);
    ( 394911.5, 3816108.0,     906.9,    1440.1,       0.0);         ( 394868.2,
3816098.4,     906.0,    1440.1,       0.0);
    ( 394916.9, 3816083.6,     912.1,    1426.6,       0.0);         ( 394873.6,
3816074.0,     909.6,    1439.0,       0.0);
    ( 394927.7, 3816034.7,     907.9,    1356.4,       0.0);         ( 394884.4,
3816025.2,     907.6,    1426.6,       0.0);
    ( 394938.5, 3815985.9,     901.4,    1432.4,       0.0);         ( 394895.2,
3815976.3,     900.7,    1439.0,       0.0);
    ( 394949.3, 3815937.1,     902.2,    1356.4,       0.0);         ( 394906.0,
3815927.5,     901.0,    1356.4,       0.0);
    ( 394960.1, 3815888.3,     903.3,    1356.4,       0.0);         ( 394916.8,
3815878.7,     902.3,    1356.4,       0.0);
    ( 394970.9, 3815839.5,     904.7,    1356.4,       0.0);         ( 394927.6,
3815829.9,     903.8,    1356.4,       0.0);
    ( 394992.5, 3815741.8,     908.8,    1356.4,       0.0);         ( 394949.2,
3815732.2,     907.8,    1356.4,       0.0);
    ( 394992.5, 3815639.4,     913.3,    1356.4,       0.0);         ( 395014.1,
3815541.8,     920.4,    1356.4,       0.0);
    ( 395035.7, 3815444.1,     934.2,    1356.4,       0.0);         ( 395057.3,
3815346.5,     939.6,    1356.4,       0.0);
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     ( 395089.7, 3815097.6,     950.8,    1356.4,       0.0);         ( 395143.8,
3814853.5,    1015.1,    1356.4,       0.0);
     ( 395197.8, 3814609.4,    1085.2,    1356.4,       0.0);         ( 394827.0,
3816170.6,     910.9,    1440.1,       0.0);
     ( 394826.0, 3816194.8,     914.4,    1440.1,       0.0);         ( 394825.0,
3816219.0,     916.9,    1440.1,       0.0);
     ( 394824.0, 3816243.2,     918.0,    1440.1,       0.0);         ( 394823.0,
3816267.4,     918.7,    1440.1,       0.0);
     ( 394822.0, 3816291.6,     919.5,    1440.1,       0.0);         ( 394811.8,
3816150.8,     909.8,    1440.1,       0.0);
     ( 394801.0, 3816193.7,     914.8,    1440.1,       0.0);         ( 394800.0,
3816217.9,     916.8,    1440.1,       0.0);
     ( 394799.0, 3816242.1,     917.8,    1440.1,       0.0);         ( 394798.0,
3816266.4,     918.1,    1440.1,       0.0);
     ( 394786.8, 3816149.7,     911.8,    1440.1,       0.0);         ( 394826.9,
3816107.6,     902.8,    1440.1,       0.0);
     ( 394776.0, 3816192.7,     914.8,    1440.1,       0.0);         ( 394775.0,
3816216.9,     916.2,    1440.1,       0.0);
     ( 394774.0, 3816241.1,     916.9,    1440.1,       0.0);         ( 394773.0,
3816265.3,     917.6,    1440.1,       0.0);
     ( 394761.8, 3816148.7,     910.2,    1440.1,       0.0);         ( 394781.3,
3816111.1,     904.9,    1440.1,       0.0);
     ( 394811.7, 3816087.8,     902.0,    1440.1,       0.0);         ( 394751.1,
3816191.6,     913.6,    1440.1,       0.0);
     ( 394750.0, 3816215.8,     915.6,    1440.1,       0.0);         ( 394749.0,
3816240.1,     916.3,    1440.1,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                        ***        09:14:47

                                  PAGE 211
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

     ( 394711.9, 3816146.6,     912.2,    1440.1,       0.0);         ( 394731.3,
3816109.0,     909.6,    1440.1,       0.0);
     ( 394750.8, 3816071.5,     903.7,    1440.1,       0.0);         ( 394781.2,
3816048.1,     900.1,    1440.1,       0.0);
     ( 394822.5, 3816038.9,     902.2,    1440.1,       0.0);         ( 394701.1,
3816189.5,     913.7,    1440.1,       0.0);
     ( 394700.1, 3816213.8,     914.5,    1440.1,       0.0);         ( 394663.3,
3816141.8,     911.4,    1440.1,       0.0);
     ( 394674.4, 3816120.3,     909.2,    1440.1,       0.0);         ( 394685.5,
3816098.9,     909.8,    1440.1,       0.0);
     ( 394696.7, 3816077.4,     910.0,    1440.1,       0.0);         ( 394707.8,
3816056.0,     909.4,    1440.1,       0.0);
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     ( 394718.9, 3816034.5,     907.6,    1440.1,       0.0);         ( 394753.7,
3816007.8,     899.1,    1440.1,       0.0);
     ( 394777.2, 3816002.6,     899.1,    1440.1,       0.0);         ( 394800.8,
3815997.3,     899.8,    1440.1,       0.0);
     ( 394824.4, 3815992.1,     900.5,    1440.1,       0.0);         ( 394848.0,
3815986.8,     900.1,    1440.1,       0.0);
     ( 394871.6, 3815981.6,     900.6,    1439.0,       0.0);         ( 394652.2,
3816163.2,     912.1,    1440.1,       0.0);
     ( 394651.1, 3816187.5,     912.9,    1440.1,       0.0);         ( 394613.0,
3816140.3,     910.5,    1440.1,       0.0);
     ( 394623.8, 3816119.4,     909.8,    1440.1,       0.0);         ( 394634.7,
3816098.6,     910.1,    1440.1,       0.0);
     ( 394645.5, 3816077.7,     910.5,    1440.1,       0.0);         ( 394656.3,
3816056.9,     908.9,    1440.1,       0.0);
     ( 394667.1, 3816036.0,     907.6,    1440.1,       0.0);         ( 394678.0,
3816015.2,     907.1,    1440.1,       0.0);
     ( 394688.8, 3815994.3,     903.9,    1440.1,       0.0);         ( 394722.5,
3815968.3,     898.5,    1440.1,       0.0);
     ( 394745.5, 3815963.2,     897.9,    1440.1,       0.0);         ( 394768.4,
3815958.1,     898.2,    1440.1,       0.0);
     ( 394791.3, 3815953.0,     898.7,    1440.1,       0.0);         ( 394814.3,
3815947.9,     898.9,    1440.1,       0.0);
     ( 394837.2, 3815942.8,     899.1,    1439.0,       0.0);         ( 394860.1,
3815937.7,     899.7,    1430.2,       0.0);
     ( 394883.1, 3815932.6,     900.4,    1356.4,       0.0);         ( 394602.2,
3816161.2,     911.2,    1440.1,       0.0);
     ( 394573.5, 3816118.1,     908.9,    1440.1,       0.0);         ( 394584.1,
3816097.6,     907.2,    1440.1,       0.0);
     ( 394594.8, 3816077.2,     907.1,    1440.1,       0.0);         ( 394605.4,
3816056.7,     908.6,    1440.1,       0.0);
     ( 394616.0, 3816036.2,     905.6,    1440.1,       0.0);         ( 394626.6,
3816015.7,     902.8,    1440.1,       0.0);
     ( 394637.2, 3815995.2,     904.4,    1440.1,       0.0);         ( 394647.9,
3815974.8,     899.9,    1440.1,       0.0);
     ( 394658.5, 3815954.3,     895.8,    1440.1,       0.0);         ( 394691.6,
3815928.8,     896.2,    1440.1,       0.0);
     ( 394714.1, 3815923.8,     896.7,    1440.1,       0.0);         ( 394736.7,
3815918.8,     897.2,    1440.1,       0.0);
     ( 394759.2, 3815913.8,     897.4,    1440.1,       0.0);         ( 394781.7,
3815908.8,     898.0,    1439.0,       0.0);
     ( 394804.2, 3815903.8,     898.6,    1426.6,       0.0);         ( 394826.8,
3815898.8,     899.3,    1356.4,       0.0);
     ( 394849.3, 3815893.7,     899.9,    1356.4,       0.0);         ( 394871.8,
3815888.7,     900.5,    1356.4,       0.0);
     ( 394894.3, 3815883.7,     901.6,    1356.4,       0.0);         ( 394533.8,
3816096.3,     907.3,    1440.1,       0.0);
     ( 394544.2, 3816076.1,     905.9,    1440.1,       0.0);         ( 394554.7,
3816055.9,     906.2,    1440.1,       0.0);
     ( 394565.2, 3816035.7,     906.9,    1440.1,       0.0);         ( 394575.7,
3816015.5,     904.4,    1440.1,       0.0);
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(394586.2, 3815995.2, 899.5, 1440.1, 0.0); (394596.7, 3815975.0, 896.7, 1440.1, 0.0);
(394607.2, 3815954.8, 895.1, 1440.1, 0.0); (394617.6, 3815934.6, 894.8, 1440.1, 0.0);
(394628.1, 3815914.4, 894.7, 1440.1, 0.0); (394660.9, 3815889.2, 895.5, 1440.1, 0.0);
(394683.1, 3815884.3, 896.0, 1440.1, 0.0); (394705.3, 3815879.3, 896.5, 1439.0, 0.0);
(394727.5, 3815874.4, 897.1, 1439.0, 0.0); (394749.8, 3815869.4, 897.6, 1356.4, 0.0);
(394772.0, 3815864.5, 898.2, 1356.4, 0.0); (394794.2, 3815859.6, 898.7, 1356.4, 0.0);
(394816.5, 3815854.6, 899.7, 1356.4, 0.0); (394838.7, 3815849.7, 900.6, 1356.4, 0.0);
(394860.9, 3815844.7, 901.3, 1356.4, 0.0); (394883.2, 3815839.8, 902.0, 1356.4, 0.0);
(394905.4, 3815834.8, 902.8, 1356.4, 0.0); (394413.3, 3816131.7, 906.4, 1440.1, 0.0);
(394424.3, 3816110.6, 906.1, 1440.1, 0.0); (394446.2, 3816068.3, 904.0, 1440.1, 0.0);
(394457.2, 3816047.2, 901.7, 1440.1, 0.0); (394468.1, 3816026.1, 900.0, 1440.1, 0.0);
(394479.1, 3816005.0, 897.9, 1440.1, 0.0); (394490.0, 3815983.8, 894.7, 1440.1, 0.0);
(394501.0, 3815962.7, 892.3, 1440.1, 0.0); (394511.9, 3815941.6, 892.6, 1440.1, 0.0);
(394522.9, 3815920.5, 892.8, 1440.1, 0.0); (394533.8, 3815899.4, 892.5, 1440.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394544.8, 3815878.3, 892.8, 1440.1, 0.0); (394555.8, 3815857.1, 893.4, 1440.1, 0.0);
(394566.7, 3815836.0, 893.7, 1440.1, 0.0); (394600.9, 3815809.7, 894.7, 1430.2, 0.0);
(394624.1, 3815804.6, 895.8, 1356.4, 0.0); (394647.3, 3815799.4, 896.8, 1356.4, 0.0);
(394670.6, 3815794.2, 897.3, 1356.4, 0.0); (394693.8, 3815789.1, 898.2, 1356.4, 0.0);
(394717.0, 3815783.9, 899.1, 1356.4, 0.0); (394740.2, 3815778.7, 899.8, 1356.4, 0.0);

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    ( 394763.5, 3815773.6,     900.3,    1356.4,       0.0);         ( 394786.7,
3815768.4,     901.3,    1356.4,       0.0);
    ( 394809.9, 3815763.2,     902.2,    1356.4,       0.0);         ( 394833.1,
3815758.1,     903.1,    1356.4,       0.0);
    ( 394856.3, 3815752.9,     904.2,    1356.4,       0.0);         ( 394879.6,
3815747.8,     905.1,    1356.4,       0.0);
    ( 394902.8, 3815742.6,     906.0,    1356.4,       0.0);         ( 394926.0,
3815737.4,     906.8,    1356.4,       0.0);
    ( 394402.4, 3816152.8,     906.2,    1440.1,       0.0);         ( 394401.4,
3816177.0,     906.4,    1440.1,       0.0);
    ( 394400.4, 3816201.2,     906.5,    1440.1,       0.0);         ( 394399.3,
3816225.4,     906.6,    1440.1,       0.0);
    ( 394398.3, 3816249.6,     906.7,    1440.1,       0.0);         ( 394397.3,
3816273.8,     906.7,    1440.1,       0.0);
    ( 394396.3, 3816298.0,     906.6,    1440.1,       0.0);         ( 394313.2,
3816128.0,     903.1,    1440.1,       0.0);
    ( 394323.9, 3816107.3,     903.4,    1440.1,       0.0);         ( 394334.6,
3816086.7,     903.6,    1440.1,       0.0);
    ( 394345.3, 3816066.0,     903.5,    1440.1,       0.0);         ( 394356.0,
3816045.4,     902.2,    1440.1,       0.0);
    ( 394366.7, 3816024.7,     900.2,    1440.1,       0.0);         ( 394377.5,
3816004.1,     895.9,    1440.1,       0.0);
    ( 394388.2, 3815983.4,     892.8,    1440.1,       0.0);         ( 394398.9,
3815962.8,     890.9,    1440.1,       0.0);
    ( 394409.6, 3815942.1,     890.5,    1440.1,       0.0);         ( 394420.3,
3815921.5,     890.7,    1440.1,       0.0);
    ( 394431.0, 3815900.8,     890.8,    1440.1,       0.0);         ( 394441.7,
3815880.2,     890.5,    1440.1,       0.0);
    ( 394452.4, 3815859.5,     890.6,    1440.1,       0.0);         ( 394463.1,
3815838.9,     891.3,    1440.1,       0.0);
    ( 394473.9, 3815818.2,     891.7,    1440.1,       0.0);         ( 394484.6,
3815797.6,     891.8,    1440.1,       0.0);
    ( 394495.3, 3815776.9,     891.7,    1439.0,       0.0);         ( 394506.0,
3815756.3,     891.8,    1430.2,       0.0);
    ( 394539.4, 3815730.6,     892.2,    1356.4,       0.0);         ( 394562.1,
3815725.5,     893.1,    1356.4,       0.0);
    ( 394584.8, 3815720.5,     896.2,    1356.4,       0.0);         ( 394607.5,
3815715.4,     904.4,    1356.4,       0.0);
    ( 394630.2, 3815710.4,     908.9,    1356.4,       0.0);         ( 394653.0,
3815705.3,     912.4,    1356.4,       0.0);
    ( 394675.7, 3815700.3,     916.7,    1356.4,       0.0);         ( 394698.4,
3815695.2,     920.2,    1356.4,       0.0);
    ( 394721.1, 3815690.2,     921.1,    1356.4,       0.0);         ( 394743.8,
3815685.1,     918.8,    1356.4,       0.0);
    ( 394766.5, 3815680.1,     917.0,    1356.4,       0.0);         ( 394789.2,
3815675.0,     911.1,    1356.4,       0.0);
    ( 394811.9, 3815670.0,     907.9,    1356.4,       0.0);         ( 394834.6,
3815664.9,     906.9,    1356.4,       0.0);
    ( 394857.3, 3815659.9,     907.4,    1356.4,       0.0);         ( 394880.0,
3815654.8,     908.6,    1356.4,       0.0);
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(394902.7, 3815649.8, 909.8, 1356.4, 0.0); (394925.4,
3815644.7, 910.7, 1356.4, 0.0);
(394948.1, 3815639.7, 911.5, 1356.4, 0.0); (394302.5,
3816148.6, 903.0, 1440.1, 0.0);
(394301.5, 3816172.8, 903.2, 1440.1, 0.0); (394300.4,
3816197.0, 903.3, 1440.1, 0.0);
(394299.4, 3816221.2, 903.4, 1440.1, 0.0); (394298.4,
3816245.4, 903.4, 1440.1, 0.0);
(394297.4, 3816269.6, 903.3, 1440.1, 0.0); (394296.4,
3816293.9, 903.7, 1440.1, 0.0);
(394213.6, 3816123.2, 900.0, 1440.1, 0.0); (394224.6,
3816102.0, 900.2, 1440.1, 0.0);
(394235.6, 3816080.8, 900.4, 1440.1, 0.0); (394246.6,
3816059.5, 900.8, 1440.1, 0.0);
(394257.6, 3816038.3, 900.7, 1440.1, 0.0); (394268.6,
3816017.1, 900.1, 1440.1, 0.0);
(394279.6, 3815995.9, 898.8, 1440.1, 0.0); (394290.6,
3815974.7, 898.3, 1440.1, 0.0);
(394301.6, 3815953.4, 894.4, 1440.1, 0.0); (394312.6,
3815932.2, 889.1, 1440.1, 0.0);
(394323.6, 3815911.0, 888.9, 1440.1, 0.0); (394334.7,
3815889.8, 888.9, 1440.1, 0.0);
(394345.7, 3815868.6, 889.1, 1440.1, 0.0); (394356.7,
3815847.3, 888.7, 1440.1, 0.0);
(394367.7, 3815826.1, 888.7, 1440.1, 0.0); (394378.7,
3815804.9, 889.3, 1440.1, 0.0);
(394389.7, 3815783.7, 889.6, 1440.1, 0.0); (394400.7,
3815762.5, 889.7, 1440.1, 0.0);
(394411.7, 3815741.2, 889.6, 1440.1, 0.0); (394422.7,
3815720.0, 889.4, 1439.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394433.7, 3815698.8, 889.4, 1356.4, 0.0); (394444.7,
3815677.6, 890.1, 1356.4, 0.0);
(394479.1, 3815651.2, 892.3, 1356.4, 0.0); (394502.4,
3815646.0, 894.0, 1356.4, 0.0);
(394525.8, 3815640.8, 895.8, 1356.4, 0.0); (394549.1,
3815635.6, 897.5, 1356.4, 0.0);
(394572.4, 3815630.4, 901.3, 1356.4, 0.0); (394595.8,
3815625.2, 905.9, 1356.4, 0.0);

```
     ( 394619.1, 3815620.0,     908.6,    1356.4,       0.0);         ( 394642.4,
3815614.8,     910.1,    1356.4,       0.0);
     ( 394665.8, 3815609.6,     912.5,    1356.4,       0.0);         ( 394689.1,
3815604.5,     916.6,    1356.4,       0.0);
     ( 394712.4, 3815599.3,     924.1,    1356.4,       0.0);         ( 394735.8,
3815594.1,     931.0,    1356.4,       0.0);
     ( 394759.1, 3815588.9,     930.2,    1356.4,       0.0);         ( 394782.5,
3815583.7,     924.5,    1356.4,       0.0);
     ( 394805.8, 3815578.5,     917.2,    1356.4,       0.0);         ( 394829.1,
3815573.3,     914.5,    1356.4,       0.0);
     ( 394852.5, 3815568.1,     914.8,    1356.4,       0.0);         ( 394875.8,
3815562.9,     914.0,    1356.4,       0.0);
     ( 394899.1, 3815557.7,     914.2,    1356.4,       0.0);         ( 394922.5,
3815552.5,     917.1,    1356.4,       0.0);
     ( 394945.8, 3815547.4,     920.3,    1356.4,       0.0);         ( 394969.1,
3815542.2,     922.0,    1356.4,       0.0);
     ( 394202.6, 3816144.4,     899.9,    1440.1,       0.0);         ( 394201.5,
3816168.6,     900.2,    1440.1,       0.0);
     ( 394200.5, 3816192.8,     900.3,    1440.1,       0.0);         ( 394199.5,
3816217.0,     900.5,    1440.1,       0.0);
     ( 394198.5, 3816241.3,     901.1,    1440.1,       0.0);         ( 394197.5,
3816265.5,     901.7,    1440.1,       0.0);
     ( 394196.5, 3816289.7,     901.9,    1440.1,       0.0);         ( 394113.5,
3816119.4,     897.4,    1440.1,       0.0);
     ( 394124.3, 3816098.5,     897.4,    1440.1,       0.0);         ( 394135.1,
3816077.7,     897.6,    1440.1,       0.0);
     ( 394145.9, 3816056.8,     897.8,    1440.1,       0.0);         ( 394156.8,
3816036.0,     898.1,    1440.1,       0.0);
     ( 394167.6, 3816015.1,     897.9,    1440.1,       0.0);         ( 394178.4,
3815994.2,     897.8,    1440.1,       0.0);
     ( 394189.2, 3815973.4,     897.5,    1440.1,       0.0);         ( 394200.0,
3815952.5,     895.5,    1440.1,       0.0);
     ( 394210.8, 3815931.7,     892.2,    1440.1,       0.0);         ( 394221.7,
3815910.8,     889.3,    1440.1,       0.0);
     ( 394232.5, 3815890.0,     887.2,    1440.1,       0.0);         ( 394243.3,
3815869.1,     887.1,    1440.1,       0.0);
     ( 394254.1, 3815848.2,     887.0,    1440.1,       0.0);         ( 394265.0,
3815827.4,     887.1,    1440.1,       0.0);
     ( 394275.8, 3815806.5,     887.3,    1440.1,       0.0);         ( 394286.6,
3815785.7,     887.0,    1440.1,       0.0);
     ( 394297.4, 3815764.8,     887.0,    1440.1,       0.0);         ( 394308.2,
3815743.9,     886.9,    1440.1,       0.0);
     ( 394319.0, 3815723.1,     887.3,    1440.1,       0.0);         ( 394329.9,
3815702.2,     887.3,    1440.1,       0.0);
     ( 394340.7, 3815681.4,     887.4,    1439.0,       0.0);         ( 394351.5,
3815660.5,     887.3,    1356.4,       0.0);
     ( 394362.3, 3815639.7,     887.8,    1356.4,       0.0);         ( 394373.1,
3815618.8,     888.8,    1356.4,       0.0);
     ( 394384.0, 3815597.9,     890.0,    1356.4,       0.0);         ( 394417.7,
3815572.0,     893.8,    1356.4,       0.0);
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(394440.7, 3815566.9, 896.3, 1356.4, 0.0); (394463.6, 3815561.8, 896.9, 1356.4, 0.0);
(394486.5, 3815556.7, 899.3, 1356.4, 0.0); (394509.5, 3815551.6, 900.6, 1356.4, 0.0);
(394532.4, 3815546.5, 899.8, 1356.4, 0.0); (394555.3, 3815541.4, 899.7, 1356.4, 0.0);
(394578.3, 3815536.3, 900.2, 1356.4, 0.0); (394601.2, 3815531.2, 901.0, 1356.4, 0.0);
(394624.1, 3815526.1, 902.6, 1356.4, 0.0); (394647.1, 3815521.0, 904.1, 1356.4, 0.0);
(394670.0, 3815515.9, 906.2, 1356.4, 0.0); (394693.0, 3815510.8, 908.5, 1356.4, 0.0);
(394715.9, 3815505.7, 910.7, 1356.4, 0.0); (394738.8, 3815500.6, 916.5, 1356.4, 0.0);
(394761.8, 3815495.5, 918.6, 1356.4, 0.0); (394784.7, 3815490.4, 919.4, 1356.4, 0.0);
(394807.6, 3815485.3, 921.1, 1356.4, 0.0); (394830.6, 3815480.2, 922.6, 1356.4, 0.0);
(394853.5, 3815475.1, 923.9, 1356.4, 0.0); (394876.5, 3815469.9, 925.2, 1356.4, 0.0);
(394899.4, 3815464.8, 926.5, 1356.4, 0.0); (394922.3, 3815459.8, 927.8, 1356.4, 0.0);
(394945.3, 3815454.6, 929.2, 1356.4, 0.0); (394968.2, 3815449.5, 930.5, 1356.4, 0.0);
(394991.1, 3815444.4, 931.8, 1356.4, 0.0); (394102.6, 3816140.2, 897.5, 1440.1, 0.0);
(394101.6, 3816164.5, 897.9, 1440.1, 0.0); (394100.6, 3816188.7, 898.3, 1440.1, 0.0);
(394099.6, 3816212.9, 898.7, 1440.1, 0.0); (394098.6, 3816237.1, 898.8, 1440.1, 0.0);
(394097.6, 3816261.3, 898.8, 1440.1, 0.0); (394096.6, 3816285.5, 898.9, 1440.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394013.8, 3816114.8, 895.2, 1440.1, 0.0); (394024.8, 3816093.5, 895.0, 1440.1, 0.0);
(394035.8, 3816072.2, 895.0, 1440.1, 0.0); (394046.9, 3816051.0, 894.8, 1440.1, 0.0);
(394057.9, 3816029.7, 894.7, 1440.1, 0.0); (394069.0, 3816008.4, 894.9, 1440.1, 0.0);

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    ( 394080.0, 3815987.1,     895.0,    1440.1,       0.0);         ( 394091.0,
3815965.9,     895.0,    1440.1,       0.0);
    ( 394102.1, 3815944.6,     894.8,    1440.1,       0.0);         ( 394113.1,
3815923.3,     894.8,    1440.1,       0.0);
    ( 394124.1, 3815902.0,     894.5,    1440.1,       0.0);         ( 394135.2,
3815880.8,     892.0,    1440.1,       0.0);
    ( 394146.2, 3815859.5,     887.8,    1440.1,       0.0);         ( 394157.2,
3815838.2,     885.1,    1440.1,       0.0);
    ( 394168.3, 3815816.9,     885.3,    1440.1,       0.0);         ( 394179.3,
3815795.7,     885.1,    1440.1,       0.0);
    ( 394190.3, 3815774.4,     885.2,    1440.1,       0.0);         ( 394201.4,
3815753.1,     885.4,    1440.1,       0.0);
    ( 394212.4, 3815731.8,     885.3,    1440.1,       0.0);         ( 394223.5,
3815710.6,     885.1,    1440.1,       0.0);
    ( 394234.5, 3815689.3,     885.0,    1440.1,       0.0);         ( 394245.5,
3815668.0,     885.1,    1440.1,       0.0);
    ( 394256.6, 3815646.7,     885.4,    1939.6,       0.0);         ( 394267.6,
3815625.5,     885.6,    1939.6,       0.0);
    ( 394278.6, 3815604.2,     886.8,    1939.6,       0.0);         ( 394289.7,
3815582.9,     888.0,    1939.6,       0.0);
    ( 394300.7, 3815561.6,     889.3,    1939.6,       0.0);         ( 394311.8,
3815540.4,     890.7,    1939.6,       0.0);
    ( 394322.8, 3815519.1,     891.7,    1939.6,       0.0);         ( 394357.2,
3815492.6,     894.9,    1939.6,       0.0);
    ( 394380.6, 3815487.4,     895.3,    1939.6,       0.0);         ( 394404.0,
3815482.2,     897.1,    1937.2,       0.0);
    ( 394427.4, 3815477.0,     899.2,    1356.4,       0.0);         ( 394450.8,
3815471.8,     903.8,    1356.4,       0.0);
    ( 394474.2, 3815466.6,     905.7,    1356.4,       0.0);         ( 394497.6,
3815461.4,     907.5,    1356.4,       0.0);
    ( 394521.0, 3815456.2,     908.3,    1356.4,       0.0);         ( 394544.4,
3815451.0,     909.2,    1356.4,       0.0);
    ( 394567.8, 3815445.8,     911.0,    1356.4,       0.0);         ( 394591.2,
3815440.6,     912.8,    1356.4,       0.0);
    ( 394614.6, 3815435.4,     914.9,    1356.4,       0.0);         ( 394638.0,
3815430.2,     916.4,    1356.4,       0.0);
    ( 394661.4, 3815425.0,     917.5,    1356.4,       0.0);         ( 394684.8,
3815419.8,     918.0,    1356.4,       0.0);
    ( 394708.1, 3815414.6,     918.4,    1356.4,       0.0);         ( 394731.5,
3815409.4,     914.7,    1356.4,       0.0);
    ( 394754.9, 3815404.1,     913.8,    1356.4,       0.0);         ( 394778.3,
3815398.9,     915.1,    1356.4,       0.0);
    ( 394801.7, 3815393.8,     916.7,    1356.4,       0.0);         ( 394825.1,
3815388.5,     919.8,    1356.4,       0.0);
    ( 394848.5, 3815383.3,     923.8,    1356.4,       0.0);         ( 394871.9,
3815378.1,     928.1,    1356.4,       0.0);
    ( 394895.3, 3815372.9,     930.1,    1356.4,       0.0);         ( 394918.7,
3815367.7,     931.0,    1356.4,       0.0);
    ( 394942.1, 3815362.5,     932.6,    1356.4,       0.0);         ( 394965.5,
3815357.3,     934.2,    1356.4,       0.0);
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(394988.9, 3815352.1, 936.0, 1356.4, 0.0); (395012.3, 3815346.9, 937.4, 1356.4, 0.0);
(394002.7, 3816136.1, 895.3, 1440.1, 0.0); (394001.7, 3816160.3, 895.7, 1440.1, 0.0);
(394000.7, 3816184.5, 896.1, 1440.1, 0.0); (393999.7, 3816208.7, 896.0, 1440.1, 0.0);
(393998.7, 3816232.9, 896.2, 1440.1, 0.0); (393997.7, 3816257.1, 896.7, 1440.1, 0.0);
(393996.6, 3816281.3, 897.5, 1440.1, 0.0); (393763.9, 3816104.4, 888.6, 1440.1, 0.0);
(393774.9, 3816083.2, 888.8, 1440.1, 0.0); (393785.9, 3816062.1, 888.8, 1440.1, 0.0);
(393796.9, 3816040.9, 888.9, 1440.1, 0.0); (393807.9, 3816019.7, 889.0, 1440.1, 0.0);
(393818.9, 3815998.5, 889.2, 1440.1, 0.0); (393829.9, 3815977.4, 888.9, 1440.1, 0.0);
(393840.8, 3815956.2, 888.7, 1440.1, 0.0); (393851.8, 3815935.0, 888.5, 1440.1, 0.0);
(393862.8, 3815913.8, 888.0, 1440.1, 0.0); (393873.8, 3815892.6, 888.1, 1440.1, 0.0);
(393884.8, 3815871.5, 888.6, 1440.1, 0.0); (393895.8, 3815850.3, 888.4, 1440.1, 0.0);
(393906.8, 3815829.1, 888.1, 1440.1, 0.0); (393917.8, 3815807.9, 887.3, 1440.1, 0.0);
(393928.7, 3815786.8, 884.3, 1440.1, 0.0); (393939.7, 3815765.6, 881.9, 1939.6, 0.0);
(393950.7, 3815744.4, 880.6, 1939.6, 0.0); (393961.7, 3815723.2, 880.8, 1939.6, 0.0);
(393972.7, 3815702.0, 880.6, 1939.6, 0.0); (393983.7, 3815680.9, 880.8, 1939.6, 0.0);
(393994.7, 3815659.7, 881.0, 1939.6, 0.0); (394005.6, 3815638.5, 881.3, 1939.6, 0.0);
(394016.6, 3815617.3, 881.2, 1939.6, 0.0); (394027.6, 3815596.1, 881.1, 1939.6, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394038.6, 3815575.0, 881.3, 1939.6, 0.0); (394049.6, 3815553.8, 881.3, 1981.2, 0.0);
(394060.6, 3815532.6, 881.4, 1981.2, 0.0); (394071.6, 3815511.4, 881.4, 1981.2, 0.0);

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    ( 394082.5, 3815490.2,     881.5,    1981.2,       0.0);         ( 394093.5,
3815469.1,     881.7,    1981.2,       0.0);
    ( 394104.5, 3815447.9,     881.6,    1981.2,       0.0);         ( 394115.5,
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    ( 394126.5, 3815405.5,     883.3,    1981.2,       0.0);         ( 394137.5,
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    ( 394148.5, 3815363.2,     886.2,    1981.2,       0.0);         ( 394159.5,
3815342.0,     888.1,    1981.2,       0.0);
    ( 394170.4, 3815320.8,     889.8,    1981.2,       0.0);         ( 394204.7,
3815294.5,     893.7,    1981.2,       0.0);
    ( 394228.0, 3815289.3,     895.1,    1981.2,       0.0);         ( 394251.3,
3815284.1,     896.8,    1981.2,       0.0);
    ( 394274.6, 3815278.9,     899.7,    1981.2,       0.0);         ( 394297.9,
3815273.7,     901.6,    1981.2,       0.0);
    ( 394321.2, 3815268.6,     903.7,    1939.6,       0.0);         ( 394344.5,
3815263.4,     905.9,    1939.6,       0.0);
    ( 394367.7, 3815258.2,     908.0,    1939.6,       0.0);         ( 394391.0,
3815253.0,     909.9,    1939.6,       0.0);
    ( 394414.3, 3815247.8,     911.9,    1939.6,       0.0);         ( 394437.6,
3815242.7,     914.3,    1939.6,       0.0);
    ( 394460.9, 3815237.5,     916.8,    1939.6,       0.0);         ( 394484.2,
3815232.3,     919.2,    1356.4,       0.0);
    ( 394507.5, 3815227.1,     921.0,    1356.4,       0.0);         ( 394530.8,
3815221.9,     920.8,    1356.4,       0.0);
    ( 394554.1, 3815216.8,     922.7,    1356.4,       0.0);         ( 394577.3,
3815211.6,     927.3,    1356.4,       0.0);
    ( 394600.6, 3815206.4,     931.5,    1356.4,       0.0);         ( 394623.9,
3815201.2,     935.4,    1356.4,       0.0);
    ( 394647.2, 3815196.0,     937.6,    1356.4,       0.0);         ( 394670.5,
3815190.9,     937.4,    1356.4,       0.0);
    ( 394693.8, 3815185.7,     936.4,    1356.4,       0.0);         ( 394717.1,
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    ( 394740.4, 3815175.3,     931.9,    1356.4,       0.0);         ( 394763.7,
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    ( 394787.0, 3815165.0,     938.6,    1356.4,       0.0);         ( 394810.2,
3815159.8,     941.2,    1356.4,       0.0);
    ( 394833.5, 3815154.6,     942.1,    1356.4,       0.0);         ( 394856.8,
3815149.4,     939.6,    1356.4,       0.0);
    ( 394880.1, 3815144.2,     938.2,    1356.4,       0.0);         ( 394903.4,
3815139.1,     939.8,    1356.4,       0.0);
    ( 394926.7, 3815133.9,     944.2,    1356.4,       0.0);         ( 394950.0,
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    ( 394973.3, 3815123.5,     951.6,    1356.4,       0.0);         ( 394996.6,
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    ( 395019.8, 3815113.2,     952.7,    1356.4,       0.0);         ( 395043.1,
3815108.0,     949.1,    1356.4,       0.0);
    ( 395066.4, 3815102.8,     950.0,    1356.4,       0.0);         ( 393753.0,
3816125.6,     888.4,    1440.1,       0.0);
    ( 393751.9, 3816149.8,     889.2,    1440.1,       0.0);         ( 393750.9,
3816174.0,     889.6,    1440.1,       0.0);
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(393749.9, 3816198.2, 889.6, 1440.1, 0.0); (393748.9, 3816222.4, 889.5, 1440.1, 0.0);
(393747.9, 3816246.6, 890.0, 1440.1, 0.0); (393746.9, 3816270.8, 890.7, 1440.1, 0.0);
(393514.1, 3816094.0, 882.4, 1440.1, 0.0); (393525.1, 3816072.9, 882.3, 1440.1, 0.0);
(393536.0, 3816051.8, 882.2, 1440.1, 0.0); (393547.0, 3816030.7, 882.2, 1440.1, 0.0);
(393558.0, 3816009.6, 882.5, 1440.1, 0.0); (393568.9, 3815988.4, 882.7, 1440.1, 0.0);
(393579.9, 3815967.3, 882.5, 1440.1, 0.0); (393590.8, 3815946.2, 882.2, 1440.1, 0.0);
(393601.8, 3815925.1, 881.4, 1440.1, 0.0); (393612.7, 3815904.0, 881.6, 1440.1, 0.0);
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(393645.6, 3815840.6, 882.4, 1939.6, 0.0); (393656.5, 3815819.5, 882.4, 1939.6, 0.0);
(393667.5, 3815798.4, 882.7, 1939.6, 0.0); (393678.5, 3815777.3, 882.6, 1939.6, 0.0);
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(393711.3, 3815713.9, 879.7, 1939.6, 0.0); (393722.3, 3815692.8, 879.4, 1939.6, 0.0);
(393733.2, 3815671.7, 877.7, 1981.2, 0.0); (393744.2, 3815650.5, 876.9, 1981.2, 0.0);
(393755.1, 3815629.4, 876.9, 1981.2, 0.0); (393766.1, 3815608.3, 876.8, 1981.2, 0.0);
(393777.0, 3815587.2, 876.7, 1981.2, 0.0); (393788.0, 3815566.1, 876.6, 1981.2, 0.0);
(393799.0, 3815545.0, 876.6, 1981.2, 0.0); (393809.9, 3815523.8, 876.4, 1981.2, 0.0);
(393820.9, 3815502.7, 876.5, 1981.2, 0.0); (393831.8, 3815481.6, 876.5, 1989.0, 0.0);
(393842.8, 3815460.5, 876.4, 1990.0, 0.0); (393853.7, 3815439.4, 876.4, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(393864.7, 3815418.2, 876.6, 1990.0, 0.0); (393875.6, 3815397.1, 876.4, 1990.0, 0.0);

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3815354.9,     876.8,    1990.0,       0.0);
    ( 393908.5, 3815333.8,     876.8,    1990.0,       0.0);         ( 393919.5,
3815312.6,     878.5,    1990.0,       0.0);
    ( 393930.4, 3815291.5,     883.1,    1990.0,       0.0);         ( 393941.4,
3815270.4,     894.2,    1989.0,       0.0);
    ( 393952.3, 3815249.3,     904.5,    1981.2,       0.0);         ( 393963.3,
3815228.2,     913.4,    1981.2,       0.0);
    ( 393974.2, 3815207.1,     923.8,    1939.6,       0.0);         ( 393985.2,
3815185.9,     933.4,    1939.6,       0.0);
    ( 393996.2, 3815164.8,     941.2,    1356.4,       0.0);         ( 394007.1,
3815143.7,     943.4,    1356.4,       0.0);
    ( 394018.1, 3815122.6,     939.8,    1939.6,       0.0);         ( 394052.2,
3815096.3,     936.9,    1939.6,       0.0);
    ( 394075.5, 3815091.1,     939.7,    1939.6,       0.0);         ( 394098.7,
3815086.0,     943.7,    1939.6,       0.0);
    ( 394121.9, 3815080.8,     948.5,    1356.4,       0.0);         ( 394145.1,
3815075.6,     955.5,    1356.4,       0.0);
    ( 394168.4, 3815070.5,     959.8,    1356.4,       0.0);         ( 394191.6,
3815065.3,     957.4,    1356.4,       0.0);
    ( 394214.8, 3815060.1,     955.4,    1356.4,       0.0);         ( 394238.0,
3815055.0,     953.2,    1356.4,       0.0);
    ( 394261.3, 3815049.8,     950.1,    1356.4,       0.0);         ( 394284.5,
3815044.6,     949.2,    1356.4,       0.0);
    ( 394307.7, 3815039.5,     950.9,    1356.4,       0.0);         ( 394330.9,
3815034.3,     952.7,    1356.4,       0.0);
    ( 394354.1, 3815029.1,     953.6,    1356.4,       0.0);         ( 394377.4,
3815024.0,     956.4,    1356.4,       0.0);
    ( 394400.6, 3815018.8,     958.3,    1356.4,       0.0);         ( 394423.8,
3815013.6,     957.6,    1356.4,       0.0);
    ( 394447.0, 3815008.5,     959.9,    1356.4,       0.0);         ( 394470.3,
3815003.3,     964.0,    1356.4,       0.0);
    ( 394493.5, 3814998.2,     965.0,    1356.4,       0.0);         ( 394516.7,
3814993.0,     963.8,    1356.4,       0.0);
    ( 394539.9, 3814987.8,     963.0,    1356.4,       0.0);         ( 394563.2,
3814982.7,     965.0,    1356.4,       0.0);
    ( 394586.4, 3814977.5,     967.4,    1356.4,       0.0);         ( 394609.6,
3814972.3,     966.0,    1356.4,       0.0);
    ( 394632.8, 3814967.2,     972.4,    1356.4,       0.0);         ( 394656.1,
3814962.0,     981.8,    1356.4,       0.0);
    ( 394679.3, 3814956.8,     988.1,    1356.4,       0.0);         ( 394702.5,
3814951.7,     983.5,    1356.4,       0.0);
    ( 394725.7, 3814946.5,     976.9,    1356.4,       0.0);         ( 394749.0,
3814941.3,     970.3,    1356.4,       0.0);
    ( 394772.2, 3814936.2,     963.2,    1356.4,       0.0);         ( 394795.4,
3814931.0,     960.4,    1356.4,       0.0);
    ( 394818.6, 3814925.8,     963.8,    1356.4,       0.0);         ( 394841.8,
3814920.7,     964.6,    1356.4,       0.0);
    ( 394865.1, 3814915.5,     961.6,    1356.4,       0.0);         ( 394888.3,
3814910.3,     960.7,    1356.4,       0.0);
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     ( 394958.0, 3814894.8,     969.7,    1356.4,       0.0);         ( 394981.2,
3814889.7,     972.0,    1356.4,       0.0);
     ( 395004.4, 3814884.5,     975.8,    1356.4,       0.0);         ( 395027.6,
3814879.3,     978.1,    1356.4,       0.0);
     ( 395050.9, 3814874.2,     979.4,    1356.4,       0.0);         ( 395074.1,
3814869.0,     984.9,    1356.4,       0.0);
     ( 395097.3, 3814863.9,     994.2,    1356.4,       0.0);         ( 395120.5,
3814858.7,    1004.1,    1356.4,       0.0);
     ( 393503.2, 3816115.2,     881.9,    1440.1,       0.0);         ( 393502.2,
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     ( 393501.1, 3816163.6,     882.5,    1440.1,       0.0);         ( 393500.1,
3816187.8,     883.5,    1440.1,       0.0);
     ( 393499.1, 3816212.0,     884.4,    1440.1,       0.0);         ( 393498.1,
3816236.2,     885.2,    1440.1,       0.0);
     ( 393497.1, 3816260.4,     886.0,    1440.1,       0.0);         ( 393264.5,
3816083.2,     880.4,    1440.1,       0.0);
     ( 393275.6, 3816061.8,     880.4,    1440.1,       0.0);         ( 393286.8,
3816040.3,     879.6,    1440.1,       0.0);
     ( 393297.9, 3816018.9,     878.6,    1440.1,       0.0);         ( 393309.0,
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     ( 393320.2, 3815976.0,     876.7,    1939.6,       0.0);         ( 393331.3,
3815954.5,     875.8,    1939.6,       0.0);
     ( 393342.4, 3815933.1,     874.2,    1939.6,       0.0);         ( 393353.5,
3815911.6,     873.7,    1939.6,       0.0);
     ( 393364.7, 3815890.2,     874.8,    1939.6,       0.0);         ( 393375.8,
3815868.7,     875.7,    1939.6,       0.0);
     ( 393386.9, 3815847.2,     876.0,    1939.6,       0.0);         ( 393398.1,
3815825.8,     875.8,    1939.6,       0.0);
     ( 393409.2, 3815804.3,     874.8,    1939.6,       0.0);         ( 393420.3,
3815782.9,     874.6,    1939.6,       0.0);
     ( 393431.5, 3815761.4,     875.7,    1939.6,       0.0);         ( 393442.6,
3815740.0,     875.4,    1981.2,       0.0);
     ( 393453.7, 3815718.5,     875.2,    1981.2,       0.0);         ( 393464.8,
3815697.1,     876.5,    1981.2,       0.0);
     ( 393476.0, 3815675.6,     876.8,    1981.2,       0.0);         ( 393487.1,
3815654.2,     877.2,    1981.2,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                          ***       09:14:47

                                    PAGE 217
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                      *** DISCRETE CARTESIAN RECEPTORS ***
                                    (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)
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```
    ( 393498.2, 3815632.7,     876.8,    1981.2,       0.0);         ( 393509.4,
3815611.3,     876.1,    1981.2,       0.0);
    ( 393520.5, 3815589.8,     875.0,    1981.2,       0.0);         ( 393531.6,
3815568.4,     873.6,    1989.0,       0.0);
    ( 393542.8, 3815546.9,     873.1,    1990.0,       0.0);         ( 393553.9,
3815525.4,     873.2,    1990.0,       0.0);
    ( 393565.0, 3815504.0,     873.3,    1990.0,       0.0);         ( 393576.1,
3815482.5,     872.7,    1990.0,       0.0);
    ( 393587.3, 3815461.1,     872.7,    1990.0,       0.0);         ( 393598.4,
3815439.6,     872.7,    1990.0,       0.0);
    ( 393609.5, 3815418.2,     872.5,    1990.0,       0.0);         ( 393620.6,
3815396.7,     872.6,    1990.0,       0.0);
    ( 393631.8, 3815375.3,     872.7,    1990.0,       0.0);         ( 393642.9,
3815353.8,     872.6,    1990.0,       0.0);
    ( 393654.0, 3815332.4,     872.6,    1990.0,       0.0);         ( 393665.2,
3815310.9,     872.6,    1990.0,       0.0);
    ( 393676.3, 3815289.5,     872.9,    1990.0,       0.0);         ( 393687.4,
3815268.0,     875.3,    1990.0,       0.0);
    ( 393698.6, 3815246.5,     881.0,    1990.0,       0.0);         ( 393709.7,
3815225.1,     884.5,    1990.0,       0.0);
    ( 393720.8, 3815203.6,     885.5,    1990.0,       0.0);         ( 393731.9,
3815182.2,     887.1,    1990.0,       0.0);
    ( 393743.1, 3815160.7,     888.4,    1990.0,       0.0);         ( 393754.2,
3815139.3,     888.9,    1990.0,       0.0);
    ( 393765.3, 3815117.8,     889.0,    1990.0,       0.0);         ( 393776.5,
3815096.4,     888.3,    1990.0,       0.0);
    ( 393787.6, 3815074.9,     887.2,    1990.0,       0.0);         ( 393798.7,
3815053.5,     890.3,    1990.0,       0.0);
    ( 393809.8, 3815032.0,     892.2,    1990.0,       0.0);         ( 393821.0,
3815010.6,     893.4,    1990.0,       0.0);
    ( 393832.1, 3814989.1,     894.8,    1990.0,       0.0);         ( 393843.2,
3814967.6,     895.6,    1990.0,       0.0);
    ( 393854.4, 3814946.2,     896.8,    1990.0,       0.0);         ( 393865.5,
3814924.7,     899.4,    1990.0,       0.0);
    ( 393900.2, 3814898.0,     905.4,    1990.0,       0.0);         ( 393923.8,
3814892.8,     908.8,    1990.0,       0.0);
    ( 393947.4, 3814887.5,     909.8,    1990.0,       0.0);         ( 393971.0,
3814882.3,     912.1,    1990.0,       0.0);
    ( 393994.6, 3814877.0,     913.1,    1990.0,       0.0);         ( 394018.2,
3814871.8,     916.3,    1990.0,       0.0);
    ( 394041.8, 3814866.6,     927.3,    1990.0,       0.0);         ( 394065.4,
3814861.3,     935.8,    1981.2,       0.0);
    ( 394089.0, 3814856.1,     943.2,    1981.2,       0.0);         ( 394112.5,
3814850.8,     952.4,    1939.6,       0.0);
    ( 394136.1, 3814845.6,     959.5,    1939.6,       0.0);         ( 394159.7,
3814840.3,     967.2,    1356.4,       0.0);
    ( 394183.3, 3814835.1,     974.9,    1356.4,       0.0);         ( 394206.9,
3814829.8,     983.3,    1356.4,       0.0);
    ( 394230.5, 3814824.6,     990.7,    1356.4,       0.0);         ( 394254.1,
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     ( 394277.7, 3814814.1,    1000.6,    1356.4,       0.0);         ( 394301.3,
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     ( 394324.9, 3814803.6,    1018.8,    1356.4,       0.0);         ( 394348.5,
3814798.3,    1029.8,    1356.4,       0.0);
     ( 394372.1, 3814793.1,    1039.0,    1356.4,       0.0);         ( 394395.6,
3814787.8,    1033.3,    1356.4,       0.0);
     ( 394419.2, 3814782.6,    1025.4,    1356.4,       0.0);         ( 394442.8,
3814777.3,    1022.4,    1356.4,       0.0);
     ( 394466.4, 3814772.1,    1019.6,    1356.4,       0.0);         ( 394490.0,
3814766.9,    1017.0,    1356.4,       0.0);
     ( 394513.6, 3814761.6,    1013.6,    1356.4,       0.0);         ( 394537.2,
3814756.4,    1010.4,    1356.4,       0.0);
     ( 394560.8, 3814751.1,    1008.8,    1356.4,       0.0);         ( 394584.4,
3814745.9,    1011.1,    1356.4,       0.0);
     ( 394608.0, 3814740.6,    1017.8,    1356.4,       0.0);         ( 394631.6,
3814735.4,    1020.4,    1356.4,       0.0);
     ( 394655.2, 3814730.1,    1019.3,    1356.4,       0.0);         ( 394678.8,
3814724.9,    1025.3,    1356.4,       0.0);
     ( 394702.3, 3814719.6,    1027.7,    1356.4,       0.0);         ( 394725.9,
3814714.4,    1032.4,    1356.4,       0.0);
     ( 394749.5, 3814709.1,    1038.6,    1356.4,       0.0);         ( 394773.1,
3814703.9,    1042.5,    1356.4,       0.0);
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     ( 394891.1, 3814677.6,    1039.9,    1356.4,       0.0);         ( 394914.7,
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     ( 394938.3, 3814667.1,    1030.5,    1356.4,       0.0);         ( 394961.9,
3814661.9,    1031.2,    1356.4,       0.0);
     ( 394985.5, 3814656.7,    1037.0,    1356.4,       0.0);         ( 395009.0,
3814651.4,    1044.9,    1356.4,       0.0);
     ( 395032.6, 3814646.2,    1052.8,    1356.4,       0.0);         ( 395056.2,
3814640.9,    1058.9,    1356.4,       0.0);
     ( 395079.8, 3814635.7,    1060.4,    1356.4,       0.0);         ( 395103.4,
3814630.4,    1067.5,    1356.4,       0.0);
     ( 395127.0, 3814625.2,    1076.5,    1356.4,       0.0);         ( 395150.6,
3814619.9,    1085.8,    1356.4,       0.0);
     ( 395174.2, 3814614.7,    1089.3,    1356.4,       0.0);         ( 393253.4,
3816104.7,     880.3,    1440.1,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

(METERS)

(393252.4, 3816128.9, 882.7, 1440.1, 0.0); (393251.4, 3816153.1, 883.8, 1440.1, 0.0);
(393250.3, 3816177.3, 884.6, 1440.1, 0.0); (393249.3, 3816201.5, 885.3, 1440.1, 0.0);
(393248.3, 3816225.7, 886.3, 1440.1, 0.0); (393247.3, 3816249.9, 887.2, 1440.1, 0.0);
(393014.7, 3816072.9, 878.3, 1440.1, 0.0); (393025.8, 3816051.5, 876.1, 1937.2, 0.0);
(393036.9, 3816030.1, 874.6, 1939.6, 0.0); (393048.0, 3816008.8, 874.0, 1939.6, 0.0);
(393059.0, 3815987.4, 873.3, 1939.6, 0.0); (393070.1, 3815966.0, 874.7, 1939.6, 0.0);
(393081.2, 3815944.6, 876.4, 1939.6, 0.0); (393092.3, 3815923.3, 875.9, 1939.6, 0.0);
(393103.4, 3815901.9, 875.0, 1939.6, 0.0); (393114.5, 3815880.5, 874.3, 1939.6, 0.0);
(393125.6, 3815859.2, 873.8, 1939.6, 0.0); (393136.6, 3815837.8, 873.0, 1958.8, 0.0);
(393147.7, 3815816.4, 872.0, 1981.2, 0.0); (393158.8, 3815795.0, 871.0, 1981.2, 0.0);
(393169.9, 3815773.7, 870.5, 1981.2, 0.0); (393181.0, 3815752.3, 869.8, 1981.2, 0.0);
(393192.1, 3815730.9, 868.2, 1981.2, 0.0); (393203.2, 3815709.6, 867.1, 1981.2, 0.0);
(393214.2, 3815688.2, 867.1, 1987.3, 0.0); (393225.3, 3815666.8, 867.1, 1989.0, 0.0);
(393236.4, 3815645.4, 869.0, 1989.0, 0.0); (393247.5, 3815624.1, 870.5, 1990.0, 0.0);
(393258.6, 3815602.7, 871.5, 1990.0, 0.0); (393269.7, 3815581.3, 871.5, 1990.0, 0.0);
(393280.8, 3815560.0, 871.7, 1990.0, 0.0); (393291.8, 3815538.6, 872.2, 1990.0, 0.0);
(393302.9, 3815517.2, 871.8, 1990.0, 0.0); (393314.0, 3815495.8, 871.4, 1990.0, 0.0);
(393325.1, 3815474.5, 871.1, 1990.0, 0.0); (393336.2, 3815453.1, 871.0, 1990.0, 0.0);
(393347.3, 3815431.7, 871.0, 1990.0, 0.0); (393358.4, 3815410.4, 871.0, 1990.0, 0.0);
(393369.5, 3815389.0, 870.9, 1990.0, 0.0); (393380.5, 3815367.6, 870.8, 1990.0, 0.0);
(393391.6, 3815346.2, 870.4, 1990.0, 0.0); (393402.7, 3815324.9, 869.8, 1990.0, 0.0);
(393413.8, 3815303.5, 869.3, 1990.0, 0.0); (393424.9, 3815282.1, 868.7, 1990.0, 0.0);
(393436.0, 3815260.8, 868.5, 1990.0, 0.0); (393447.1, 3815239.4, 868.4, 1990.0, 0.0);
(393458.1, 3815218.0, 868.6, 1990.0, 0.0); (393469.2, 3815196.6, 868.6, 1990.0, 0.0);

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     ( 393480.3, 3815175.3,     868.5,    1990.0,       0.0);         ( 393491.4,
3815153.9,     870.5,    1990.0,       0.0);
     ( 393502.5, 3815132.5,     871.6,    1990.0,       0.0);         ( 393513.6,
3815111.2,     871.5,    1990.0,       0.0);
     ( 393524.7, 3815089.8,     871.3,    1990.0,       0.0);         ( 393535.8,
3815068.4,     871.8,    1990.0,       0.0);
     ( 393546.8, 3815047.0,     872.6,    1990.0,       0.0);         ( 393557.9,
3815025.7,     873.6,    1990.0,       0.0);
     ( 393569.0, 3815004.3,     874.2,    1990.0,       0.0);         ( 393580.1,
3814982.9,     874.3,    1990.0,       0.0);
     ( 393591.2, 3814961.6,     874.9,    1990.0,       0.0);         ( 393602.3,
3814940.2,     875.7,    1990.0,       0.0);
     ( 393613.4, 3814918.8,     875.5,    1990.0,       0.0);         ( 393624.5,
3814897.4,     871.7,    1990.0,       0.0);
     ( 393635.5, 3814876.1,     872.5,    1990.0,       0.0);         ( 393646.6,
3814854.7,     874.8,    1990.0,       0.0);
     ( 393657.7, 3814833.3,     876.5,    1990.0,       0.0);         ( 393668.8,
3814812.0,     883.5,    1990.0,       0.0);
     ( 393679.9, 3814790.6,     890.4,    1990.0,       0.0);         ( 393691.0,
3814769.2,     895.1,    1990.0,       0.0);
     ( 393702.0, 3814747.9,     902.4,    1990.0,       0.0);         ( 393713.1,
3814726.5,     910.0,    1990.0,       0.0);
     ( 393747.7, 3814699.9,     920.9,    1990.0,       0.0);         ( 393771.2,
3814694.7,     919.7,    1990.0,       0.0);
     ( 393794.7, 3814689.4,     912.7,    1990.0,       0.0);         ( 393818.2,
3814684.2,     906.3,    1990.0,       0.0);
     ( 393841.7, 3814679.0,     905.3,    1990.0,       0.0);         ( 393865.2,
3814673.8,     906.6,    1990.0,       0.0);
     ( 393888.7, 3814668.5,     912.3,    1990.0,       0.0);         ( 393912.2,
3814663.3,     919.2,    1990.0,       0.0);
     ( 393935.7, 3814658.1,     917.0,    1990.0,       0.0);         ( 393959.2,
3814652.8,     919.2,    1990.0,       0.0);
     ( 393982.7, 3814647.6,     919.9,    1990.0,       0.0);         ( 394006.2,
3814642.4,     920.0,    1990.0,       0.0);
     ( 394029.7, 3814637.2,     922.4,    1990.0,       0.0);         ( 394053.2,
3814631.9,     926.7,    1990.0,       0.0);
     ( 394076.7, 3814626.7,     930.6,    1990.0,       0.0);         ( 394100.2,
3814621.5,     931.4,    1990.0,       0.0);
     ( 394123.8, 3814616.2,     930.1,    1990.0,       0.0);         ( 394147.2,
3814611.0,     930.6,    1990.0,       0.0);
     ( 394170.8, 3814605.8,     939.2,    1990.0,       0.0);         ( 394194.2,
3814600.6,     949.4,    1990.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(394217.8, 3814595.3, 959.9, 1981.2, 0.0); (394241.2, 3814590.1, 969.1, 1981.2, 0.0);
(394264.8, 3814584.9, 978.1, 1939.6, 0.0); (394288.2, 3814579.7, 975.7, 1939.6, 0.0);
(394311.8, 3814574.4, 969.3, 1981.2, 0.0); (394335.3, 3814569.2, 961.5, 1981.2, 0.0);
(394358.8, 3814564.0, 960.1, 1981.2, 0.0); (394382.3, 3814558.8, 961.4, 1981.2, 0.0);
(394405.8, 3814553.5, 960.2, 1981.2, 0.0); (394429.3, 3814548.3, 959.1, 1981.2, 0.0);
(394452.8, 3814543.1, 960.6, 1981.2, 0.0); (394476.3, 3814537.8, 963.6, 1981.2, 0.0);
(394499.8, 3814532.6, 970.6, 1939.6, 0.0); (394523.3, 3814527.4, 974.5, 1939.6, 0.0);
(394546.8, 3814522.2, 975.6, 1939.6, 0.0); (394570.3, 3814516.9, 977.5, 1939.6, 0.0);
(394593.8, 3814511.7, 983.4, 1356.4, 0.0); (394617.3, 3814506.5, 988.9, 1356.4, 0.0);
(394640.8, 3814501.2, 995.9, 1356.4, 0.0); (394664.3, 3814496.0, 1004.3, 1356.4, 0.0);
(394687.8, 3814490.8, 1012.3, 1356.4, 0.0); (394711.3, 3814485.6, 1019.2, 1356.4, 0.0);
(394734.8, 3814480.3, 1025.7, 1356.4, 0.0); (394758.3, 3814475.1, 1032.5, 1356.4, 0.0);
(394781.8, 3814469.9, 1038.2, 1356.4, 0.0); (394805.3, 3814464.7, 1041.4, 1356.4, 0.0);
(394828.8, 3814459.4, 1043.8, 1356.4, 0.0); (394852.3, 3814454.2, 1041.1, 1356.4, 0.0);
(394875.8, 3814449.0, 1042.2, 1356.4, 0.0); (394899.3, 3814443.8, 1046.3, 1356.4, 0.0);
(394922.8, 3814438.5, 1052.1, 1356.4, 0.0); (394946.3, 3814433.3, 1060.0, 1356.4, 0.0);
(394969.8, 3814428.1, 1069.6, 1356.4, 0.0); (394993.3, 3814422.8, 1080.1, 1356.4, 0.0);
(395016.8, 3814417.6, 1090.9, 1356.4, 0.0); (395040.3, 3814412.4, 1101.6, 1356.4, 0.0);
(395063.8, 3814407.2, 1112.0, 1356.4, 0.0); (395087.3, 3814401.9, 1121.1, 1356.4, 0.0);
(395110.8, 3814396.7, 1129.5, 1356.4, 0.0); (395134.3, 3814391.5, 1140.6, 1356.4, 0.0);
(395157.8, 3814386.2, 1153.2, 1356.4, 0.0); (395181.3, 3814381.0, 1165.5, 1356.4, 0.0);
(395204.8, 3814375.8, 1181.0, 1356.4, 0.0); (395228.3, 3814370.6, 1194.0, 1320.1, 0.0);
(393003.6, 3816094.2, 878.4, 1440.1, 0.0); (393002.6, 3816118.4, 879.5, 1440.1, 0.0);

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     ( 393001.6, 3816142.7,     880.9,    1440.1,       0.0);         ( 393000.6,
3816166.9,     881.9,    1440.1,       0.0);
     ( 392999.6, 3816191.1,     883.0,    1440.1,       0.0);         ( 392998.5,
3816215.3,     883.9,    1440.1,       0.0);
     ( 392997.5, 3816239.5,     884.7,    1440.1,       0.0);         ( 392515.1,
3816052.1,     885.9,    1440.1,       0.0);
     ( 392526.1, 3816030.8,     883.5,    1939.6,       0.0);         ( 392537.1,
3816009.5,     881.3,    1939.6,       0.0);
     ( 392548.2, 3815988.3,     879.0,    1939.6,       0.0);         ( 392559.2,
3815967.0,     877.2,    1939.6,       0.0);
     ( 392570.2, 3815945.8,     875.3,    1939.6,       0.0);         ( 392581.2,
3815924.5,     873.8,    1939.6,       0.0);
     ( 392592.3, 3815903.2,     872.2,    1981.2,       0.0);         ( 392603.3,
3815882.0,     870.7,    1981.2,       0.0);
     ( 392614.3, 3815860.7,     869.3,    1981.2,       0.0);         ( 392625.4,
3815839.5,     868.4,    1981.2,       0.0);
     ( 392636.4, 3815818.2,     867.5,    1981.2,       0.0);         ( 392647.4,
3815796.9,     866.8,    1981.2,       0.0);
     ( 392658.5, 3815775.7,     866.0,    1982.9,       0.0);         ( 392669.5,
3815754.4,     865.0,    1989.0,       0.0);
     ( 392680.5, 3815733.2,     863.8,    1990.0,       0.0);         ( 392691.5,
3815711.9,     864.0,    1990.0,       0.0);
     ( 392702.6, 3815690.6,     864.3,    1990.0,       0.0);         ( 392713.6,
3815669.4,     864.0,    1990.0,       0.0);
     ( 392724.6, 3815648.1,     863.4,    1990.0,       0.0);         ( 392735.6,
3815626.9,     862.5,    1990.0,       0.0);
     ( 392746.7, 3815605.6,     861.8,    1990.0,       0.0);         ( 392757.7,
3815584.3,     860.5,    1990.0,       0.0);
     ( 392768.7, 3815563.1,     859.3,    1990.0,       0.0);         ( 392779.8,
3815541.8,     859.7,    1990.0,       0.0);
     ( 392790.8, 3815520.6,     860.7,    1990.0,       0.0);         ( 392801.8,
3815499.3,     861.0,    1990.0,       0.0);
     ( 392812.8, 3815478.0,     860.3,    1990.0,       0.0);         ( 392823.9,
3815456.8,     859.3,    1990.0,       0.0);
     ( 392834.9, 3815435.5,     858.8,    1990.0,       0.0);         ( 392845.9,
3815414.3,     858.6,    1990.0,       0.0);
     ( 392857.0, 3815393.0,     858.5,    1990.0,       0.0);         ( 392868.0,
3815371.8,     858.4,    1990.0,       0.0);
     ( 392879.0, 3815350.5,     858.6,    1990.0,       0.0);         ( 392890.0,
3815329.2,     858.7,    1990.0,       0.0);
     ( 392901.1, 3815308.0,     859.0,    1990.0,       0.0);         ( 392912.1,
3815286.7,     859.3,    1990.0,       0.0);
     ( 392923.1, 3815265.5,     859.4,    1990.0,       0.0);         ( 392934.2,
3815244.2,     859.8,    1990.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                       ***       09:14:47
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(392945.2, 3815222.9, 860.3, 1990.0, 0.0); (392956.2, 3815201.7, 860.4, 1990.0, 0.0);
(392967.2, 3815180.4, 860.2, 1990.0, 0.0); (392978.3, 3815159.2, 860.7, 1990.0, 0.0);
(392989.3, 3815137.9, 861.0, 1990.0, 0.0); (393000.3, 3815116.6, 861.4, 1990.0, 0.0);
(393011.4, 3815095.4, 861.1, 1990.0, 0.0); (393022.4, 3815074.1, 861.2, 1990.0, 0.0);
(393033.4, 3815052.9, 861.3, 1990.0, 0.0); (393044.5, 3815031.6, 861.6, 1990.0, 0.0);
(393055.5, 3815010.3, 861.4, 1990.0, 0.0); (393066.5, 3814989.1, 861.5, 1990.0, 0.0);
(393077.5, 3814967.8, 859.9, 1990.0, 0.0); (393088.6, 3814946.6, 860.8, 1990.0, 0.0);
(393099.6, 3814925.3, 862.9, 1990.0, 0.0); (393110.6, 3814904.0, 864.4, 1990.0, 0.0);
(393121.6, 3814882.8, 869.1, 1990.0, 0.0); (393132.7, 3814861.5, 876.5, 1990.0, 0.0);
(393143.7, 3814840.3, 886.4, 1990.0, 0.0); (393154.7, 3814819.0, 899.6, 1990.0, 0.0);
(393165.8, 3814797.7, 912.6, 1990.0, 0.0); (393176.8, 3814776.5, 925.9, 1990.0, 0.0);
(393187.8, 3814755.2, 936.7, 1990.0, 0.0); (393198.8, 3814734.0, 942.5, 1990.0, 0.0);
(393209.9, 3814712.7, 943.3, 1990.0, 0.0); (393220.9, 3814691.4, 942.6, 1990.0, 0.0);
(393231.9, 3814670.2, 940.5, 1990.0, 0.0); (393243.0, 3814648.9, 936.2, 1990.0, 0.0);
(393254.0, 3814627.7, 929.4, 1990.0, 0.0); (393265.0, 3814606.4, 922.0, 1990.0, 0.0);
(393276.0, 3814585.1, 913.8, 1990.0, 0.0); (393287.1, 3814563.9, 905.6, 1990.0, 0.0);
(393298.1, 3814542.6, 897.6, 1990.0, 0.0); (393309.1, 3814521.4, 888.7, 1990.0, 0.0);
(393320.2, 3814500.1, 882.6, 1990.0, 0.0); (393331.2, 3814478.8, 879.8, 1990.0, 0.0);
(393342.2, 3814457.6, 874.5, 1990.0, 0.0); (393353.2, 3814436.3, 871.1, 1990.0, 0.0);
(393364.3, 3814415.1, 873.3, 1990.0, 0.0); (393375.3, 3814393.8, 873.5, 1990.0, 0.0);
(393386.3, 3814372.5, 875.2, 1990.0, 0.0); (393397.4, 3814351.3, 880.0, 1990.0, 0.0);
(393408.4, 3814330.0, 880.5, 1990.0, 0.0); (393442.8, 3814303.6, 875.2, 1990.0, 0.0);

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     ( 393466.2, 3814298.4,     873.9,    1990.0,       0.0);         ( 393489.6,
3814293.2,     873.5,    1990.0,       0.0);
     ( 393512.9, 3814288.0,     873.6,    1990.0,       0.0);         ( 393536.3,
3814282.8,     873.8,    1990.0,       0.0);
     ( 393559.7, 3814277.6,     873.5,    1990.0,       0.0);         ( 393583.1,
3814272.4,     872.9,    1990.0,       0.0);
     ( 393606.5, 3814267.2,     873.7,    1990.0,       0.0);         ( 393629.8,
3814262.0,     875.0,    1990.0,       0.0);
     ( 393653.2, 3814256.8,     876.2,    1990.0,       0.0);         ( 393676.6,
3814251.6,     877.1,    1990.0,       0.0);
     ( 393700.0, 3814246.4,     880.1,    1990.0,       0.0);         ( 393723.3,
3814241.2,     884.8,    1990.0,       0.0);
     ( 393746.7, 3814236.0,     885.7,    1990.0,       0.0);         ( 393770.1,
3814230.8,     888.6,    1990.0,       0.0);
     ( 393793.5, 3814225.6,     891.2,    1990.0,       0.0);         ( 393816.9,
3814220.4,     893.2,    1990.0,       0.0);
     ( 393840.2, 3814215.2,     895.1,    1990.0,       0.0);         ( 393863.6,
3814210.0,     897.6,    1990.0,       0.0);
     ( 393887.0, 3814204.8,     900.3,    1990.0,       0.0);         ( 393910.4,
3814199.6,     903.2,    1990.0,       0.0);
     ( 393933.8, 3814194.4,     906.0,    1990.0,       0.0);         ( 393957.1,
3814189.2,     910.2,    1990.0,       0.0);
     ( 393980.5, 3814184.0,     916.0,    1990.0,       0.0);         ( 394003.9,
3814178.8,     918.2,    1990.0,       0.0);
     ( 394027.3, 3814173.6,     918.6,    1990.0,       0.0);         ( 394050.6,
3814168.4,     919.8,    1990.0,       0.0);
     ( 394074.0, 3814163.2,     923.2,    1990.0,       0.0);         ( 394097.4,
3814158.0,     928.1,    1990.0,       0.0);
     ( 394120.8, 3814152.8,     934.2,    1990.0,       0.0);         ( 394144.2,
3814147.6,     942.7,    1990.0,       0.0);
     ( 394167.5, 3814142.4,     951.2,    1990.0,       0.0);         ( 394190.9,
3814137.2,     956.7,    1990.0,       0.0);
     ( 394214.3, 3814132.0,     958.0,    1990.0,       0.0);         ( 394237.7,
3814126.8,     956.4,    1990.0,       0.0);
     ( 394261.1, 3814121.6,     963.3,    1990.0,       0.0);         ( 394284.4,
3814116.4,     966.9,    1990.0,       0.0);
     ( 394307.8, 3814111.2,     973.8,    1990.0,       0.0);         ( 394331.2,
3814106.0,     983.2,    1990.0,       0.0);
     ( 394354.6, 3814100.8,     991.1,    1990.0,       0.0);         ( 394378.0,
3814095.6,     995.3,    1990.0,       0.0);
     ( 394401.3, 3814090.4,     998.3,    1989.0,       0.0);         ( 394424.7,
3814085.2,     999.3,    1982.9,       0.0);
     ( 394448.1, 3814080.0,     991.8,    1990.0,       0.0);         ( 394471.5,
3814074.8,     980.8,    1990.0,       0.0);
     ( 394494.8, 3814069.6,     972.9,    1990.0,       0.0);         ( 394518.2,
3814064.4,     964.2,    1990.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                         ***       09:14:47
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394541.6, 3814059.2, 969.5, 1990.0, 0.0); (394565.0, 3814054.0, 975.8, 1990.0, 0.0);
(394588.4, 3814048.8, 982.0, 1990.0, 0.0); (394611.7, 3814043.6, 987.2, 1990.0, 0.0);
(394635.1, 3814038.4, 992.0, 1990.0, 0.0); (394658.5, 3814033.2, 999.8, 1981.2, 0.0);
(394681.9, 3814028.0, 1008.1, 1981.2, 0.0); (394705.3, 3814022.8, 1014.3, 1939.6, 0.0);
(394728.6, 3814017.6, 1020.6, 1939.6, 0.0); (394752.0, 3814012.4, 1030.6, 1356.4, 0.0);
(394775.4, 3814007.2, 1041.5, 1356.4, 0.0); (394798.8, 3814002.0, 1050.0, 1356.4, 0.0);
(394822.1, 3813996.8, 1048.5, 1356.4, 0.0); (394845.5, 3813991.6, 1047.5, 1356.4, 0.0);
(394868.9, 3813986.4, 1045.8, 1356.4, 0.0); (394892.3, 3813981.2, 1050.9, 1356.4, 0.0);
(394915.7, 3813976.0, 1053.9, 1356.4, 0.0); (394939.0, 3813970.8, 1048.5, 1356.4, 0.0);
(394962.4, 3813965.6, 1037.8, 1356.4, 0.0); (394985.8, 3813960.4, 1029.1, 1356.4, 0.0);
(395009.2, 3813955.2, 1026.8, 1356.4, 0.0); (395032.6, 3813950.0, 1030.6, 1356.4, 0.0);
(395055.9, 3813944.8, 1036.6, 1356.4, 0.0); (395079.3, 3813939.6, 1039.7, 1356.4, 0.0);
(395102.7, 3813934.4, 1036.1, 1356.4, 0.0); (395126.1, 3813929.2, 1031.3, 1356.4, 0.0);
(395149.5, 3813924.0, 1032.2, 1356.4, 0.0); (395172.8, 3813918.8, 1033.7, 1356.4, 0.0);
(395196.2, 3813913.6, 1034.6, 1356.4, 0.0); (395219.6, 3813908.4, 1033.7, 1356.4, 0.0);
(395243.0, 3813903.2, 1032.0, 1356.4, 0.0); (395266.3, 3813898.0, 1032.9, 1356.4, 0.0);
(395289.7, 3813892.8, 1037.3, 1356.4, 0.0); (395313.1, 3813887.6, 1037.1, 1356.4, 0.0);
(392504.0, 3816073.3, 888.6, 1440.1, 0.0); (392503.0, 3816097.5, 890.7, 1440.1, 0.0);
(392502.0, 3816121.7, 892.5, 1440.1, 0.0); (392501.0, 3816145.9, 894.1, 1440.1, 0.0);
(392500.0, 3816170.2, 895.6, 1440.1, 0.0); (392499.0, 3816194.4, 897.1, 1440.1, 0.0);
(392498.0, 3816218.6, 898.5, 1440.1, 0.0); (392015.6, 3816031.0, 942.6, 1037.1, 0.0);

```
     ( 392026.7, 3816009.6,     935.8,    1037.1,       0.0);         ( 392037.8,
3815988.2,     929.9,    1037.1,       0.0);
     ( 392048.9, 3815966.8,     926.2,    1037.1,       0.0);         ( 392060.0,
3815945.4,     922.4,    1037.1,       0.0);
     ( 392071.1, 3815924.0,     918.3,    1037.1,       0.0);         ( 392082.2,
3815902.6,     914.2,    1037.1,       0.0);
     ( 392093.3, 3815881.2,     910.0,    1438.8,       0.0);         ( 392104.4,
3815859.8,     906.2,    1939.6,       0.0);
     ( 392115.5, 3815838.4,     902.8,    1939.6,       0.0);         ( 392126.6,
3815817.0,     900.1,    1939.6,       0.0);
     ( 392137.7, 3815795.6,     897.6,    1939.6,       0.0);         ( 392148.8,
3815774.2,     896.1,    1939.6,       0.0);
     ( 392159.9, 3815752.8,     893.2,    1958.8,       0.0);         ( 392171.0,
3815731.4,     890.5,    1981.2,       0.0);
     ( 392182.1, 3815710.0,     888.0,    1981.2,       0.0);         ( 392193.2,
3815688.6,     886.2,    1981.2,       0.0);
     ( 392204.3, 3815667.2,     883.7,    1981.2,       0.0);         ( 392215.4,
3815645.8,     880.1,    1987.3,       0.0);
     ( 392226.5, 3815624.4,     878.3,    1990.0,       0.0);         ( 392237.6,
3815603.0,     875.5,    1990.0,       0.0);
     ( 392248.7, 3815581.6,     873.1,    1990.0,       0.0);         ( 392259.8,
3815560.2,     870.9,    1990.0,       0.0);
     ( 392270.9, 3815538.8,     867.3,    1990.0,       0.0);         ( 392282.0,
3815517.4,     865.0,    1990.0,       0.0);
     ( 392293.1, 3815496.0,     864.6,    1990.0,       0.0);         ( 392304.2,
3815474.6,     864.3,    1990.0,       0.0);
     ( 392315.3, 3815453.2,     862.3,    1990.0,       0.0);         ( 392326.4,
3815431.8,     859.9,    1990.0,       0.0);
     ( 392337.5, 3815410.4,     857.7,    1990.0,       0.0);         ( 392348.6,
3815389.0,     856.2,    1990.0,       0.0);
     ( 392359.7, 3815367.6,     854.4,    1990.0,       0.0);         ( 392370.8,
3815346.2,     853.7,    1990.0,       0.0);
     ( 392381.9, 3815324.8,     853.6,    1990.0,       0.0);         ( 392393.0,
3815303.4,     853.6,    1990.0,       0.0);
     ( 392404.1, 3815282.0,     853.9,    1990.0,       0.0);         ( 392415.2,
3815260.6,     853.7,    1990.0,       0.0);
     ( 392426.3, 3815239.2,     853.5,    1990.0,       0.0);         ( 392437.4,
3815217.8,     853.6,    1990.0,       0.0);
     ( 392448.5, 3815196.4,     853.9,    1990.0,       0.0);         ( 392459.6,
3815175.0,     854.1,    1990.0,       0.0);
     ( 392470.7, 3815153.6,     854.2,    1990.0,       0.0);         ( 392481.8,
3815132.2,     854.1,    1990.0,       0.0);
     ( 392492.9, 3815110.8,     854.3,    1990.0,       0.0);         ( 392504.0,
3815089.4,     854.8,    1990.0,       0.0);
     ( 392515.1, 3815068.0,     855.0,    1990.0,       0.0);         ( 392526.2,
3815046.6,     855.3,    1990.0,       0.0);
     ( 392537.3, 3815025.2,     855.5,    1990.0,       0.0);         ( 392548.5,
3815003.8,     855.8,    1990.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(392559.5, 3814982.4, 856.1, 1990.0, 0.0); (392570.6, 3814961.0, 856.4, 1990.0, 0.0);
(392581.8, 3814939.6, 856.3, 1990.0, 0.0); (392592.9, 3814918.2, 855.2, 1990.0, 0.0);
(392604.0, 3814896.8, 855.2, 1990.0, 0.0); (392615.1, 3814875.4, 855.5, 1990.0, 0.0);
(392626.2, 3814854.0, 856.0, 1990.0, 0.0); (392637.3, 3814832.6, 856.2, 1990.0, 0.0);
(392648.4, 3814811.2, 856.8, 1990.0, 0.0); (392659.5, 3814789.8, 858.1, 1990.0, 0.0);
(392670.6, 3814768.4, 859.3, 1990.0, 0.0); (392681.7, 3814747.0, 860.5, 1990.0, 0.0);
(392692.8, 3814725.6, 861.6, 1990.0, 0.0); (392703.9, 3814704.2, 862.6, 1990.0, 0.0);
(392715.0, 3814682.8, 863.7, 1990.0, 0.0); (392726.1, 3814661.4, 865.7, 1990.0, 0.0);
(392737.2, 3814640.0, 867.5, 1990.0, 0.0); (392748.3, 3814618.6, 868.7, 1990.0, 0.0);
(392759.4, 3814597.2, 869.8, 1990.0, 0.0); (392770.5, 3814575.8, 871.5, 1990.0, 0.0);
(392781.6, 3814554.4, 872.6, 1990.0, 0.0); (392792.7, 3814533.0, 872.9, 1990.0, 0.0);
(392803.8, 3814511.6, 874.0, 1990.0, 0.0); (392814.9, 3814490.2, 875.0, 1990.0, 0.0);
(392826.0, 3814468.8, 877.2, 1990.0, 0.0); (392837.1, 3814447.4, 879.6, 1990.0, 0.0);
(392848.2, 3814426.0, 882.1, 1990.0, 0.0); (392859.3, 3814404.6, 885.0, 1990.0, 0.0);
(392870.4, 3814383.2, 887.6, 1990.0, 0.0); (392881.5, 3814361.8, 890.6, 1990.0, 0.0);
(392892.6, 3814340.4, 892.7, 1990.0, 0.0); (392903.7, 3814319.0, 893.1, 1990.0, 0.0);
(392914.8, 3814297.6, 896.9, 1990.0, 0.0); (392925.9, 3814276.2, 900.2, 1990.0, 0.0);
(392937.0, 3814254.8, 903.1, 1990.0, 0.0); (392948.1, 3814233.4, 905.6, 1990.0, 0.0);
(392959.2, 3814212.0, 909.5, 1990.0, 0.0); (392970.3, 3814190.6, 912.7, 1990.0, 0.0);
(392981.4, 3814169.2, 914.0, 1990.0, 0.0); (392992.5, 3814147.8, 916.9, 1990.0, 0.0);

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    ( 393003.6, 3814126.4,     918.4,    1990.0,       0.0);         ( 393014.7,
3814105.0,     919.5,    1990.0,       0.0);
    ( 393025.8, 3814083.6,     923.8,    1990.0,       0.0);         ( 393036.9,
3814062.2,     927.7,    1990.0,       0.0);
    ( 393048.0, 3814040.8,     931.5,    1990.0,       0.0);         ( 393059.1,
3814019.4,     933.8,    1990.0,       0.0);
    ( 393070.2, 3813998.0,     932.0,    1990.0,       0.0);         ( 393081.3,
3813976.6,     927.3,    1990.0,       0.0);
    ( 393092.4, 3813955.2,     923.3,    1990.0,       0.0);         ( 393103.5,
3813933.8,     923.2,    1990.0,       0.0);
    ( 393138.1, 3813907.2,     933.1,    1990.0,       0.0);         ( 393161.7,
3813901.9,     933.0,    1990.0,       0.0);
    ( 393185.2, 3813896.7,     935.9,    1990.0,       0.0);         ( 393208.8,
3813891.5,     933.2,    1990.0,       0.0);
    ( 393232.3, 3813886.2,     932.8,    1990.0,       0.0);         ( 393255.8,
3813881.0,     937.5,    1990.0,       0.0);
    ( 393279.3, 3813875.8,     939.7,    1990.0,       0.0);         ( 393302.9,
3813870.5,     942.3,    1990.0,       0.0);
    ( 393326.4, 3813865.3,     946.6,    1990.0,       0.0);         ( 393350.0,
3813860.1,     947.9,    1990.0,       0.0);
    ( 393373.5, 3813854.8,     946.4,    1990.0,       0.0);         ( 393397.0,
3813849.6,     948.3,    1990.0,       0.0);
    ( 393420.5, 3813844.4,     946.9,    1990.0,       0.0);         ( 393444.1,
3813839.1,     943.0,    1990.0,       0.0);
    ( 393467.6, 3813833.9,     939.0,    1990.0,       0.0);         ( 393491.1,
3813828.7,     934.8,    1990.0,       0.0);
    ( 393514.7, 3813823.4,     929.3,    1990.0,       0.0);         ( 393538.2,
3813818.2,     924.6,    1990.0,       0.0);
    ( 393561.8, 3813813.0,     915.5,    1990.0,       0.0);         ( 393585.3,
3813807.7,     906.5,    1990.0,       0.0);
    ( 393608.8, 3813802.5,     901.8,    1990.0,       0.0);         ( 393632.3,
3813797.2,     896.9,    1990.0,       0.0);
    ( 393655.9, 3813792.0,     889.9,    1990.0,       0.0);         ( 393679.4,
3813786.8,     886.7,    1990.0,       0.0);
    ( 393703.0, 3813781.5,     882.7,    1990.0,       0.0);         ( 393726.5,
3813776.3,     883.8,    1990.0,       0.0);
    ( 393750.0, 3813771.1,     888.1,    1990.0,       0.0);         ( 393773.5,
3813765.8,     892.4,    1990.0,       0.0);
    ( 393797.1, 3813760.6,     893.9,    1990.0,       0.0);         ( 393820.6,
3813755.4,     895.0,    1990.0,       0.0);
    ( 393844.1, 3813750.1,     896.4,    1990.0,       0.0);         ( 393867.7,
3813744.9,     898.4,    1990.0,       0.0);
    ( 393891.2, 3813739.7,     900.9,    1990.0,       0.0);         ( 393914.7,
3813734.4,     904.0,    1990.0,       0.0);
    ( 393938.3, 3813729.2,     909.8,    1990.0,       0.0);         ( 393961.8,
3813724.0,     919.3,    1990.0,       0.0);
    ( 393985.3, 3813718.7,     929.3,    1990.0,       0.0);         ( 394008.9,
3813713.5,     934.9,    1990.0,       0.0);
    ( 394032.4, 3813708.3,     937.3,    1990.0,       0.0);         ( 394055.9,
3813703.0,     940.3,    1990.0,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394079.5, 3813697.8, 945.0, 1990.0, 0.0); (394103.0, 3813692.6, 949.1, 1990.0, 0.0);
(394126.5, 3813687.3, 956.2, 1990.0, 0.0); (394150.1, 3813682.1, 969.1, 1990.0, 0.0);
(394173.6, 3813676.9, 973.8, 1990.0, 0.0); (394197.1, 3813671.6, 972.4, 1990.0, 0.0);
(394220.7, 3813666.4, 971.7, 1990.0, 0.0); (394244.2, 3813661.2, 972.8, 1990.0, 0.0);
(394267.7, 3813655.9, 975.4, 1990.0, 0.0); (394291.3, 3813650.7, 978.8, 1990.0, 0.0);
(394314.8, 3813645.5, 981.8, 1990.0, 0.0); (394338.3, 3813640.2, 988.0, 1990.0, 0.0);
(394361.9, 3813635.0, 994.8, 1990.0, 0.0); (394385.4, 3813629.8, 1003.9, 1990.0, 0.0);
(394408.9, 3813624.5, 1012.0, 1990.0, 0.0); (394432.5, 3813619.3, 1019.1, 1990.0, 0.0);
(394456.0, 3813614.0, 1017.7, 1990.0, 0.0); (394479.5, 3813608.8, 1010.1, 1990.0, 0.0);
(394503.1, 3813603.6, 1000.1, 1990.0, 0.0); (394526.6, 3813598.3, 989.9, 1990.0, 0.0);
(394550.1, 3813593.1, 980.1, 1990.0, 0.0); (394573.7, 3813587.9, 971.5, 1990.0, 0.0);
(394597.2, 3813582.6, 964.4, 1990.0, 0.0); (394620.7, 3813577.4, 960.2, 1990.0, 0.0);
(394644.3, 3813572.2, 962.3, 1990.0, 0.0); (394667.8, 3813566.9, 965.1, 1990.0, 0.0);
(394691.3, 3813561.7, 970.1, 1990.0, 0.0); (394714.9, 3813556.5, 972.7, 1990.0, 0.0);
(394738.4, 3813551.2, 971.2, 1990.0, 0.0); (394761.9, 3813546.0, 971.9, 1990.0, 0.0);
(394785.5, 3813540.8, 972.8, 1990.0, 0.0); (394809.0, 3813535.5, 976.8, 1990.0, 0.0);
(394832.5, 3813530.3, 979.5, 1990.0, 0.0); (394856.1, 3813525.1, 980.0, 1990.0, 0.0);
(394879.6, 3813519.8, 979.0, 1990.0, 0.0); (394903.1, 3813514.6, 981.5, 1990.0, 0.0);
(394926.7, 3813509.4, 985.4, 1990.0, 0.0); (394950.2, 3813504.1, 989.0, 1990.0, 0.0);

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    ( 394973.7, 3813498.9,     992.9,    1990.0,       0.0);         ( 394997.3,
3813493.7,    1000.0,    1990.0,       0.0);
    ( 395020.8, 3813488.4,    1008.0,    1990.0,       0.0);         ( 395044.3,
3813483.2,    1011.1,    1990.0,       0.0);
    ( 395067.9, 3813478.0,    1011.8,    1990.0,       0.0);         ( 395091.4,
3813472.7,    1011.8,    1990.0,       0.0);
    ( 395114.9, 3813467.5,    1013.8,    1990.0,       0.0);         ( 395138.5,
3813462.2,    1014.6,    1990.0,       0.0);
    ( 395162.0, 3813457.0,    1017.9,    1990.0,       0.0);         ( 395185.5,
3813451.8,    1028.4,    1990.0,       0.0);
    ( 395209.1, 3813446.5,    1040.7,    1981.2,       0.0);         ( 395232.6,
3813441.3,    1050.5,    1939.6,       0.0);
    ( 395256.1, 3813436.1,    1060.3,    1356.4,       0.0);         ( 395279.7,
3813430.8,    1069.2,    1356.4,       0.0);
    ( 395303.2, 3813425.6,    1075.3,    1356.4,       0.0);         ( 395326.7,
3813420.4,    1081.7,    1356.4,       0.0);
    ( 395350.3, 3813415.1,    1088.2,    1356.4,       0.0);         ( 395373.8,
3813409.9,    1097.9,    1356.4,       0.0);
    ( 395397.3, 3813404.7,    1109.3,    1356.4,       0.0);         ( 395420.9,
3813399.4,    1122.0,    1356.4,       0.0);
    ( 392004.5, 3816052.4,     948.4,    1037.1,       0.0);         ( 392003.5,
3816076.6,     955.6,    1037.1,       0.0);
    ( 392002.5, 3816100.8,     960.4,    1037.1,       0.0);         ( 392001.4,
3816125.0,     963.8,    1037.1,       0.0);
    ( 392000.4, 3816149.2,     966.5,    1037.1,       0.0);         ( 391999.4,
3816173.4,     968.7,    1037.1,       0.0);
    ( 391998.4, 3816197.7,     969.5,    1037.1,       0.0);         ( 391516.1,
3816010.0,     916.7,    1037.1,       0.0);
    ( 391527.2, 3815988.5,     917.3,    1037.1,       0.0);         ( 391538.4,
3815967.0,     917.3,    1037.1,       0.0);
    ( 391549.5, 3815945.5,     913.3,    1037.1,       0.0);         ( 391560.7,
3815924.0,     911.3,    1037.1,       0.0);
    ( 391571.8, 3815902.5,     909.9,    1037.1,       0.0);         ( 391583.0,
3815881.0,     907.2,    1939.6,       0.0);
    ( 391594.1, 3815859.5,     906.1,    1939.6,       0.0);         ( 391605.3,
3815838.0,     905.4,    1939.6,       0.0);
    ( 391616.5, 3815816.5,     904.8,    1939.6,       0.0);         ( 391627.6,
3815795.0,     906.2,    1939.6,       0.0);
    ( 391638.8, 3815773.5,     910.2,    1939.6,       0.0);         ( 391649.9,
3815752.0,     917.5,    1939.6,       0.0);
    ( 391661.1, 3815730.5,     925.7,    1037.1,       0.0);         ( 391672.2,
3815709.0,     930.4,    1037.1,       0.0);
    ( 391683.4, 3815687.5,     930.4,    1037.1,       0.0);         ( 391694.5,
3815666.0,     925.2,    1939.6,       0.0);
    ( 391705.7, 3815644.5,     921.8,    1939.6,       0.0);         ( 391716.8,
3815623.0,     918.1,    1939.6,       0.0);
    ( 391728.0, 3815601.5,     914.2,    1939.6,       0.0);         ( 391739.1,
3815580.0,     911.9,    1958.8,       0.0);
    ( 391750.3, 3815558.5,     912.6,    1958.8,       0.0);         ( 391761.4,
3815537.0,     917.2,    1958.8,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(391794.9, 3815472.5, 912.0, 1981.2, 0.0); (391806.0, 3815451.0, 906.0, 1981.2, 0.0);
(391817.2, 3815429.5, 900.8, 1989.0, 0.0); (391828.4, 3815408.0, 896.1, 1990.0, 0.0);
(391839.5, 3815386.5, 895.1, 1990.0, 0.0); (391850.7, 3815365.0, 895.9, 1990.0, 0.0);
(391861.8, 3815343.5, 897.0, 1990.0, 0.0); (391873.0, 3815322.0, 897.4, 1990.0, 0.0);
(391884.1, 3815300.5, 898.0, 1990.0, 0.0); (391895.3, 3815279.0, 899.1, 1990.0, 0.0);
(391906.4, 3815257.5, 903.6, 1990.0, 0.0); (391917.6, 3815236.0, 908.6, 1990.0, 0.0);
(391928.7, 3815214.5, 908.4, 1990.0, 0.0); (391939.9, 3815193.0, 901.0, 1990.0, 0.0);
(391951.0, 3815171.5, 890.5, 1990.0, 0.0); (391962.2, 3815150.0, 882.4, 1990.0, 0.0);
(391973.3, 3815128.5, 877.0, 1990.0, 0.0); (391984.5, 3815107.0, 869.1, 1990.0, 0.0);
(391995.6, 3815085.5, 864.8, 1990.0, 0.0); (392006.8, 3815064.0, 861.1, 1990.0, 0.0);
(392018.0, 3815042.5, 852.3, 1990.0, 0.0); (392029.1, 3815021.0, 849.8, 1990.0, 0.0);
(392040.3, 3814999.5, 848.8, 1990.0, 0.0); (392051.4, 3814978.0, 848.7, 1990.0, 0.0);
(392062.6, 3814956.5, 849.0, 1990.0, 0.0); (392073.7, 3814935.0, 849.3, 1990.0, 0.0);
(392084.9, 3814913.5, 849.6, 1990.0, 0.0); (392096.0, 3814892.0, 849.5, 1990.0, 0.0);
(392107.2, 3814870.5, 849.3, 1990.0, 0.0); (392118.3, 3814849.0, 849.4, 1990.0, 0.0);
(392129.5, 3814827.5, 849.7, 1990.0, 0.0); (392140.6, 3814806.0, 849.8, 1990.0, 0.0);
(392151.8, 3814784.5, 849.6, 1990.0, 0.0); (392163.0, 3814763.0, 849.4, 1990.0, 0.0);
(392174.1, 3814741.5, 849.8, 1990.0, 0.0); (392185.2, 3814720.0, 850.2, 1990.0, 0.0);

```
    ( 392196.4, 3814698.5,     850.2,    1990.0,       0.0);         ( 392207.6,
3814677.0,     849.5,    1990.0,       0.0);
    ( 392218.7, 3814655.5,     849.2,    1990.0,       0.0);         ( 392229.9,
3814634.0,     849.8,    1990.0,       0.0);
    ( 392241.0, 3814612.5,     851.1,    1990.0,       0.0);         ( 392252.2,
3814591.0,     854.4,    1990.0,       0.0);
    ( 392263.3, 3814569.5,     857.5,    1990.0,       0.0);         ( 392274.5,
3814548.0,     859.5,    1990.0,       0.0);
    ( 392285.6, 3814526.5,     860.3,    1990.0,       0.0);         ( 392296.8,
3814505.0,     861.1,    1990.0,       0.0);
    ( 392307.9, 3814483.5,     864.0,    1990.0,       0.0);         ( 392319.1,
3814462.0,     864.1,    1990.0,       0.0);
    ( 392330.2, 3814440.5,     864.2,    1990.0,       0.0);         ( 392341.4,
3814419.0,     864.6,    1990.0,       0.0);
    ( 392352.5, 3814397.5,     866.5,    1990.0,       0.0);         ( 392363.7,
3814376.0,     867.7,    1990.0,       0.0);
    ( 392374.8, 3814354.5,     870.8,    1990.0,       0.0);         ( 392386.0,
3814333.0,     871.2,    1990.0,       0.0);
    ( 392397.2, 3814311.5,     871.8,    1990.0,       0.0);         ( 392408.3,
3814290.0,     872.6,    1990.0,       0.0);
    ( 392419.5, 3814268.5,     874.8,    1990.0,       0.0);         ( 392430.6,
3814247.0,     876.4,    1990.0,       0.0);
    ( 392441.8, 3814225.5,     877.8,    1990.0,       0.0);         ( 392452.9,
3814204.0,     879.4,    1990.0,       0.0);
    ( 392464.1, 3814182.5,     881.0,    1990.0,       0.0);         ( 392475.2,
3814161.0,     883.0,    1990.0,       0.0);
    ( 392486.4, 3814139.5,     885.0,    1990.0,       0.0);         ( 392497.5,
3814118.0,     886.7,    1990.0,       0.0);
    ( 392508.7, 3814096.5,     888.6,    1990.0,       0.0);         ( 392519.8,
3814075.0,     890.9,    1990.0,       0.0);
    ( 392531.0, 3814053.5,     892.8,    1990.0,       0.0);         ( 392542.1,
3814032.0,     894.2,    1990.0,       0.0);
    ( 392553.3, 3814010.5,     895.1,    1990.0,       0.0);         ( 392564.5,
3813989.0,     897.8,    1990.0,       0.0);
    ( 392575.6, 3813967.5,     899.8,    1990.0,       0.0);         ( 392586.8,
3813946.0,     901.8,    1990.0,       0.0);
    ( 392597.9, 3813924.5,     904.1,    1990.0,       0.0);         ( 392609.1,
3813903.0,     906.0,    1990.0,       0.0);
    ( 392620.2, 3813881.5,     907.9,    1990.0,       0.0);         ( 392631.4,
3813860.0,     909.8,    1990.0,       0.0);
    ( 392642.5, 3813838.5,     911.9,    1990.0,       0.0);         ( 392653.7,
3813817.0,     914.0,    1990.0,       0.0);
    ( 392664.8, 3813795.5,     915.4,    1990.0,       0.0);         ( 392676.0,
3813774.0,     918.0,    1990.0,       0.0);
    ( 392687.1, 3813752.5,     922.5,    1990.0,       0.0);         ( 392698.3,
3813731.0,     927.4,    1990.0,       0.0);
    ( 392709.4, 3813709.5,     934.4,    1990.0,       0.0);         ( 392720.6,
3813688.0,     942.8,    1990.0,       0.0);
    ( 392731.8, 3813666.5,     949.9,    1990.0,       0.0);         ( 392742.9,
3813645.0,     951.3,    1990.0,       0.0);
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(392754.0, 3813623.5, 949.6, 1990.0, 0.0); (392765.2, 3813602.0, 948.3, 1990.0, 0.0);
(392776.4, 3813580.5, 948.7, 1990.0, 0.0); (392787.5, 3813559.0, 952.4, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(392798.7, 3813537.5, 955.1, 1990.0, 0.0); (392833.5, 3813510.8, 963.1, 1990.0, 0.0);
(392857.1, 3813505.5, 964.7, 1990.0, 0.0); (392880.7, 3813500.3, 965.3, 1990.0, 0.0);
(392904.4, 3813495.0, 962.9, 1990.0, 0.0); (392928.0, 3813489.8, 972.5, 1990.0, 0.0);
(392951.7, 3813484.5, 982.4, 1990.0, 0.0); (392975.3, 3813479.2, 991.5, 1990.0, 0.0);
(392999.0, 3813474.0, 1000.2, 1990.0, 0.0); (393022.6, 3813468.7, 1009.4, 1990.0, 0.0);
(393046.2, 3813463.5, 1019.5, 1990.0, 0.0); (393069.9, 3813458.2, 1030.4, 1990.0, 0.0);
(393093.5, 3813452.9, 1034.5, 1990.0, 0.0); (393117.2, 3813447.7, 1028.2, 1990.0, 0.0);
(393140.8, 3813442.4, 1018.8, 1990.0, 0.0); (393164.5, 3813437.2, 1012.6, 1990.0, 0.0);
(393188.1, 3813431.9, 1010.2, 1990.0, 0.0); (393211.7, 3813426.7, 1013.2, 1990.0, 0.0);
(393235.4, 3813421.4, 1018.1, 1990.0, 0.0); (393259.0, 3813416.1, 1016.4, 1990.0, 0.0);
(393282.7, 3813410.9, 1012.6, 1990.0, 0.0); (393306.3, 3813405.6, 1009.1, 1990.0, 0.0);
(393330.0, 3813400.4, 1004.2, 1990.0, 0.0); (393353.6, 3813395.1, 996.4, 1990.0, 0.0);
(393377.2, 3813389.8, 988.8, 1990.0, 0.0); (393400.9, 3813384.6, 980.9, 1990.0, 0.0);
(393424.5, 3813379.3, 974.9, 1990.0, 0.0); (393448.2, 3813374.1, 968.4, 1990.0, 0.0);
(393471.8, 3813368.8, 961.7, 1990.0, 0.0); (393495.5, 3813363.5, 956.5, 1990.0, 0.0);
(393519.1, 3813358.3, 950.6, 1990.0, 0.0); (393542.7, 3813353.0, 942.8, 1990.0, 0.0);
(393566.4, 3813347.8, 933.2, 1990.0, 0.0); (393590.0, 3813342.5, 922.1, 1990.0, 0.0);

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    ( 393613.7, 3813337.3,     914.7,    1990.0,       0.0);         ( 393637.3,
3813332.0,     909.8,    1990.0,       0.0);
    ( 393661.0, 3813326.7,     904.8,    1990.0,       0.0);         ( 393684.6,
3813321.5,     909.6,    1990.0,       0.0);
    ( 393708.2, 3813316.2,     911.2,    1990.0,       0.0);         ( 393731.9,
3813311.0,     904.5,    1990.0,       0.0);
    ( 393755.5, 3813305.7,     899.5,    1990.0,       0.0);         ( 393779.2,
3813300.4,     897.7,    1990.0,       0.0);
    ( 393802.8, 3813295.2,     896.2,    1990.0,       0.0);         ( 393826.4,
3813289.9,     894.4,    1990.0,       0.0);
    ( 393850.1, 3813284.7,     893.5,    1990.0,       0.0);         ( 393873.7,
3813279.4,     893.3,    1990.0,       0.0);
    ( 393897.4, 3813274.2,     891.0,    1990.0,       0.0);         ( 393921.0,
3813268.9,     892.7,    1990.0,       0.0);
    ( 393944.7, 3813263.6,     893.2,    1990.0,       0.0);         ( 393968.3,
3813258.4,     893.5,    1990.0,       0.0);
    ( 393991.9, 3813253.1,     897.1,    1990.0,       0.0);         ( 394015.6,
3813247.9,     907.0,    1990.0,       0.0);
    ( 394039.2, 3813242.6,     911.8,    1990.0,       0.0);         ( 394062.9,
3813237.3,     914.3,    1990.0,       0.0);
    ( 394086.5, 3813232.1,     916.7,    1990.0,       0.0);         ( 394110.1,
3813226.8,     918.5,    1990.0,       0.0);
    ( 394133.8, 3813221.6,     920.2,    1990.0,       0.0);         ( 394157.4,
3813216.3,     922.7,    1990.0,       0.0);
    ( 394181.1, 3813211.0,     925.4,    1990.0,       0.0);         ( 394204.7,
3813205.8,     928.0,    1990.0,       0.0);
    ( 394228.4, 3813200.5,     928.9,    1990.0,       0.0);         ( 394252.0,
3813195.3,     927.9,    1990.0,       0.0);
    ( 394275.6, 3813190.0,     928.2,    1990.0,       0.0);         ( 394299.3,
3813184.8,     927.1,    1990.0,       0.0);
    ( 394322.9, 3813179.5,     930.6,    1990.0,       0.0);         ( 394346.6,
3813174.2,     933.9,    1990.0,       0.0);
    ( 394370.2, 3813169.0,     936.2,    1990.0,       0.0);         ( 394393.9,
3813163.7,     938.0,    1990.0,       0.0);
    ( 394417.5, 3813158.5,     939.7,    1990.0,       0.0);         ( 394441.1,
3813153.2,     941.5,    1990.0,       0.0);
    ( 394464.8, 3813147.9,     943.3,    1990.0,       0.0);         ( 394488.4,
3813142.7,     945.3,    1990.0,       0.0);
    ( 394512.1, 3813137.4,     946.2,    1990.0,       0.0);         ( 394535.7,
3813132.2,     945.1,    1990.0,       0.0);
    ( 394559.4, 3813126.9,     949.9,    1990.0,       0.0);         ( 394583.0,
3813121.6,     952.8,    1990.0,       0.0);
    ( 394606.6, 3813116.4,     954.5,    1990.0,       0.0);         ( 394630.3,
3813111.1,     955.8,    1990.0,       0.0);
    ( 394653.9, 3813105.9,     957.1,    1990.0,       0.0);         ( 394677.6,
3813100.6,     958.9,    1990.0,       0.0);
    ( 394701.2, 3813095.4,     961.1,    1990.0,       0.0);         ( 394724.9,
3813090.1,     963.5,    1990.0,       0.0);
    ( 394748.5, 3813084.8,     965.9,    1990.0,       0.0);         ( 394772.1,
3813079.6,     968.1,    1990.0,       0.0);
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(394795.8, 3813074.3, 969.9, 1990.0, 0.0); (394819.4, 3813069.1, 971.8, 1990.0, 0.0);
(394843.1, 3813063.8, 974.1, 1990.0, 0.0); (394866.7, 3813058.5, 976.5, 1990.0, 0.0);
(394890.3, 3813053.3, 978.6, 1990.0, 0.0); (394914.0, 3813048.0, 980.5, 1990.0, 0.0);

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

(394937.6, 3813042.8, 983.0, 1990.0, 0.0); (394961.3, 3813037.5, 986.5, 1990.0, 0.0);
(394984.9, 3813032.3, 988.9, 1990.0, 0.0); (395008.6, 3813027.0, 986.7, 1990.0, 0.0);
(395032.2, 3813021.7, 985.3, 1990.0, 0.0); (395055.8, 3813016.5, 986.3, 1990.0, 0.0);
(395079.5, 3813011.2, 986.6, 1990.0, 0.0); (395103.1, 3813006.0, 986.2, 1990.0, 0.0);
(395126.8, 3813000.7, 986.8, 1990.0, 0.0); (395150.4, 3812995.4, 989.5, 1990.0, 0.0);
(395174.1, 3812990.2, 991.6, 1990.0, 0.0); (395197.7, 3812984.9, 995.9, 1990.0, 0.0);
(395221.3, 3812979.7, 1000.8, 1990.0, 0.0); (395245.0, 3812974.4, 1002.4, 1990.0, 0.0);
(395268.6, 3812969.1, 1004.5, 1990.0, 0.0); (395292.3, 3812963.9, 1010.4, 1990.0, 0.0);
(395315.9, 3812958.6, 1015.0, 1990.0, 0.0); (395339.6, 3812953.4, 1021.2, 1990.0, 0.0);
(395363.2, 3812948.1, 1026.0, 1990.0, 0.0); (395386.8, 3812942.9, 1028.7, 1990.0, 0.0);
(395410.5, 3812937.6, 1030.0, 1990.0, 0.0); (395434.1, 3812932.3, 1029.0, 1990.0, 0.0);
(395457.8, 3812927.1, 1026.1, 1990.0, 0.0); (395481.4, 3812921.8, 1023.6, 1990.0, 0.0);
(395505.1, 3812916.6, 1021.9, 1990.0, 0.0); (391504.9, 3816031.5, 916.7, 1037.1, 0.0);
(391503.9, 3816055.7, 917.4, 1037.1, 0.0); (391502.9, 3816079.9, 921.1, 1037.1, 0.0);
(391501.9, 3816104.1, 924.0, 1037.1, 0.0); (391500.9, 3816128.3, 926.3, 1037.1, 0.0);
(391499.8, 3816152.5, 928.8, 1037.1, 0.0); (391498.8, 3816176.8, 930.1, 1037.1, 0.0);

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    ( 391016.5, 3815989.2,     867.7,    1981.2,       0.0);         ( 391027.6,
3815967.8,     865.6,    1981.2,       0.0);
    ( 391038.7, 3815946.3,     866.2,    1981.2,       0.0);         ( 391049.8,
3815924.9,     867.1,    1981.2,       0.0);
    ( 391060.9, 3815903.5,     865.2,    1981.2,       0.0);         ( 391072.0,
3815882.1,     862.4,    1981.2,       0.0);
    ( 391083.1, 3815860.7,     861.0,    1982.9,       0.0);         ( 391094.2,
3815839.3,     860.0,    1987.3,       0.0);
    ( 391105.3, 3815817.9,     860.3,    1989.0,       0.0);         ( 391116.4,
3815796.4,     859.5,    1990.0,       0.0);
    ( 391127.5, 3815775.0,     858.3,    1990.0,       0.0);         ( 391138.7,
3815753.6,     857.8,    1990.0,       0.0);
    ( 391149.8, 3815732.2,     857.9,    1990.0,       0.0);         ( 391160.9,
3815710.8,     858.5,    1990.0,       0.0);
    ( 391172.0, 3815689.4,     859.4,    1990.0,       0.0);         ( 391183.1,
3815668.0,     860.5,    1990.0,       0.0);
    ( 391194.2, 3815646.6,     861.1,    1990.0,       0.0);         ( 391205.3,
3815625.1,     861.1,    1990.0,       0.0);
    ( 391216.4, 3815603.7,     860.2,    1990.0,       0.0);         ( 391227.5,
3815582.3,     859.8,    1990.0,       0.0);
    ( 391238.6, 3815560.9,     859.8,    1990.0,       0.0);         ( 391249.8,
3815539.5,     859.0,    1990.0,       0.0);
    ( 391260.9, 3815518.1,     858.2,    1990.0,       0.0);         ( 391272.0,
3815496.7,     857.4,    1990.0,       0.0);
    ( 391283.1, 3815475.2,     856.5,    1990.0,       0.0);         ( 391294.2,
3815453.8,     855.9,    1990.0,       0.0);
    ( 391305.3, 3815432.4,     855.2,    1990.0,       0.0);         ( 391316.4,
3815411.0,     854.5,    1990.0,       0.0);
    ( 391327.5, 3815389.6,     853.6,    1990.0,       0.0);         ( 391338.6,
3815368.2,     852.6,    1990.0,       0.0);
    ( 391349.7, 3815346.8,     851.9,    1990.0,       0.0);         ( 391360.8,
3815325.3,     851.1,    1990.0,       0.0);
    ( 391371.9, 3815303.9,     850.4,    1990.0,       0.0);         ( 391383.0,
3815282.5,     849.8,    1990.0,       0.0);
    ( 391394.2, 3815261.1,     849.2,    1990.0,       0.0);         ( 391405.3,
3815239.7,     848.6,    1990.0,       0.0);
    ( 391416.4, 3815218.3,     848.0,    1990.0,       0.0);         ( 391427.5,
3815196.9,     847.8,    1990.0,       0.0);
    ( 391438.6, 3815175.4,     847.8,    1990.0,       0.0);         ( 391449.7,
3815154.0,     847.9,    1990.0,       0.0);
    ( 391460.8, 3815132.6,     847.8,    1990.0,       0.0);         ( 391471.9,
3815111.2,     845.9,    1990.0,       0.0);
    ( 391483.0, 3815089.8,     843.8,    1990.0,       0.0);         ( 391494.1,
3815068.4,     842.5,    1990.0,       0.0);
    ( 391505.2, 3815047.0,     842.7,    1990.0,       0.0);         ( 391516.3,
3815025.5,     842.6,    1990.0,       0.0);
    ( 391527.5, 3815004.1,     842.4,    1990.0,       0.0);         ( 391538.6,
3814982.7,     842.4,    1990.0,       0.0);
    ( 391549.7, 3814961.3,     842.5,    1990.0,       0.0);         ( 391560.8,
3814939.9,     842.8,    1990.0,       0.0);
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(391571.9, 3814918.5, 842.9, 1990.0, 0.0); (391583.0, 3814897.1, 842.9, 1990.0, 0.0);
(391594.1, 3814875.6, 842.9, 1990.0, 0.0); (391605.2, 3814854.2, 842.8, 1990.0, 0.0);
(391616.3, 3814832.8, 842.9, 1990.0, 0.0); (391627.4, 3814811.4, 842.9, 1990.0, 0.0);
(391638.5, 3814790.0, 843.0, 1990.0, 0.0); (391649.7, 3814768.6, 843.3, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(391660.8, 3814747.2, 843.4, 1990.0, 0.0); (391671.9, 3814725.8, 843.3, 1990.0, 0.0);
(391683.0, 3814704.3, 843.2, 1990.0, 0.0); (391694.1, 3814682.9, 843.1, 1990.0, 0.0);
(391705.2, 3814661.5, 843.3, 1990.0, 0.0); (391716.3, 3814640.1, 843.6, 1990.0, 0.0);
(391727.4, 3814618.7, 843.7, 1990.0, 0.0); (391738.5, 3814597.3, 843.7, 1990.0, 0.0);
(391749.6, 3814575.8, 843.4, 1990.0, 0.0); (391760.7, 3814554.4, 843.3, 1990.0, 0.0);
(391771.8, 3814533.0, 843.2, 1990.0, 0.0); (391783.0, 3814511.6, 843.0, 1990.0, 0.0);
(391794.1, 3814490.2, 843.7, 1990.0, 0.0); (391805.2, 3814468.8, 844.6, 1990.0, 0.0);
(391816.3, 3814447.4, 845.9, 1990.0, 0.0); (391827.4, 3814426.0, 850.8, 1990.0, 0.0);
(391838.5, 3814404.5, 852.7, 1990.0, 0.0); (391849.6, 3814383.1, 852.8, 1990.0, 0.0);
(391860.7, 3814361.7, 852.8, 1990.0, 0.0); (391871.8, 3814340.3, 851.4, 1990.0, 0.0);
(391882.9, 3814318.9, 851.6, 1990.0, 0.0); (391894.0, 3814297.5, 853.0, 1990.0, 0.0);
(391905.1, 3814276.1, 854.9, 1990.0, 0.0); (391916.3, 3814254.6, 856.5, 1990.0, 0.0);
(391927.4, 3814233.2, 858.0, 1990.0, 0.0); (391938.5, 3814211.8, 860.2, 1990.0, 0.0);
(391949.6, 3814190.4, 862.6, 1990.0, 0.0); (391960.7, 3814169.0, 864.9, 1990.0, 0.0);
(391971.8, 3814147.6, 866.8, 1990.0, 0.0); (391982.9, 3814126.2, 869.0, 1990.0, 0.0);

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    ( 391994.0, 3814104.8,     871.6,    1990.0,       0.0);         ( 392005.1,
3814083.3,     875.0,    1990.0,       0.0);
    ( 392016.2, 3814061.9,     876.0,    1990.0,       0.0);         ( 392027.3,
3814040.5,     878.7,    1990.0,       0.0);
    ( 392038.5, 3814019.1,     882.1,    1990.0,       0.0);         ( 392049.6,
3813997.7,     884.7,    1990.0,       0.0);
    ( 392060.7, 3813976.3,     887.0,    1990.0,       0.0);         ( 392071.8,
3813954.8,     889.4,    1990.0,       0.0);
    ( 392082.9, 3813933.4,     892.2,    1990.0,       0.0);         ( 392094.0,
3813912.0,     895.3,    1990.0,       0.0);
    ( 392105.1, 3813890.6,     898.5,    1990.0,       0.0);         ( 392116.2,
3813869.2,     901.9,    1990.0,       0.0);
    ( 392127.3, 3813847.8,     905.3,    1990.0,       0.0);         ( 392138.4,
3813826.4,     908.7,    1990.0,       0.0);
    ( 392149.5, 3813804.9,     912.4,    1990.0,       0.0);         ( 392160.6,
3813783.5,     916.5,    1990.0,       0.0);
    ( 392171.8, 3813762.1,     920.0,    1990.0,       0.0);         ( 392182.9,
3813740.7,     923.3,    1990.0,       0.0);
    ( 392194.0, 3813719.3,     928.0,    1990.0,       0.0);         ( 392205.1,
3813697.9,     935.2,    1990.0,       0.0);
    ( 392216.2, 3813676.5,     942.4,    1990.0,       0.0);         ( 392227.3,
3813655.0,     950.2,    1990.0,       0.0);
    ( 392238.4, 3813633.6,     959.3,    1990.0,       0.0);         ( 392249.5,
3813612.2,     969.0,    1990.0,       0.0);
    ( 392260.6, 3813590.8,     978.6,    1990.0,       0.0);         ( 392271.7,
3813569.4,     988.9,    1990.0,       0.0);
    ( 392282.8, 3813548.0,     999.6,    1990.0,       0.0);         ( 392294.0,
3813526.6,    1010.1,    1990.0,       0.0);
    ( 392305.1, 3813505.1,    1019.3,    1990.0,       0.0);         ( 392316.2,
3813483.7,    1026.3,    1990.0,       0.0);
    ( 392327.3, 3813462.3,    1026.0,    1990.0,       0.0);         ( 392338.4,
3813440.9,    1028.2,    1990.0,       0.0);
    ( 392349.5, 3813419.5,    1030.8,    1990.0,       0.0);         ( 392360.6,
3813398.1,    1031.1,    1990.0,       0.0);
    ( 392371.7, 3813376.7,    1031.1,    1990.0,       0.0);         ( 392382.8,
3813355.3,    1031.4,    1990.0,       0.0);
    ( 392393.9, 3813333.8,    1033.6,    1990.0,       0.0);         ( 392405.0,
3813312.4,    1035.5,    1990.0,       0.0);
    ( 392416.1, 3813291.0,    1038.1,    1990.0,       0.0);         ( 392427.2,
3813269.6,    1039.5,    1990.0,       0.0);
    ( 392438.4, 3813248.2,    1042.2,    1990.0,       0.0);         ( 392449.5,
3813226.8,    1048.1,    1990.0,       0.0);
    ( 392460.6, 3813205.4,    1055.4,    1990.0,       0.0);         ( 392471.7,
3813183.9,    1066.7,    1990.0,       0.0);
    ( 392482.8, 3813162.5,    1073.8,    1990.0,       0.0);         ( 392493.9,
3813141.1,    1084.2,    1990.0,       0.0);
    ( 392528.6, 3813114.5,    1097.6,    1990.0,       0.0);         ( 392552.1,
3813109.2,    1100.3,    1990.0,       0.0);
    ( 392575.7, 3813104.0,    1103.2,    1990.0,       0.0);         ( 392599.2,
3813098.8,    1109.6,    1990.0,       0.0);
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(392622.8, 3813093.5, 1118.0, 1990.0, 0.0); (392646.3, 3813088.3, 1128.0, 1990.0, 0.0);
(392669.8, 3813083.0, 1132.8, 1985.1, 0.0); (392693.4, 3813077.8, 1133.7, 1982.9, 0.0);
(392717.0, 3813072.6, 1134.2, 1982.9, 0.0); (392740.5, 3813067.3, 1127.5, 1990.0, 0.0);
(392764.0, 3813062.1, 1121.8, 1990.0, 0.0); (392787.6, 3813056.8, 1118.8, 1990.0, 0.0);
(392811.1, 3813051.6, 1116.5, 1990.0, 0.0); (392834.7, 3813046.4, 1113.7, 1990.0, 0.0);

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

(392858.2, 3813041.1, 1110.1, 1990.0, 0.0); (392881.8, 3813035.9, 1109.7, 1990.0, 0.0);
(392905.3, 3813030.7, 1113.6, 1990.0, 0.0); (392928.9, 3813025.4, 1115.3, 1990.0, 0.0);
(392952.4, 3813020.2, 1110.9, 1990.0, 0.0); (392976.0, 3813014.9, 1105.6, 1990.0, 0.0);
(392999.5, 3813009.7, 1098.5, 1990.0, 0.0); (393023.1, 3813004.5, 1086.0, 1990.0, 0.0);
(393046.6, 3812999.2, 1074.7, 1990.0, 0.0); (393070.2, 3812994.0, 1070.5, 1990.0, 0.0);
(393093.7, 3812988.8, 1068.4, 1990.0, 0.0); (393117.3, 3812983.5, 1061.2, 1990.0, 0.0);
(393140.8, 3812978.3, 1058.9, 1990.0, 0.0); (393164.4, 3812973.0, 1055.5, 1990.0, 0.0);
(393187.9, 3812967.8, 1047.3, 1990.0, 0.0); (393211.5, 3812962.6, 1038.2, 1990.0, 0.0);
(393235.0, 3812957.3, 1028.9, 1990.0, 0.0); (393258.6, 3812952.1, 1019.5, 1990.0, 0.0);
(393282.1, 3812946.9, 1011.0, 1990.0, 0.0); (393305.7, 3812941.6, 1003.3, 1990.0, 0.0);
(393329.2, 3812936.4, 994.0, 1990.0, 0.0); (393352.8, 3812931.1, 978.2, 1990.0, 0.0);
(393376.3, 3812925.9, 983.6, 1990.0, 0.0); (393399.8, 3812920.7, 993.8, 1990.0, 0.0);
(393423.4, 3812915.4, 992.0, 1990.0, 0.0); (393447.0, 3812910.2, 989.7, 1990.0, 0.0);
(393470.5, 3812904.9, 986.9, 1990.0, 0.0); (393494.0, 3812899.7, 985.9, 1990.0, 0.0);

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    ( 393517.6, 3812894.5,     990.2,    1990.0,       0.0);         ( 393541.1,
3812889.2,     999.7,    1990.0,       0.0);
    ( 393564.7, 3812884.0,    1008.6,    1990.0,       0.0);         ( 393588.2,
3812878.8,    1006.5,    1990.0,       0.0);
    ( 393611.8, 3812873.5,     997.5,    1990.0,       0.0);         ( 393635.3,
3812868.3,     993.3,    1990.0,       0.0);
    ( 393658.9, 3812863.0,    1003.1,    1990.0,       0.0);         ( 393682.4,
3812857.8,    1014.3,    1990.0,       0.0);
    ( 393706.0, 3812852.6,    1025.5,    1990.0,       0.0);         ( 393729.5,
3812847.3,    1031.3,    1990.0,       0.0);
    ( 393753.1, 3812842.1,    1024.7,    1990.0,       0.0);         ( 393776.6,
3812836.9,    1010.2,    1990.0,       0.0);
    ( 393800.2, 3812831.6,     994.1,    1990.0,       0.0);         ( 393823.7,
3812826.4,     979.1,    1990.0,       0.0);
    ( 393847.3, 3812821.1,     966.8,    1990.0,       0.0);         ( 393870.8,
3812815.9,     956.3,    1990.0,       0.0);
    ( 393894.4, 3812810.7,     947.7,    1990.0,       0.0);         ( 393917.9,
3812805.4,     937.3,    1990.0,       0.0);
    ( 393941.5, 3812800.2,     929.5,    1990.0,       0.0);         ( 393965.0,
3812795.0,     924.2,    1990.0,       0.0);
    ( 393988.6, 3812789.7,     922.5,    1990.0,       0.0);         ( 394012.1,
3812784.5,     920.5,    1990.0,       0.0);
    ( 394035.7, 3812779.2,     914.3,    1990.0,       0.0);         ( 394059.2,
3812774.0,     908.0,    1990.0,       0.0);
    ( 394082.8, 3812768.8,     903.1,    1990.0,       0.0);         ( 394106.3,
3812763.5,     901.7,    1990.0,       0.0);
    ( 394129.8, 3812758.3,     904.2,    1990.0,       0.0);         ( 394153.4,
3812753.1,     908.3,    1990.0,       0.0);
    ( 394177.0, 3812747.8,     912.5,    1990.0,       0.0);         ( 394200.5,
3812742.6,     916.2,    1990.0,       0.0);
    ( 394224.0, 3812737.3,     919.3,    1990.0,       0.0);         ( 394247.6,
3812732.1,     923.7,    1990.0,       0.0);
    ( 394271.1, 3812726.9,     928.8,    1990.0,       0.0);         ( 394294.7,
3812721.6,     926.0,    1990.0,       0.0);
    ( 394318.2, 3812716.4,     920.8,    1990.0,       0.0);         ( 394341.8,
3812711.2,     916.4,    2061.5,       0.0);
    ( 394365.3, 3812705.9,     915.1,    2083.7,       0.0);         ( 394388.9,
3812700.7,     914.5,    2084.7,       0.0);
    ( 394412.4, 3812695.4,     919.0,    2083.7,       0.0);         ( 394436.0,
3812690.2,     928.7,    1990.0,       0.0);
    ( 394459.5, 3812685.0,     937.4,    1990.0,       0.0);         ( 394483.1,
3812679.7,     942.3,    1990.0,       0.0);
    ( 394506.6, 3812674.5,     946.4,    1990.0,       0.0);         ( 394530.2,
3812669.3,     953.6,    1990.0,       0.0);
    ( 394553.7, 3812664.0,     960.6,    1990.0,       0.0);         ( 394577.3,
3812658.8,     966.4,    1990.0,       0.0);
    ( 394600.8, 3812653.5,     973.6,    1990.0,       0.0);         ( 394624.4,
3812648.3,     978.2,    1990.0,       0.0);
    ( 394647.9, 3812643.1,     982.8,    1990.0,       0.0);         ( 394671.5,
3812637.8,     991.8,    1990.0,       0.0);
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(394695.0, 3812632.6, 999.1, 1990.0, 0.0); (394718.6, 3812627.3, 997.8, 1990.0, 0.0);
(394742.1, 3812622.1, 994.3, 1990.0, 0.0); (394765.7, 3812616.9, 989.5, 1990.0, 0.0);
(394789.2, 3812611.6, 981.5, 1990.0, 0.0); (394812.8, 3812606.4, 972.8, 1990.0, 0.0);
(394836.3, 3812601.2, 965.7, 1990.0, 0.0); (394859.8, 3812595.9, 962.5, 2061.5, 0.0);
(394883.4, 3812590.7, 960.9, 2083.7, 0.0); (394907.0, 3812585.4, 963.8, 2083.7, 0.0);
(394930.5, 3812580.2, 965.9, 2083.7, 0.0); (394954.0, 3812575.0, 968.7, 2083.7, 0.0);

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

(394977.6, 3812569.7, 971.1, 2083.7, 0.0); (395001.1, 3812564.5, 972.9, 2083.7, 0.0);
(395024.7, 3812559.3, 974.8, 2083.7, 0.0); (395048.2, 3812554.0, 976.2, 2083.7, 0.0);
(395071.8, 3812548.8, 977.3, 2084.7, 0.0); (395095.3, 3812543.5, 978.9, 2084.7, 0.0);
(395118.9, 3812538.3, 978.9, 2084.7, 0.0); (395142.4, 3812533.1, 974.5, 2084.7, 0.0);
(395166.0, 3812527.8, 975.5, 2084.7, 0.0); (395189.5, 3812522.6, 978.0, 2084.7, 0.0);
(395213.1, 3812517.4, 978.5, 2084.7, 0.0); (395236.6, 3812512.1, 980.4, 2084.7, 0.0);
(395260.2, 3812506.9, 984.2, 2084.7, 0.0); (395283.7, 3812501.6, 989.0, 2084.7, 0.0);
(395307.3, 3812496.4, 989.6, 2084.7, 0.0); (395330.8, 3812491.2, 990.0, 2084.7, 0.0);
(395354.4, 3812485.9, 992.6, 2084.7, 0.0); (395377.9, 3812480.7, 997.1, 2084.7, 0.0);
(395401.5, 3812475.5, 1000.8, 2084.7, 0.0); (395425.0, 3812470.2, 1001.3, 2084.7, 0.0);
(395448.6, 3812465.0, 1000.5, 2084.7, 0.0); (395472.1, 3812459.8, 1002.8, 2084.7, 0.0);
(395495.7, 3812454.5, 1004.4, 2084.7, 0.0); (395519.2, 3812449.3, 1005.2, 2084.7, 0.0);
(395542.8, 3812444.0, 1007.5, 2084.7, 0.0); (395566.3, 3812438.8, 1005.4, 2084.7, 0.0);

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     ( 395589.8, 3812433.6,    1010.6,    2084.7,       0.0);         ( 395613.4,
3812428.3,    1015.4,    2084.7,       0.0);
     ( 391005.4, 3816010.6,     871.1,    1958.8,       0.0);         ( 391004.3,
3816034.8,     876.9,    1939.6,       0.0);
     ( 391003.3, 3816059.0,     881.6,    1939.6,       0.0);         ( 391002.3,
3816083.2,     881.4,    1939.6,       0.0);
     ( 391001.3, 3816107.4,     879.2,    1939.6,       0.0);         ( 391000.3,
3816131.6,     877.9,    1939.6,       0.0);
     ( 390999.3, 3816155.8,     881.9,    1939.6,       0.0);         ( 389684.3,
3815933.3,     845.9,    1981.2,       0.0);
     ( 389695.5, 3815911.8,     845.0,    1981.2,       0.0);         ( 389706.7,
3815890.3,     844.0,    1981.2,       0.0);
     ( 389717.8, 3815868.8,     843.0,    1985.1,       0.0);         ( 389729.0,
3815847.3,     842.1,    1989.0,       0.0);
     ( 389740.1, 3815825.8,     840.7,    1990.0,       0.0);         ( 389751.3,
3815804.3,     840.1,    1990.0,       0.0);
     ( 389762.4, 3815782.8,     839.6,    1990.0,       0.0);         ( 389773.6,
3815761.3,     838.8,    1990.0,       0.0);
     ( 389784.7, 3815739.8,     837.4,    1990.0,       0.0);         ( 389795.9,
3815718.3,     837.0,    1990.0,       0.0);
     ( 389807.0, 3815696.8,     837.0,    1990.0,       0.0);         ( 389818.2,
3815675.3,     837.1,    1990.0,       0.0);
     ( 389829.4, 3815653.8,     836.8,    1990.0,       0.0);         ( 389840.5,
3815632.3,     836.6,    1990.0,       0.0);
     ( 389851.7, 3815610.8,     836.5,    1990.0,       0.0);         ( 389862.8,
3815589.3,     836.8,    1990.0,       0.0);
     ( 389874.0, 3815567.8,     836.1,    1990.0,       0.0);         ( 389885.1,
3815546.3,     835.6,    1990.0,       0.0);
     ( 389896.3, 3815524.8,     835.1,    1990.0,       0.0);         ( 389907.4,
3815503.3,     834.9,    1990.0,       0.0);
     ( 389918.6, 3815481.8,     834.8,    1990.0,       0.0);         ( 389929.8,
3815460.2,     834.6,    1990.0,       0.0);
     ( 389940.9, 3815438.8,     834.1,    1990.0,       0.0);         ( 389952.1,
3815417.2,     833.7,    1990.0,       0.0);
     ( 389963.2, 3815395.8,     833.7,    1990.0,       0.0);         ( 389974.4,
3815374.2,     832.8,    1990.0,       0.0);
     ( 389985.5, 3815352.7,     832.2,    1990.0,       0.0);         ( 389996.7,
3815331.2,     831.6,    1990.0,       0.0);
     ( 390007.8, 3815309.7,     831.0,    1990.0,       0.0);         ( 390019.0,
3815288.2,     830.3,    1990.0,       0.0);
     ( 390030.1, 3815266.7,     829.6,    1990.0,       0.0);         ( 390041.3,
3815245.2,     828.9,    1990.0,       0.0);
     ( 390052.5, 3815223.7,     828.4,    1990.0,       0.0);         ( 390063.6,
3815202.2,     827.8,    1990.0,       0.0);
     ( 390074.8, 3815180.7,     827.2,    1990.0,       0.0);         ( 390085.9,
3815159.2,     827.1,    1990.0,       0.0);
     ( 390097.1, 3815137.7,     826.5,    1990.0,       0.0);         ( 390108.2,
3815116.2,     825.9,    1990.0,       0.0);
     ( 390119.4, 3815094.7,     825.5,    1990.0,       0.0);         ( 390130.5,
3815073.2,     825.3,    1990.0,       0.0);
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(390141.7, 3815051.7, 825.1, 1990.0, 0.0); (390152.8, 3815030.2, 824.9, 1990.0, 0.0);
(390164.0, 3815008.7, 824.8, 1990.0, 0.0); (390175.2, 3814987.2, 824.6, 1990.0, 0.0);
(390186.3, 3814965.7, 824.3, 1990.0, 0.0); (390197.5, 3814944.2, 824.3, 1990.0, 0.0);
(390208.6, 3814922.7, 824.2, 1990.0, 0.0); (390219.8, 3814901.2, 824.2, 1990.0, 0.0);
(390230.9, 3814879.7, 824.3, 1990.0, 0.0); (390242.1, 3814858.2, 824.4, 1990.0, 0.0);
(390253.2, 3814836.7, 824.5, 1990.0, 0.0); (390264.4, 3814815.2, 824.8, 1990.0, 0.0);
(390275.5, 3814793.7, 824.9, 1990.0, 0.0); (390286.7, 3814772.1, 824.8, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(390297.9, 3814750.6, 824.3, 1990.0, 0.0); (390309.0, 3814729.1, 825.0, 1990.0, 0.0);
(390320.2, 3814707.6, 824.9, 1990.0, 0.0); (390331.3, 3814686.1, 824.8, 1990.0, 0.0);
(390342.5, 3814664.6, 824.9, 1990.0, 0.0); (390353.6, 3814643.1, 825.0, 1990.0, 0.0);
(390364.8, 3814621.6, 825.1, 1990.0, 0.0); (390375.9, 3814600.1, 825.3, 1990.0, 0.0);
(390387.1, 3814578.6, 825.4, 1990.0, 0.0); (390398.2, 3814557.1, 825.3, 1990.0, 0.0);
(390409.4, 3814535.6, 825.3, 1990.0, 0.0); (390420.6, 3814514.1, 825.5, 1990.0, 0.0);
(390431.7, 3814492.6, 825.5, 1990.0, 0.0); (390442.9, 3814471.1, 825.4, 1990.0, 0.0);
(390454.0, 3814449.6, 825.4, 1990.0, 0.0); (390465.2, 3814428.1, 826.1, 1990.0, 0.0);
(390476.3, 3814406.6, 827.2, 1990.0, 0.0); (390487.5, 3814385.1, 827.5, 1990.0, 0.0);
(390498.6, 3814363.6, 830.2, 1990.0, 0.0); (390509.8, 3814342.1, 829.2, 1990.0, 0.0);
(390521.0, 3814320.6, 827.5, 1990.0, 0.0); (390532.1, 3814299.1, 829.9, 1990.0, 0.0);
(390543.3, 3814277.6, 832.2, 1990.0, 0.0); (390554.4, 3814256.1, 830.3, 1990.0, 0.0);

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    ( 390565.6, 3814234.6,     831.0,    1990.0,       0.0);         ( 390576.7,
3814213.1,     831.3,    1990.0,       0.0);
    ( 390587.9, 3814191.6,     827.8,    1990.0,       0.0);         ( 390599.0,
3814170.1,     826.2,    1990.0,       0.0);
    ( 390610.2, 3814148.6,     825.0,    1990.0,       0.0);         ( 390621.3,
3814127.1,     819.6,    1990.0,       0.0);
    ( 390632.5, 3814105.6,     820.8,    1990.0,       0.0);         ( 390643.7,
3814084.0,     821.5,    1990.0,       0.0);
    ( 390654.8, 3814062.5,     822.3,    1990.0,       0.0);         ( 390666.0,
3814041.0,     825.5,    1990.0,       0.0);
    ( 390677.1, 3814019.5,     828.1,    1990.0,       0.0);         ( 390688.3,
3813998.0,     829.2,    1990.0,       0.0);
    ( 390699.4, 3813976.5,     829.6,    1990.0,       0.0);         ( 390710.6,
3813955.0,     829.7,    1990.0,       0.0);
    ( 390721.7, 3813933.5,     829.9,    1990.0,       0.0);         ( 390732.9,
3813912.0,     830.8,    1990.0,       0.0);
    ( 390744.0, 3813890.5,     833.0,    1990.0,       0.0);         ( 390755.2,
3813869.0,     833.3,    1990.0,       0.0);
    ( 390766.4, 3813847.5,     832.9,    1990.0,       0.0);         ( 390777.5,
3813826.0,     828.3,    1990.0,       0.0);
    ( 390788.7, 3813804.5,     825.2,    1990.0,       0.0);         ( 390799.8,
3813783.0,     823.7,    1990.0,       0.0);
    ( 390811.0, 3813761.5,     822.2,    1990.0,       0.0);         ( 390822.1,
3813740.0,     822.0,    1990.0,       0.0);
    ( 390833.3, 3813718.5,     824.3,    1990.0,       0.0);         ( 390844.5,
3813697.0,     829.7,    1990.0,       0.0);
    ( 390855.6, 3813675.5,     830.9,    1990.0,       0.0);         ( 390866.8,
3813654.0,     834.6,    1990.0,       0.0);
    ( 390877.9, 3813632.5,     839.6,    1990.0,       0.0);         ( 390889.1,
3813611.0,     840.3,    1990.0,       0.0);
    ( 390900.2, 3813589.5,     841.2,    1990.0,       0.0);         ( 390911.4,
3813568.0,     842.6,    1990.0,       0.0);
    ( 390922.5, 3813546.5,     843.6,    1990.0,       0.0);         ( 390933.7,
3813525.0,     844.5,    1990.0,       0.0);
    ( 390944.8, 3813503.5,     844.8,    1990.0,       0.0);         ( 390956.0,
3813482.0,     841.0,    1990.0,       0.0);
    ( 390967.1, 3813460.5,     837.8,    1990.0,       0.0);         ( 390978.3,
3813439.0,     837.2,    1990.0,       0.0);
    ( 390989.5, 3813417.5,     834.8,    1990.0,       0.0);         ( 391000.6,
3813395.9,     843.0,    1990.0,       0.0);
    ( 391011.8, 3813374.4,     847.5,    1990.0,       0.0);         ( 391022.9,
3813352.9,     851.4,    1990.0,       0.0);
    ( 391034.1, 3813331.4,     855.8,    1990.0,       0.0);         ( 391045.2,
3813309.9,     862.7,    1990.0,       0.0);
    ( 391056.4, 3813288.4,     868.7,    1990.0,       0.0);         ( 391067.5,
3813266.9,     872.8,    1990.0,       0.0);
    ( 391078.7, 3813245.4,     876.9,    1990.0,       0.0);         ( 391089.8,
3813223.9,     883.2,    1990.0,       0.0);
    ( 391101.0, 3813202.4,     891.8,    1990.0,       0.0);         ( 391112.2,
3813180.9,     901.7,    1990.0,       0.0);
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(391123.3, 3813159.4, 911.1, 1990.0, 0.0); (391134.5, 3813137.9, 920.9, 1990.0, 0.0);
(391145.6, 3813116.4, 926.0, 1990.0, 0.0); (391156.8, 3813094.9, 932.5, 1990.0, 0.0);
(391167.9, 3813073.4, 942.1, 1990.0, 0.0); (391179.1, 3813051.9, 947.4, 1990.0, 0.0);
(391190.2, 3813030.4, 952.3, 1990.0, 0.0); (391201.4, 3813008.9, 957.3, 1990.0, 0.0);
(391212.5, 3812987.4, 957.7, 1990.0, 0.0); (391223.7, 3812965.9, 959.4, 1990.0, 0.0);
(391234.9, 3812944.4, 969.1, 1990.0, 0.0); (391246.0, 3812922.9, 979.9, 1990.0, 0.0);
(391257.2, 3812901.4, 986.1, 1990.0, 0.0); (391268.3, 3812879.9, 987.7, 1990.0, 0.0);
(391279.5, 3812858.4, 988.8, 1990.0, 0.0); (391290.6, 3812836.9, 991.8, 1990.0, 0.0);

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

(391301.8, 3812815.4, 994.4, 1990.0, 0.0); (391313.0, 3812793.9, 995.3, 1990.0, 0.0);
(391324.1, 3812772.4, 997.4, 1990.0, 0.0); (391335.3, 3812750.9, 1002.9, 1990.0, 0.0);
(391346.4, 3812729.4, 1007.1, 1990.0, 0.0); (391357.6, 3812707.8, 999.4, 1990.0, 0.0);
(391368.7, 3812686.3, 987.8, 1990.0, 0.0); (391379.9, 3812664.8, 978.2, 1990.0, 0.0);
(391391.0, 3812643.3, 978.3, 1990.0, 0.0); (391402.2, 3812621.8, 981.8, 1990.0, 0.0);
(391413.3, 3812600.3, 989.4, 1990.0, 0.0); (391424.5, 3812578.8, 997.3, 1990.0, 0.0);
(391435.6, 3812557.3, 992.2, 1990.0, 0.0); (391446.8, 3812535.8, 983.1, 1990.0, 0.0);
(391458.0, 3812514.3, 976.8, 1990.0, 0.0); (391469.1, 3812492.8, 975.8, 1990.0, 0.0);
(391480.3, 3812471.3, 971.7, 1990.0, 0.0); (391491.4, 3812449.8, 965.4, 1990.0, 0.0);
(391502.6, 3812428.3, 961.7, 1990.0, 0.0); (391513.7, 3812406.8, 961.2, 1990.0, 0.0);
(391524.9, 3812385.3, 960.8, 1990.0, 0.0); (391536.0, 3812363.8, 961.6, 1990.0, 0.0);

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    ( 391547.2, 3812342.3,     965.4,    1990.0,       0.0);         ( 391558.3,
3812320.8,     969.9,    1990.0,       0.0);
    ( 391569.5, 3812299.3,     975.5,    1990.0,       0.0);         ( 391580.7,
3812277.8,     981.6,    1990.0,       0.0);
    ( 391591.8, 3812256.3,     978.6,    1990.0,       0.0);         ( 391603.0,
3812234.8,     967.2,    1990.0,       0.0);
    ( 391614.1, 3812213.3,     953.5,    1990.0,       0.0);         ( 391625.3,
3812191.8,     944.3,    1990.0,       0.0);
    ( 391636.4, 3812170.3,     934.6,    1990.0,       0.0);         ( 391647.6,
3812148.8,     929.1,    1990.0,       0.0);
    ( 391658.7, 3812127.3,     921.0,    1990.0,       0.0);         ( 391669.9,
3812105.8,     915.9,    1990.0,       0.0);
    ( 391681.0, 3812084.3,     914.9,    1990.0,       0.0);         ( 391715.9,
3812057.5,     932.4,    1990.0,       0.0);
    ( 391739.5, 3812052.2,     930.6,    1990.0,       0.0);         ( 391763.1,
3812047.0,     919.7,    1990.0,       0.0);
    ( 391786.8, 3812041.7,     912.0,    1990.0,       0.0);         ( 391810.4,
3812036.5,     909.8,    1990.0,       0.0);
    ( 391834.1, 3812031.2,     905.3,    1990.0,       0.0);         ( 391857.7,
3812025.9,     900.7,    1990.0,       0.0);
    ( 391881.4, 3812020.7,     903.0,    1990.0,       0.0);         ( 391905.0,
3812015.4,     903.7,    1990.0,       0.0);
    ( 391928.7, 3812010.2,     902.1,    1990.0,       0.0);         ( 391952.3,
3812004.9,     905.3,    1990.0,       0.0);
    ( 391976.0, 3811999.6,     909.0,    1990.0,       0.0);         ( 391999.6,
3811994.4,     910.5,    1990.0,       0.0);
    ( 392023.3, 3811989.1,     910.9,    1990.0,       0.0);         ( 392046.9,
3811983.9,     910.6,    1990.0,       0.0);
    ( 392070.5, 3811978.6,     912.1,    1990.0,       0.0);         ( 392094.2,
3811973.3,     910.4,    1990.0,       0.0);
    ( 392117.8, 3811968.1,     908.9,    1990.0,       0.0);         ( 392141.5,
3811962.8,     908.0,    1990.0,       0.0);
    ( 392165.1, 3811957.6,     907.9,    1990.0,       0.0);         ( 392188.8,
3811952.3,     911.0,    1990.0,       0.0);
    ( 392212.4, 3811947.0,     913.4,    1990.0,       0.0);         ( 392236.1,
3811941.8,     915.4,    1990.0,       0.0);
    ( 392259.7, 3811936.5,     915.8,    1990.0,       0.0);         ( 392283.4,
3811931.3,     915.0,    1990.0,       0.0);
    ( 392307.0, 3811926.0,     915.5,    1990.0,       0.0);         ( 392330.7,
3811920.8,     915.9,    1990.0,       0.0);
    ( 392354.3, 3811915.5,     918.7,    1990.0,       0.0);         ( 392378.0,
3811910.2,     923.2,    1990.0,       0.0);
    ( 392401.6, 3811905.0,     924.9,    1990.0,       0.0);         ( 392425.2,
3811899.7,     922.8,    1990.0,       0.0);
    ( 392448.9, 3811894.4,     924.3,    1990.0,       0.0);         ( 392472.5,
3811889.2,     928.6,    1990.0,       0.0);
    ( 392496.2, 3811883.9,     931.6,    1990.0,       0.0);         ( 392519.8,
3811878.7,     933.9,    1990.0,       0.0);
    ( 392543.5, 3811873.4,     936.7,    1990.0,       0.0);         ( 392567.1,
3811868.2,     940.4,    1990.0,       0.0);
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(392590.8, 3811862.9, 942.4, 1990.0, 0.0); (392614.4, 3811857.6, 944.3, 1990.0, 0.0);
(392638.1, 3811852.4, 947.4, 1990.0, 0.0); (392661.7, 3811847.1, 949.6, 1990.0, 0.0);
(392685.4, 3811841.9, 951.2, 1990.0, 0.0); (392709.0, 3811836.6, 952.3, 1990.0, 0.0);
(392732.6, 3811831.3, 952.6, 1990.0, 0.0); (392756.3, 3811826.1, 952.6, 1990.0, 0.0);
(392779.9, 3811820.8, 953.8, 1990.0, 0.0); (392803.6, 3811815.6, 955.5, 1990.0, 0.0);
(392827.2, 3811810.3, 958.4, 1990.0, 0.0); (392850.9, 3811805.0, 961.1, 1990.0, 0.0);
(392874.5, 3811799.8, 963.6, 1990.0, 0.0); (392898.2, 3811794.5, 966.0, 1990.0, 0.0);
(392921.8, 3811789.3, 968.2, 1990.0, 0.0); (392945.5, 3811784.0, 970.7, 1990.0, 0.0);
(392969.1, 3811778.8, 973.4, 1990.0, 0.0); (392992.8, 3811773.5, 976.0, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(393016.4, 3811768.2, 978.7, 1990.0, 0.0); (393040.0, 3811763.0, 981.8, 1990.0, 0.0);
(393063.7, 3811757.7, 984.6, 1990.0, 0.0); (393087.3, 3811752.4, 990.5, 1990.0, 0.0);
(393111.0, 3811747.2, 996.4, 1990.0, 0.0); (393134.6, 3811741.9, 998.4, 1990.0, 0.0);
(393158.3, 3811736.7, 1001.5, 1990.0, 0.0); (393181.9, 3811731.4, 1013.3, 1990.0, 0.0);
(393205.6, 3811726.1, 1027.3, 1990.0, 0.0); (393229.2, 3811720.9, 1038.2, 1990.0, 0.0);
(393252.9, 3811715.6, 1040.7, 1990.0, 0.0); (393276.5, 3811710.4, 1045.9, 1990.0, 0.0);
(393300.2, 3811705.1, 1059.1, 1990.0, 0.0); (393323.8, 3811699.8, 1076.3, 1990.0, 0.0);
(393347.5, 3811694.6, 1091.8, 1990.0, 0.0); (393371.1, 3811689.3, 1101.0, 1990.0, 0.0);
(393394.8, 3811684.1, 1102.1, 1990.0, 0.0); (393418.4, 3811678.8, 1101.6, 1990.0, 0.0);
(393442.0, 3811673.5, 1104.3, 1990.0, 0.0); (393465.7, 3811668.3, 1103.0, 1990.0, 0.0);

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     ( 393489.3, 3811663.0,    1099.2,    1990.0,       0.0);         ( 393513.0,
3811657.8,    1097.3,    1990.0,       0.0);
     ( 393536.6, 3811652.5,    1098.1,    1990.0,       0.0);         ( 393560.3,
3811647.3,    1099.6,    1990.0,       0.0);
     ( 393583.9, 3811642.0,    1097.8,    1990.0,       0.0);         ( 393607.6,
3811636.7,    1089.9,    1990.0,       0.0);
     ( 393631.2, 3811631.5,    1077.2,    1990.0,       0.0);         ( 393654.9,
3811626.2,    1063.6,    1990.0,       0.0);
     ( 393678.5, 3811621.0,    1050.5,    1990.0,       0.0);         ( 393702.1,
3811615.7,    1037.8,    1990.0,       0.0);
     ( 393725.8, 3811610.4,    1026.2,    1990.0,       0.0);         ( 393749.4,
3811605.2,    1018.3,    1990.0,       0.0);
     ( 393773.1, 3811599.9,    1011.0,    1990.0,       0.0);         ( 393796.7,
3811594.7,    1005.7,    1990.0,       0.0);
     ( 393820.4, 3811589.4,    1003.0,    1990.0,       0.0);         ( 393844.0,
3811584.1,     999.2,    1990.0,       0.0);
     ( 393867.7, 3811578.9,     994.8,    1990.0,       0.0);         ( 393891.3,
3811573.6,     989.6,    1990.0,       0.0);
     ( 393915.0, 3811568.4,     984.8,    1990.0,       0.0);         ( 393938.6,
3811563.1,     980.4,    1990.0,       0.0);
     ( 393962.3, 3811557.8,     976.2,    1990.0,       0.0);         ( 393985.9,
3811552.6,     974.6,    1990.0,       0.0);
     ( 394009.5, 3811547.3,     972.9,    1990.0,       0.0);         ( 394033.2,
3811542.1,     970.0,    1990.0,       0.0);
     ( 394056.8, 3811536.8,     975.5,    1990.0,       0.0);         ( 394080.5,
3811531.5,     974.2,    1990.0,       0.0);
     ( 394104.1, 3811526.3,     970.4,    1990.0,       0.0);         ( 394127.8,
3811521.0,     968.4,    2061.5,       0.0);
     ( 394151.4, 3811515.8,     968.3,    2061.5,       0.0);         ( 394175.1,
3811510.5,     966.3,    2083.7,       0.0);
     ( 394198.7, 3811505.2,     961.0,    2084.7,       0.0);         ( 394222.4,
3811500.0,     964.1,    2084.7,       0.0);
     ( 394246.0, 3811494.7,     964.1,    2084.7,       0.0);         ( 394269.7,
3811489.5,     963.5,    2084.7,       0.0);
     ( 394293.3, 3811484.2,     969.4,    2084.7,       0.0);         ( 394317.0,
3811478.9,     973.9,    2084.7,       0.0);
     ( 394340.6, 3811473.7,     977.8,    2084.7,       0.0);         ( 394364.2,
3811468.4,     983.3,    2084.7,       0.0);
     ( 394387.9, 3811463.2,     989.0,    2083.7,       0.0);         ( 394411.5,
3811457.9,     986.6,    2084.7,       0.0);
     ( 394435.2, 3811452.6,     979.0,    2084.7,       0.0);         ( 394458.8,
3811447.4,     973.4,    2084.7,       0.0);
     ( 394482.5, 3811442.1,     968.9,    2084.7,       0.0);         ( 394506.1,
3811436.9,     963.6,    2084.7,       0.0);
     ( 394529.8, 3811431.6,     954.0,    2086.2,       0.0);         ( 394553.4,
3811426.4,     951.6,    2170.7,       0.0);
     ( 394577.1, 3811421.1,     958.6,    2086.2,       0.0);         ( 394600.7,
3811415.8,     966.5,    2084.7,       0.0);
     ( 394624.4, 3811410.6,     969.0,    2084.7,       0.0);         ( 394648.0,
3811405.3,     969.2,    2086.2,       0.0);
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(394671.6, 3811400.1, 968.9, 2086.2, 0.0); (394695.3, 3811394.8, 968.0, 2086.2, 0.0);
(394719.0, 3811389.5, 967.8, 2170.7, 0.0); (394742.6, 3811384.3, 968.8, 2170.7, 0.0);
(394766.2, 3811379.0, 968.4, 2170.7, 0.0); (394789.9, 3811373.8, 966.3, 2170.7, 0.0);
(394813.5, 3811368.5, 966.9, 2170.7, 0.0); (394837.2, 3811363.2, 968.5, 2170.7, 0.0);
(394860.8, 3811358.0, 970.3, 2170.7, 0.0); (394884.5, 3811352.7, 970.3, 2170.7, 0.0);
(394908.1, 3811347.5, 969.5, 2170.7, 0.0); (394931.8, 3811342.2, 969.2, 2170.7, 0.0);
(394955.4, 3811336.9, 969.8, 2170.7, 0.0); (394979.1, 3811331.7, 970.5, 2170.7, 0.0);
(395002.7, 3811326.4, 970.5, 2170.7, 0.0); (395026.3, 3811321.2, 969.4, 2170.7, 0.0);
(395050.0, 3811315.9, 968.8, 2170.7, 0.0); (395073.6, 3811310.6, 964.6, 2170.7, 0.0);
(395097.3, 3811305.4, 961.7, 2170.7, 0.0); (395120.9, 3811300.1, 960.8, 2170.7, 0.0);

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

(395144.6, 3811294.9, 961.5, 2170.7, 0.0); (395168.2, 3811289.6, 959.4, 2170.7, 0.0);
(395191.9, 3811284.3, 959.3, 2170.7, 0.0); (395215.5, 3811279.1, 959.0, 2170.7, 0.0);
(395239.2, 3811273.8, 959.2, 2170.7, 0.0); (395262.8, 3811268.6, 961.1, 2170.7, 0.0);
(395286.5, 3811263.3, 963.1, 2170.7, 0.0); (395310.1, 3811258.0, 965.7, 2170.7, 0.0);
(395333.8, 3811252.8, 969.8, 2170.7, 0.0); (395357.4, 3811247.5, 973.1, 2170.7, 0.0);
(395381.0, 3811242.3, 972.8, 2170.7, 0.0); (395404.7, 3811237.0, 973.4, 2170.7, 0.0);
(395428.3, 3811231.8, 974.0, 2170.7, 0.0); (395452.0, 3811226.5, 972.7, 2170.7, 0.0);
(395475.6, 3811221.2, 970.9, 2170.7, 0.0); (395499.3, 3811216.0, 970.8, 2170.7, 0.0);
(395522.9, 3811210.7, 970.3, 2170.7, 0.0); (395546.6, 3811205.5, 970.5, 2170.7, 0.0);

```
     ( 395570.2, 3811200.2,     971.9,    2170.7,       0.0);         ( 395593.9,
3811194.9,     972.7,    2170.7,       0.0);
     ( 395617.5, 3811189.7,     973.3,    2170.7,       0.0);         ( 395641.1,
3811184.4,     974.3,    2170.7,       0.0);
     ( 395664.8, 3811179.2,     976.4,    2170.7,       0.0);         ( 395688.5,
3811173.9,     979.1,    2170.7,       0.0);
     ( 395712.1, 3811168.6,     983.3,    2170.7,       0.0);         ( 395735.7,
3811163.4,     985.4,    2170.7,       0.0);
     ( 395759.4, 3811158.1,     987.1,    2170.7,       0.0);         ( 395783.0,
3811152.9,     990.1,    2170.7,       0.0);
     ( 395806.7, 3811147.6,     993.4,    2170.7,       0.0);         ( 395830.3,
3811142.3,     995.6,    2170.7,       0.0);
     ( 395854.0, 3811137.1,     996.8,    2170.7,       0.0);         ( 395877.6,
3811131.8,     997.7,    2170.7,       0.0);
     ( 395901.3, 3811126.6,     998.3,    2170.7,       0.0);         ( 389673.2,
3815954.8,     847.5,    1981.2,       0.0);
     ( 389672.2, 3815979.0,     847.2,    1981.2,       0.0);         ( 389671.2,
3816003.2,     846.9,    1981.2,       0.0);
     ( 389670.1, 3816027.4,     846.9,    1981.2,       0.0);         ( 389669.1,
3816051.6,     847.5,    1981.2,       0.0);
     ( 389668.1, 3816075.9,     848.2,    1958.8,       0.0);         ( 389667.1,
3816100.1,     849.4,    1958.8,       0.0);
     ( 388352.2, 3815877.6,     914.5,    1258.9,       0.0);         ( 388363.3,
3815856.1,     909.1,    1258.9,       0.0);
     ( 388374.4, 3815834.7,     903.1,    1258.9,       0.0);         ( 388385.6,
3815813.2,     898.7,    1258.9,       0.0);
     ( 388396.7, 3815791.8,     894.8,    1258.9,       0.0);         ( 388407.8,
3815770.3,     891.0,    1258.9,       0.0);
     ( 388419.0, 3815748.8,     888.2,    1937.2,       0.0);         ( 388430.1,
3815727.4,     886.8,    1939.6,       0.0);
     ( 388441.2, 3815705.9,     886.7,    1939.6,       0.0);         ( 388452.4,
3815684.4,     886.6,    1939.6,       0.0);
     ( 388463.5, 3815663.0,     885.5,    1939.6,       0.0);         ( 388474.6,
3815641.5,     884.5,    1939.6,       0.0);
     ( 388485.8, 3815620.1,     883.5,    1939.6,       0.0);         ( 388496.9,
3815598.6,     882.9,    1939.6,       0.0);
     ( 388508.0, 3815577.1,     880.0,    1958.8,       0.0);         ( 388519.2,
3815555.7,     878.7,    1958.8,       0.0);
     ( 388530.3, 3815534.2,     876.8,    1958.8,       0.0);         ( 388541.4,
3815512.8,     874.3,    1981.2,       0.0);
     ( 388552.6, 3815491.3,     874.9,    1981.2,       0.0);         ( 388563.7,
3815469.8,     876.1,    1981.2,       0.0);
     ( 388574.8, 3815448.4,     877.2,    1981.2,       0.0);         ( 388586.0,
3815426.9,     878.0,    1981.2,       0.0);
     ( 388597.1, 3815405.4,     878.4,    1981.2,       0.0);         ( 388608.2,
3815384.0,     878.5,    1981.2,       0.0);
     ( 388619.4, 3815362.5,     878.6,    1981.2,       0.0);         ( 388630.5,
3815341.1,     878.1,    1981.2,       0.0);
     ( 388641.6, 3815319.6,     877.3,    1981.2,       0.0);         ( 388652.8,
3815298.1,     877.2,    1982.9,       0.0);
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(388663.9, 3815276.7, 876.3, 1987.3, 0.0); (388675.0, 3815255.2, 875.3, 1989.0, 0.0);
(388686.2, 3815233.8, 875.7, 1990.0, 0.0); (388697.3, 3815212.3, 876.9, 1990.0, 0.0);
(388708.4, 3815190.8, 878.7, 1990.0, 0.0); (388719.6, 3815169.4, 880.0, 1990.0, 0.0);
(388730.7, 3815147.9, 881.4, 1990.0, 0.0); (388741.8, 3815126.4, 883.2, 1990.0, 0.0);
(388753.0, 3815105.0, 883.8, 1990.0, 0.0); (388764.1, 3815083.5, 885.1, 1990.0, 0.0);
(388775.2, 3815062.1, 886.9, 1990.0, 0.0); (388786.4, 3815040.6, 888.7, 1990.0, 0.0);
(388797.5, 3815019.1, 889.1, 1990.0, 0.0); (388808.6, 3814997.7, 889.5, 1990.0, 0.0);
(388819.8, 3814976.2, 889.6, 1990.0, 0.0); (388830.9, 3814954.8, 885.8, 1990.0, 0.0);
(388842.0, 3814933.3, 884.1, 1990.0, 0.0); (388853.1, 3814911.8, 883.0, 1990.0, 0.0);
(388864.3, 3814890.4, 883.8, 1990.0, 0.0); (388875.4, 3814868.9, 887.3, 1990.0, 0.0);
(388886.5, 3814847.4, 893.2, 1990.0, 0.0); (388897.7, 3814826.0, 903.6, 1990.0, 0.0);

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

(388908.8, 3814804.5, 909.9, 1990.0, 0.0); (388920.0, 3814783.1, 914.8, 1990.0, 0.0);
(388931.1, 3814761.6, 919.3, 1990.0, 0.0); (388942.2, 3814740.1, 921.7, 1990.0, 0.0);
(388953.3, 3814718.7, 924.9, 1990.0, 0.0); (388964.5, 3814697.2, 931.3, 1990.0, 0.0);
(388975.6, 3814675.8, 939.2, 1989.0, 0.0); (388986.8, 3814654.3, 944.6, 1987.3, 0.0);
(388997.9, 3814632.8, 945.3, 1989.0, 0.0); (389009.0, 3814611.4, 941.5, 1990.0, 0.0);
(389020.1, 3814589.9, 931.2, 1990.0, 0.0); (389031.3, 3814568.4, 922.1, 1990.0, 0.0);
(389042.4, 3814547.0, 911.9, 1990.0, 0.0); (389053.5, 3814525.5, 904.3, 1990.0, 0.0);
(389064.7, 3814504.1, 898.5, 1990.0, 0.0); (389075.8, 3814482.6, 894.5, 1990.0, 0.0);

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    ( 389087.0, 3814461.1,     892.3,    1990.0,       0.0);         ( 389098.1,
3814439.7,     891.0,    1990.0,       0.0);
    ( 389109.2, 3814418.2,     890.9,    1990.0,       0.0);         ( 389120.3,
3814396.8,     892.5,    1990.0,       0.0);
    ( 389131.5, 3814375.3,     891.1,    1990.0,       0.0);         ( 389142.6,
3814353.8,     889.2,    1990.0,       0.0);
    ( 389153.8, 3814332.4,     887.4,    1990.0,       0.0);         ( 389164.9,
3814310.9,     887.1,    1990.0,       0.0);
    ( 389176.0, 3814289.4,     887.0,    1990.0,       0.0);         ( 389187.1,
3814268.0,     886.8,    1990.0,       0.0);
    ( 389198.3, 3814246.5,     886.9,    1990.0,       0.0);         ( 389209.4,
3814225.1,     894.5,    1990.0,       0.0);
    ( 389220.5, 3814203.6,     908.9,    1990.0,       0.0);         ( 389231.7,
3814182.1,     912.3,    1990.0,       0.0);
    ( 389242.8, 3814160.7,     915.3,    1990.0,       0.0);         ( 389254.0,
3814139.2,     919.3,    1990.0,       0.0);
    ( 389265.1, 3814117.8,     916.4,    1990.0,       0.0);         ( 389276.2,
3814096.3,     911.5,    1990.0,       0.0);
    ( 389287.3, 3814074.8,     905.4,    1990.0,       0.0);         ( 389298.5,
3814053.4,     902.7,    1990.0,       0.0);
    ( 389309.6, 3814031.9,     902.6,    1990.0,       0.0);         ( 389320.8,
3814010.4,     905.2,    1990.0,       0.0);
    ( 389331.9, 3813989.0,     908.8,    1990.0,       0.0);         ( 389343.0,
3813967.5,     912.6,    1990.0,       0.0);
    ( 389354.1, 3813946.1,     916.0,    1990.0,       0.0);         ( 389365.3,
3813924.6,     918.2,    1990.0,       0.0);
    ( 389376.4, 3813903.1,     918.8,    1990.0,       0.0);         ( 389387.5,
3813881.7,     916.6,    1990.0,       0.0);
    ( 389398.7, 3813860.2,     914.2,    1990.0,       0.0);         ( 389409.8,
3813838.8,     915.0,    1990.0,       0.0);
    ( 389421.0, 3813817.3,     917.5,    1990.0,       0.0);         ( 389432.1,
3813795.8,     921.4,    1990.0,       0.0);
    ( 389443.2, 3813774.4,     918.2,    1990.0,       0.0);         ( 389454.3,
3813752.9,     912.6,    1990.0,       0.0);
    ( 389465.5, 3813731.4,     908.0,    1990.0,       0.0);         ( 389476.6,
3813710.0,     904.8,    1990.0,       0.0);
    ( 389487.8, 3813688.5,     905.3,    1990.0,       0.0);         ( 389498.9,
3813667.1,     912.5,    1990.0,       0.0);
    ( 389510.0, 3813645.6,     922.2,    1990.0,       0.0);         ( 389521.1,
3813624.1,     927.9,    1990.0,       0.0);
    ( 389532.3, 3813602.7,     931.7,    1990.0,       0.0);         ( 389543.4,
3813581.2,     934.6,    1990.0,       0.0);
    ( 389554.5, 3813559.8,     934.0,    1990.0,       0.0);         ( 389565.7,
3813538.3,     928.7,    1990.0,       0.0);
    ( 389576.8, 3813516.8,     922.5,    1990.0,       0.0);         ( 389588.0,
3813495.4,     919.5,    1990.0,       0.0);
    ( 389599.1, 3813473.9,     909.8,    1990.0,       0.0);         ( 389610.2,
3813452.4,     900.4,    1990.0,       0.0);
    ( 389621.3, 3813431.0,     888.3,    1990.0,       0.0);         ( 389632.5,
3813409.5,     876.0,    1990.0,       0.0);
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(389643.6, 3813388.0, 865.8, 1990.0, 0.0); (389654.8, 3813366.6, 857.6, 1990.0, 0.0);
(389665.9, 3813345.1, 850.1, 1990.0, 0.0); (389677.0, 3813323.7, 844.1, 1990.0, 0.0);
(389688.1, 3813302.2, 838.8, 1990.0, 0.0); (389699.3, 3813280.8, 833.0, 1990.0, 0.0);
(389710.4, 3813259.3, 829.3, 1990.0, 0.0); (389721.5, 3813237.8, 823.8, 1990.0, 0.0);
(389732.7, 3813216.4, 819.1, 1990.0, 0.0); (389743.8, 3813194.9, 811.6, 1990.0, 0.0);
(389755.0, 3813173.4, 806.8, 1990.0, 0.0); (389766.1, 3813152.0, 804.4, 1990.0, 0.0);
(389777.2, 3813130.5, 803.3, 1990.0, 0.0); (389788.3, 3813109.0, 802.8, 1990.0, 0.0);
(389799.5, 3813087.6, 802.2, 1990.0, 0.0); (389810.6, 3813066.1, 801.8, 1990.0, 0.0);
(389821.8, 3813044.7, 802.0, 1990.0, 0.0); (389832.9, 3813023.2, 801.9, 1990.0, 0.0);
(389844.0, 3813001.8, 801.5, 1990.0, 0.0); (389855.1, 3812980.3, 801.1, 1990.0, 0.0);
(389866.3, 3812958.8, 800.9, 1990.0, 0.0); (389877.4, 3812937.4, 800.8, 1990.0, 0.0);
(389888.5, 3812915.9, 800.8, 1990.0, 0.0); (389899.7, 3812894.4, 800.9, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(389910.8, 3812873.0, 801.0, 1990.0, 0.0); (389922.0, 3812851.5, 801.1, 1990.0, 0.0);
(389933.1, 3812830.0, 801.0, 1990.0, 0.0); (389944.2, 3812808.6, 800.8, 1990.0, 0.0);
(389955.3, 3812787.1, 800.6, 1990.0, 0.0); (389966.5, 3812765.7, 800.6, 1990.0, 0.0);
(389977.6, 3812744.2, 800.4, 1990.0, 0.0); (389988.7, 3812722.8, 800.0, 1990.0, 0.0);
(389999.9, 3812701.3, 799.4, 1990.0, 0.0); (390011.0, 3812679.8, 799.0, 1990.0, 0.0);
(390022.1, 3812658.4, 798.8, 1990.0, 0.0); (390033.3, 3812636.9, 800.8, 1990.0, 0.0);
(390044.4, 3812615.4, 802.0, 1990.0, 0.0); (390055.5, 3812594.0, 801.5, 1990.0, 0.0);

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    ( 390066.7, 3812572.5,     800.8,    1990.0,       0.0);         ( 390077.8,
3812551.0,     800.8,    1990.0,       0.0);
    ( 390088.9, 3812529.6,     801.4,    1990.0,       0.0);         ( 390100.1,
3812508.1,     804.0,    1990.0,       0.0);
    ( 390111.2, 3812486.7,     806.7,    1990.0,       0.0);         ( 390122.3,
3812465.2,     810.0,    1990.0,       0.0);
    ( 390133.5, 3812443.7,     812.9,    1990.0,       0.0);         ( 390144.6,
3812422.3,     814.4,    1990.0,       0.0);
    ( 390155.7, 3812400.8,     815.2,    1990.0,       0.0);         ( 390166.9,
3812379.4,     814.6,    1990.0,       0.0);
    ( 390178.0, 3812357.9,     813.5,    1990.0,       0.0);         ( 390189.1,
3812336.4,     812.1,    1990.0,       0.0);
    ( 390200.3, 3812315.0,     811.3,    1990.0,       0.0);         ( 390211.4,
3812293.5,     810.8,    1990.0,       0.0);
    ( 390222.5, 3812272.0,     812.7,    1990.0,       0.0);         ( 390233.7,
3812250.6,     813.6,    1990.0,       0.0);
    ( 390244.8, 3812229.1,     820.3,    1990.0,       0.0);         ( 390255.9,
3812207.7,     824.8,    1990.0,       0.0);
    ( 390267.1, 3812186.2,     828.2,    1990.0,       0.0);         ( 390278.2,
3812164.7,     830.5,    1990.0,       0.0);
    ( 390289.3, 3812143.3,     831.5,    1990.0,       0.0);         ( 390300.5,
3812121.8,     832.1,    1990.0,       0.0);
    ( 390311.6, 3812100.4,     832.1,    1990.0,       0.0);         ( 390322.7,
3812078.9,     829.7,    1990.0,       0.0);
    ( 390333.9, 3812057.4,     826.6,    1990.0,       0.0);         ( 390345.0,
3812036.0,     823.2,    1990.0,       0.0);
    ( 390356.1, 3812014.5,     824.9,    1990.0,       0.0);         ( 390367.3,
3811993.0,     825.9,    1990.0,       0.0);
    ( 390378.4, 3811971.6,     825.9,    1990.0,       0.0);         ( 390389.5,
3811950.1,     824.8,    1990.0,       0.0);
    ( 390400.7, 3811928.7,     824.4,    1990.0,       0.0);         ( 390411.8,
3811907.2,     825.9,    1990.0,       0.0);
    ( 390422.9, 3811885.7,     831.8,    1990.0,       0.0);         ( 390434.1,
3811864.3,     832.1,    1990.0,       0.0);
    ( 390445.2, 3811842.8,     834.8,    1990.0,       0.0);         ( 390456.3,
3811821.4,     839.3,    1990.0,       0.0);
    ( 390467.5, 3811799.9,     842.8,    1990.0,       0.0);         ( 390478.6,
3811778.4,     843.8,    1990.0,       0.0);
    ( 390489.7, 3811757.0,     841.6,    1990.0,       0.0);         ( 390500.9,
3811735.5,     838.9,    1990.0,       0.0);
    ( 390512.0, 3811714.0,     840.4,    1990.0,       0.0);         ( 390523.1,
3811692.6,     846.2,    1990.0,       0.0);
    ( 390534.3, 3811671.1,     848.4,    1990.0,       0.0);         ( 390545.4,
3811649.7,     848.2,    1990.0,       0.0);
    ( 390556.5, 3811628.2,     847.5,    1990.0,       0.0);         ( 390567.7,
3811606.7,     851.9,    1990.0,       0.0);
    ( 390578.8, 3811585.3,     852.8,    1990.0,       0.0);         ( 390589.9,
3811563.8,     855.2,    1990.0,       0.0);
    ( 390601.1, 3811542.4,     859.5,    1990.0,       0.0);         ( 390612.2,
3811520.9,     859.5,    1990.0,       0.0);
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(390623.3, 3811499.4, 857.9, 1990.0, 0.0); (390634.5, 3811478.0, 852.2, 1990.0, 0.0);
(390645.6, 3811456.5, 847.5, 1990.0, 0.0); (390656.7, 3811435.0, 847.5, 1990.0, 0.0);
(390667.9, 3811413.6, 844.9, 1990.0, 0.0); (390679.0, 3811392.1, 845.3, 1990.0, 0.0);
(390690.1, 3811370.7, 845.1, 1990.0, 0.0); (390701.3, 3811349.2, 843.2, 1990.0, 0.0);
(390712.4, 3811327.7, 844.0, 1990.0, 0.0); (390723.5, 3811306.3, 840.5, 1990.0, 0.0);
(390734.7, 3811284.8, 839.1, 1990.0, 0.0); (390745.8, 3811263.4, 841.3, 1990.0, 0.0);
(390756.9, 3811241.9, 842.8, 1990.0, 0.0); (390768.1, 3811220.4, 844.6, 1990.0, 0.0);
(390779.2, 3811199.0, 846.4, 1990.0, 0.0); (390790.3, 3811177.5, 850.3, 1990.0, 0.0);
(390801.5, 3811156.0, 852.8, 1990.0, 0.0); (390812.6, 3811134.6, 854.8, 1990.0, 0.0);
(390823.7, 3811113.1, 854.8, 1990.0, 0.0); (390834.9, 3811091.7, 856.4, 1990.0, 0.0);
(390846.0, 3811070.2, 859.9, 1990.0, 0.0); (390857.1, 3811048.7, 864.8, 1990.0, 0.0);
(390868.3, 3811027.3, 867.9, 1990.0, 0.0); (390903.0, 3811000.6, 870.0, 1990.0, 0.0);
(390926.6, 3810995.3, 869.3, 1990.0, 0.0); (390950.2, 3810990.1, 870.1, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(390973.8, 3810984.8, 873.8, 1990.0, 0.0); (390997.4, 3810979.6, 878.2, 1990.0, 0.0);
(391021.0, 3810974.3, 882.2, 1990.0, 0.0); (391044.6, 3810969.1, 886.6, 1990.0, 0.0);
(391068.2, 3810963.8, 892.5, 1990.0, 0.0); (391091.8, 3810958.6, 897.6, 1990.0, 0.0);
(391115.4, 3810953.3, 899.6, 1990.0, 0.0); (391139.0, 3810948.1, 903.6, 1990.0, 0.0);
(391162.6, 3810942.8, 900.3, 1990.0, 0.0); (391186.2, 3810937.6, 903.6, 1990.0, 0.0);
(391209.8, 3810932.3, 908.4, 1990.0, 0.0); (391233.4, 3810927.1, 907.4, 1990.0, 0.0);

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     ( 391257.0, 3810921.8,     904.3,    1990.0,       0.0);         ( 391280.6,
3810916.6,     902.2,    1990.0,       0.0);
     ( 391304.2, 3810911.3,     902.2,    1990.0,       0.0);         ( 391327.8,
3810906.1,     907.2,    1990.0,       0.0);
     ( 391351.4, 3810900.8,     914.7,    1990.0,       0.0);         ( 391375.0,
3810895.6,     919.6,    1990.0,       0.0);
     ( 391398.6, 3810890.3,     925.3,    1990.0,       0.0);         ( 391422.2,
3810885.1,     930.4,    1990.0,       0.0);
     ( 391445.8, 3810879.8,     926.8,    1990.0,       0.0);         ( 391469.4,
3810874.6,     925.3,    1990.0,       0.0);
     ( 391493.0, 3810869.3,     928.0,    1990.0,       0.0);         ( 391516.6,
3810864.1,     931.9,    1990.0,       0.0);
     ( 391540.2, 3810858.8,     938.8,    1990.0,       0.0);         ( 391563.8,
3810853.6,     948.4,    1990.0,       0.0);
     ( 391587.4, 3810848.3,     956.0,    1990.0,       0.0);         ( 391611.0,
3810843.1,     957.9,    1990.0,       0.0);
     ( 391634.6, 3810837.8,     960.1,    1990.0,       0.0);         ( 391658.2,
3810832.6,     964.9,    1990.0,       0.0);
     ( 391681.8, 3810827.3,     968.0,    1990.0,       0.0);         ( 391705.4,
3810822.1,     965.9,    1990.0,       0.0);
     ( 391729.0, 3810816.8,     960.7,    1990.0,       0.0);         ( 391752.6,
3810811.6,     957.8,    1990.0,       0.0);
     ( 391776.2, 3810806.3,     954.5,    1990.0,       0.0);         ( 391799.8,
3810801.1,     954.8,    1990.0,       0.0);
     ( 391823.4, 3810795.8,     957.0,    1990.0,       0.0);         ( 391847.0,
3810790.6,     954.0,    1990.0,       0.0);
     ( 391870.6, 3810785.3,     949.5,    1990.0,       0.0);         ( 391894.2,
3810780.1,     947.8,    1990.0,       0.0);
     ( 391917.8, 3810774.8,     949.1,    1990.0,       0.0);         ( 391941.4,
3810769.6,     949.5,    1990.0,       0.0);
     ( 391965.0, 3810764.3,     949.7,    1990.0,       0.0);         ( 391988.6,
3810759.1,     950.8,    1990.0,       0.0);
     ( 392012.2, 3810753.8,     950.4,    1990.0,       0.0);         ( 392035.8,
3810748.6,     947.1,    1990.0,       0.0);
     ( 392059.4, 3810743.3,     945.7,    1990.0,       0.0);         ( 392083.0,
3810738.1,     943.3,    1990.0,       0.0);
     ( 392106.6, 3810732.8,     934.4,    1990.0,       0.0);         ( 392130.2,
3810727.6,     940.9,    1990.0,       0.0);
     ( 392153.8, 3810722.3,     945.1,    1990.0,       0.0);         ( 392177.4,
3810717.1,     939.5,    1990.0,       0.0);
     ( 392201.0, 3810711.8,     941.8,    1990.0,       0.0);         ( 392224.6,
3810706.6,     945.7,    1990.0,       0.0);
     ( 392248.2, 3810701.3,     948.7,    1990.0,       0.0);         ( 392271.8,
3810696.1,     947.4,    1990.0,       0.0);
     ( 392295.4, 3810690.9,     943.0,    1990.0,       0.0);         ( 392319.0,
3810685.6,     942.1,    1990.0,       0.0);
     ( 392342.6, 3810680.4,     947.0,    1990.0,       0.0);         ( 392366.2,
3810675.1,     947.4,    1990.0,       0.0);
     ( 392389.8, 3810669.9,     950.5,    1990.0,       0.0);         ( 392413.5,
3810664.6,     948.6,    1990.0,       0.0);
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(392437.0, 3810659.4, 947.3, 1990.0, 0.0); (392460.6, 3810654.1, 945.8, 1990.0, 0.0);
(392484.2, 3810648.9, 952.2, 1990.0, 0.0); (392507.8, 3810643.6, 958.1, 1990.0, 0.0);
(392531.5, 3810638.4, 965.0, 1990.0, 0.0); (392555.0, 3810633.1, 965.0, 1990.0, 0.0);
(392578.6, 3810627.9, 968.3, 1990.0, 0.0); (392602.2, 3810622.6, 969.4, 1990.0, 0.0);
(392625.8, 3810617.4, 969.2, 1990.0, 0.0); (392649.5, 3810612.1, 972.0, 1990.0, 0.0);
(392673.1, 3810606.9, 974.0, 1990.0, 0.0); (392696.7, 3810601.6, 975.0, 1990.0, 0.0);
(392720.3, 3810596.4, 975.3, 1990.0, 0.0); (392743.9, 3810591.1, 973.8, 1990.0, 0.0);
(392767.5, 3810585.9, 974.5, 1990.0, 0.0); (392791.1, 3810580.6, 978.4, 1990.0, 0.0);
(392814.7, 3810575.4, 981.0, 1990.0, 0.0); (392838.3, 3810570.1, 978.4, 1990.0, 0.0);
(392861.9, 3810564.9, 975.0, 1990.0, 0.0); (392885.5, 3810559.6, 979.3, 1990.0, 0.0);
(392909.1, 3810554.4, 983.5, 1990.0, 0.0); (392932.7, 3810549.1, 981.8, 1990.0, 0.0);
(392956.3, 3810543.9, 979.4, 1990.0, 0.0); (392979.9, 3810538.6, 980.4, 1990.0, 0.0);
(393003.5, 3810533.4, 982.7, 1990.0, 0.0); (393027.1, 3810528.1, 984.9, 1990.0, 0.0);
(393050.7, 3810522.9, 988.4, 1990.0, 0.0); (393074.3, 3810517.6, 990.8, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(393097.9, 3810512.4, 991.7, 1990.0, 0.0); (393121.5, 3810507.1, 993.3, 1990.0, 0.0);
(393145.1, 3810501.9, 995.0, 1990.0, 0.0); (393168.7, 3810496.6, 994.5, 1990.0, 0.0);
(393192.3, 3810491.4, 993.9, 1990.0, 0.0); (393215.9, 3810486.1, 995.6, 1990.0, 0.0);
(393239.5, 3810480.9, 997.4, 1990.0, 0.0); (393263.1, 3810475.6, 999.1, 1990.0, 0.0);
(393286.7, 3810470.4, 1002.5, 1990.0, 0.0); (393310.3, 3810465.1, 1005.9, 1990.0, 0.0);

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    ( 393333.9, 3810459.9,    1009.1,    1990.0,       0.0);         ( 393357.5,
3810454.6,    1012.3,    1990.0,       0.0);
    ( 393381.1, 3810449.4,    1016.4,    1990.0,       0.0);         ( 393404.7,
3810444.1,    1021.1,    1990.0,       0.0);
    ( 393428.3, 3810438.9,    1026.8,    1990.0,       0.0);         ( 393451.9,
3810433.6,    1028.9,    1990.0,       0.0);
    ( 393475.5, 3810428.4,    1034.2,    1990.0,       0.0);         ( 393499.1,
3810423.1,    1039.9,    1990.0,       0.0);
    ( 393522.7, 3810417.9,    1042.1,    1990.0,       0.0);         ( 393546.3,
3810412.6,    1038.4,    1990.0,       0.0);
    ( 393569.9, 3810407.4,    1032.9,    1990.0,       0.0);         ( 393593.5,
3810402.1,    1031.2,    1990.0,       0.0);
    ( 393617.1, 3810396.9,    1033.6,    1990.0,       0.0);         ( 393640.7,
3810391.6,    1034.5,    1990.0,       0.0);
    ( 393664.3, 3810386.4,    1032.6,    1990.0,       0.0);         ( 393687.9,
3810381.1,    1029.5,    1990.0,       0.0);
    ( 393711.5, 3810375.9,    1028.3,    1990.0,       0.0);         ( 393735.1,
3810370.6,    1026.1,    1990.0,       0.0);
    ( 393758.7, 3810365.4,    1024.5,    1990.0,       0.0);         ( 393782.3,
3810360.1,    1023.6,    1990.0,       0.0);
    ( 393805.9, 3810354.9,    1023.1,    1990.0,       0.0);         ( 393829.5,
3810349.6,    1022.5,    1990.0,       0.0);
    ( 393853.1, 3810344.4,    1022.0,    1990.0,       0.0);         ( 393876.7,
3810339.1,    1022.1,    1990.0,       0.0);
    ( 393900.3, 3810333.9,    1022.0,    1990.0,       0.0);         ( 393923.9,
3810328.6,    1021.0,    1990.0,       0.0);
    ( 393947.5, 3810323.4,    1019.7,    1990.0,       0.0);         ( 393971.1,
3810318.1,    1018.8,    2003.3,       0.0);
    ( 393994.7, 3810312.9,    1019.5,    2003.6,       0.0);         ( 394018.3,
3810307.6,    1020.3,    2060.8,       0.0);
    ( 394041.9, 3810302.4,    1020.5,    2061.5,       0.0);         ( 394065.5,
3810297.1,    1020.9,    2061.5,       0.0);
    ( 394089.1, 3810291.9,    1023.0,    2061.5,       0.0);         ( 394112.7,
3810286.6,    1024.4,    2061.5,       0.0);
    ( 394136.3, 3810281.4,    1025.0,    2083.7,       0.0);         ( 394159.9,
3810276.2,    1025.1,    2084.7,       0.0);
    ( 394183.5, 3810270.9,    1024.9,    2084.7,       0.0);         ( 394207.1,
3810265.7,    1024.7,    2084.7,       0.0);
    ( 394230.7, 3810260.4,    1024.2,    2084.7,       0.0);         ( 394254.3,
3810255.2,    1023.6,    2084.7,       0.0);
    ( 394277.9, 3810249.9,    1022.3,    2084.7,       0.0);         ( 394301.5,
3810244.7,    1018.3,    2084.7,       0.0);
    ( 394325.1, 3810239.4,    1015.0,    2084.7,       0.0);         ( 394348.7,
3810234.2,    1014.8,    2084.7,       0.0);
    ( 394372.3, 3810228.9,    1018.8,    2084.7,       0.0);         ( 394395.9,
3810223.7,    1025.1,    2084.7,       0.0);
    ( 394419.5, 3810218.4,    1025.2,    2084.7,       0.0);         ( 394443.1,
3810213.2,    1025.5,    2084.7,       0.0);
    ( 394466.7, 3810207.9,    1027.0,    2084.7,       0.0);         ( 394490.3,
3810202.7,    1028.5,    2084.7,       0.0);
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(394513.9, 3810197.4, 1029.5, 2084.7, 0.0); (394537.5, 3810192.2, 1030.7, 2084.7, 0.0);
(394561.1, 3810186.9, 1032.1, 2084.7, 0.0); (394584.7, 3810181.7, 1033.4, 2084.7, 0.0);
(394608.3, 3810176.4, 1034.2, 2084.7, 0.0); (394631.9, 3810171.2, 1035.0, 2084.7, 0.0);
(394655.5, 3810165.9, 1036.0, 2084.7, 0.0); (394679.1, 3810160.7, 1036.8, 2084.7, 0.0);
(394702.7, 3810155.4, 1037.0, 2084.7, 0.0); (394726.3, 3810150.2, 1038.1, 2086.2, 0.0);
(394749.9, 3810144.9, 1038.2, 2086.2, 0.0); (394773.5, 3810139.7, 1037.5, 2086.2, 0.0);
(394797.1, 3810134.4, 1038.5, 2086.2, 0.0); (394820.7, 3810129.2, 1041.2, 2086.2, 0.0);
(394844.3, 3810123.9, 1044.8, 2086.2, 0.0); (394867.9, 3810118.7, 1048.6, 2086.2, 0.0);
(394891.5, 3810113.4, 1051.7, 2086.2, 0.0); (394915.1, 3810108.2, 1054.7, 2086.2, 0.0);
(394938.7, 3810102.9, 1058.1, 2086.2, 0.0); (394962.3, 3810097.7, 1060.3, 2086.2, 0.0);
(394985.9, 3810092.4, 1059.3, 2086.2, 0.0); (395009.5, 3810087.2, 1056.1, 2170.7, 0.0);
(395033.1, 3810081.9, 1052.5, 2170.7, 0.0); (395056.7, 3810076.7, 1052.5, 2170.7, 0.0);
(395080.3, 3810071.4, 1053.4, 2170.7, 0.0); (395103.9, 3810066.2, 1055.5, 2170.7, 0.0);
(395127.5, 3810060.9, 1057.9, 2170.7, 0.0); (395151.1, 3810055.7, 1060.8, 2170.7, 0.0);
(395174.7, 3810050.4, 1063.0, 2170.7, 0.0); (395198.3, 3810045.2, 1063.5, 2170.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(395221.9, 3810039.9, 1063.8, 2170.7, 0.0); (395245.5, 3810034.7, 1068.3, 2170.7, 0.0);
(395269.1, 3810029.4, 1072.0, 2170.7, 0.0); (395292.7, 3810024.2, 1074.1, 2170.7, 0.0);
(395316.3, 3810018.9, 1076.7, 2170.7, 0.0); (395339.9, 3810013.7, 1078.3, 2170.7, 0.0);
(395363.5, 3810008.4, 1084.7, 2170.7, 0.0); (395387.1, 3810003.2, 1097.3, 2086.2, 0.0);

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    ( 395410.7, 3809997.9,    1105.6,    2086.2,       0.0);         ( 395434.3,
3809992.7,    1113.1,    2084.7,       0.0);
    ( 395457.9, 3809987.4,    1118.9,    2084.7,       0.0);         ( 395481.5,
3809982.2,    1125.6,    2084.7,       0.0);
    ( 395505.1, 3809976.9,    1126.1,    2084.7,       0.0);         ( 395528.7,
3809971.7,    1119.5,    2084.7,       0.0);
    ( 395552.3, 3809966.4,    1114.7,    2086.2,       0.0);         ( 395575.9,
3809961.2,    1115.7,    2086.2,       0.0);
    ( 395599.5, 3809955.9,    1118.3,    2086.2,       0.0);         ( 395623.1,
3809950.7,    1118.9,    2170.7,       0.0);
    ( 395646.7, 3809945.4,    1118.8,    2170.7,       0.0);         ( 395670.3,
3809940.2,    1121.4,    2170.7,       0.0);
    ( 395693.9, 3809934.9,    1124.0,    2170.7,       0.0);         ( 395717.5,
3809929.7,    1125.2,    2170.7,       0.0);
    ( 395741.1, 3809924.4,    1127.0,    2170.7,       0.0);         ( 395764.8,
3809919.2,    1129.0,    2170.7,       0.0);
    ( 395788.3, 3809913.9,    1132.9,    2170.7,       0.0);         ( 395812.0,
3809908.7,    1138.4,    2086.2,       0.0);
    ( 395835.5, 3809903.4,    1137.7,    2170.7,       0.0);         ( 395859.1,
3809898.2,    1130.7,    2170.7,       0.0);
    ( 395882.8, 3809892.9,    1125.4,    2170.7,       0.0);         ( 395906.3,
3809887.7,    1125.2,    2170.7,       0.0);
    ( 395930.0, 3809882.4,    1127.9,    2170.7,       0.0);         ( 395953.5,
3809877.2,    1129.6,    2170.7,       0.0);
    ( 395977.1, 3809871.9,    1131.0,    2170.7,       0.0);         ( 396000.8,
3809866.7,    1133.7,    2170.7,       0.0);
    ( 396024.3, 3809861.4,    1134.6,    2170.7,       0.0);         ( 396048.0,
3809856.2,    1134.8,    2170.7,       0.0);
    ( 396071.6, 3809851.0,    1132.8,    2170.7,       0.0);         ( 396095.2,
3809845.7,    1129.4,    2170.7,       0.0);
    ( 396118.8, 3809840.5,    1125.1,    2170.7,       0.0);         ( 396142.4,
3809835.2,    1120.6,    2170.7,       0.0);
    ( 396166.0, 3809830.0,    1114.8,    2170.7,       0.0);         ( 396189.6,
3809824.7,    1108.7,    2170.7,       0.0);
    ( 388341.0, 3815899.1,     919.1,    1258.9,       0.0);         ( 388340.0,
3815923.3,     917.9,    1258.9,       0.0);
    ( 388339.0, 3815947.5,     911.2,    1258.9,       0.0);         ( 388338.0,
3815971.7,     903.5,    1258.9,       0.0);
    ( 388337.0, 3815995.9,     897.4,    1258.9,       0.0);         ( 388336.0,
3816020.1,     893.3,    1258.9,       0.0);
    ( 388335.0, 3816044.3,     889.8,    1258.9,       0.0);         ( 387020.0,
3815821.9,     969.9,    1258.9,       0.0);
    ( 387031.1, 3815800.4,     971.2,    1258.9,       0.0);         ( 387042.2,
3815779.0,     972.9,    1258.9,       0.0);
    ( 387053.3, 3815757.6,     974.9,    1258.9,       0.0);         ( 387064.5,
3815736.1,     979.1,    1258.9,       0.0);
    ( 387075.6, 3815714.7,     984.1,    1258.9,       0.0);         ( 387086.7,
3815693.2,     986.6,    1258.9,       0.0);
    ( 387097.8, 3815671.8,     994.0,    1258.9,       0.0);         ( 387108.9,
3815650.4,    1000.6,    1258.9,       0.0);
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     ( 387120.0, 3815628.9,    1006.4,    1258.9,       0.0);         ( 387131.2,
3815607.5,    1008.9,    1258.9,       0.0);
     ( 387142.3, 3815586.1,    1009.8,    1258.9,       0.0);         ( 387153.4,
3815564.6,    1012.7,    1258.9,       0.0);
     ( 387164.5, 3815543.2,    1010.6,    1258.9,       0.0);         ( 387175.6,
3815521.8,    1007.1,    1258.9,       0.0);
     ( 387186.8, 3815500.3,    1013.9,    1258.9,       0.0);         ( 387197.9,
3815478.9,    1024.5,    1258.9,       0.0);
     ( 387209.0, 3815457.5,    1035.1,    1258.9,       0.0);         ( 387220.1,
3815436.0,    1046.0,    1258.9,       0.0);
     ( 387231.2, 3815414.6,    1056.6,    1258.9,       0.0);         ( 387242.4,
3815393.2,    1061.7,    1258.9,       0.0);
     ( 387253.5, 3815371.7,    1058.6,    1258.9,       0.0);         ( 387264.6,
3815350.3,    1052.1,    1258.9,       0.0);
     ( 387275.7, 3815328.9,    1048.9,    1258.9,       0.0);         ( 387286.8,
3815307.4,    1048.6,    1258.9,       0.0);
     ( 387298.0, 3815286.0,    1047.8,    1258.9,       0.0);         ( 387309.1,
3815264.6,    1042.3,    1258.9,       0.0);
     ( 387320.2, 3815243.1,    1034.0,    1258.9,       0.0);         ( 387331.3,
3815221.7,    1027.6,    1258.9,       0.0);
     ( 387342.4, 3815200.3,    1026.2,    1258.9,       0.0);         ( 387353.5,
3815178.8,    1022.8,    1258.9,       0.0);
     ( 387364.7, 3815157.4,    1019.2,    1258.9,       0.0);         ( 387375.8,
3815136.0,    1027.5,    1258.9,       0.0);
     ( 387386.9, 3815114.5,    1038.6,    1258.9,       0.0);         ( 387398.0,
3815093.1,    1048.6,    1258.9,       0.0);
     ( 387409.1, 3815071.7,    1056.2,    1258.9,       0.0);         ( 387420.3,
3815050.2,    1053.5,    1258.9,       0.0);
     ( 387431.4, 3815028.8,    1045.8,    1258.9,       0.0);         ( 387442.5,
3815007.4,    1041.5,    1258.9,       0.0);
     ( 387453.6, 3814985.9,    1036.5,    1258.9,       0.0);         ( 387464.7,
3814964.5,    1029.4,    1258.9,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                        ***        09:14:47

                                    PAGE 239
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

     ( 387475.9, 3814943.0,    1021.9,    1258.9,       0.0);         ( 387487.0,
3814921.6,    1015.2,    1258.9,       0.0);
     ( 387498.1, 3814900.2,    1007.8,    1258.9,       0.0);         ( 387509.2,
3814878.8,    1002.8,    1258.9,       0.0);
     ( 387520.3, 3814857.3,    1008.1,    1258.9,       0.0);         ( 387531.5,
3814835.9,    1015.9,    1258.9,       0.0);
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    ( 387542.6, 3814814.4,    1026.8,    1258.9,       0.0);         ( 387553.7,
3814793.0,    1038.8,    1258.9,       0.0);
    ( 387564.8, 3814771.6,    1047.1,    1258.9,       0.0);         ( 387575.9,
3814750.1,    1051.7,    1258.9,       0.0);
    ( 387587.0, 3814728.7,    1052.2,    1258.9,       0.0);         ( 387598.2,
3814707.3,    1051.1,    1258.9,       0.0);
    ( 387609.3, 3814685.8,    1048.3,    1258.9,       0.0);         ( 387620.4,
3814664.4,    1040.0,    1258.9,       0.0);
    ( 387631.5, 3814643.0,    1045.4,    1258.9,       0.0);         ( 387642.6,
3814621.5,    1056.4,    1258.9,       0.0);
    ( 387653.8, 3814600.1,    1068.3,    1258.9,       0.0);         ( 387664.9,
3814578.7,    1078.6,    1258.9,       0.0);
    ( 387676.0, 3814557.2,    1084.5,    1258.9,       0.0);         ( 387687.1,
3814535.8,    1082.1,    1258.9,       0.0);
    ( 387698.2, 3814514.4,    1075.7,    1258.9,       0.0);         ( 387709.4,
3814492.9,    1074.1,    1258.9,       0.0);
    ( 387720.5, 3814471.5,    1082.7,    1258.9,       0.0);         ( 387731.6,
3814450.1,    1090.6,    1258.9,       0.0);
    ( 387742.7, 3814428.6,    1096.3,    1258.9,       0.0);         ( 387753.8,
3814407.2,    1097.2,    1258.9,       0.0);
    ( 387765.0, 3814385.8,    1093.0,    1258.9,       0.0);         ( 387776.1,
3814364.3,    1089.1,    1258.9,       0.0);
    ( 387787.2, 3814342.9,    1082.7,    1258.9,       0.0);         ( 387798.3,
3814321.5,    1074.0,    1258.9,       0.0);
    ( 387809.4, 3814300.0,    1065.5,    1258.9,       0.0);         ( 387820.5,
3814278.6,    1061.1,    1258.9,       0.0);
    ( 387831.7, 3814257.2,    1067.3,    1258.9,       0.0);         ( 387842.8,
3814235.7,    1078.3,    1258.9,       0.0);
    ( 387853.9, 3814214.3,    1088.6,    1258.9,       0.0);         ( 387865.0,
3814192.9,    1099.4,    1258.9,       0.0);
    ( 387876.1, 3814171.4,    1100.6,    1258.9,       0.0);         ( 387887.3,
3814150.0,    1102.4,    1258.9,       0.0);
    ( 387898.4, 3814128.5,    1104.5,    1258.9,       0.0);         ( 387909.5,
3814107.1,    1115.9,    1258.9,       0.0);
    ( 387920.6, 3814085.7,    1130.3,    1258.9,       0.0);         ( 387931.7,
3814064.2,    1143.2,    1258.9,       0.0);
    ( 387942.9, 3814042.8,    1157.4,    1258.9,       0.0);         ( 387954.0,
3814021.4,    1169.8,    1258.9,       0.0);
    ( 387965.1, 3813999.9,    1182.0,    1258.9,       0.0);         ( 387976.2,
3813978.5,    1192.5,    1258.9,       0.0);
    ( 387987.3, 3813957.1,    1204.4,    1258.9,       0.0);         ( 387998.5,
3813935.6,    1216.8,    1258.9,       0.0);
    ( 388009.6, 3813914.2,    1228.4,    1258.9,       0.0);         ( 388020.7,
3813892.8,    1237.9,    1258.9,       0.0);
    ( 388031.8, 3813871.3,    1247.7,    1258.9,       0.0);         ( 388042.9,
3813849.9,    1252.7,    1258.9,       0.0);
    ( 388054.0, 3813828.5,    1256.3,    1258.9,       0.0);         ( 388065.2,
3813807.0,    1255.4,    1258.9,       0.0);
    ( 388076.3, 3813785.6,    1249.7,    1258.9,       0.0);         ( 388087.4,
3813764.2,    1242.6,    1258.9,       0.0);
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(388098.5, 3813742.7, 1234.5, 1258.9, 0.0); (388109.6,
3813721.3, 1225.7, 1258.9, 0.0);
(388120.8, 3813699.9, 1216.2, 1258.9, 0.0); (388131.9,
3813678.4, 1211.0, 1258.9, 0.0);
(388143.0, 3813657.0, 1207.4, 1258.9, 0.0); (388154.1,
3813635.6, 1205.4, 1258.9, 0.0);
(388165.2, 3813614.1, 1200.0, 1258.9, 0.0); (388176.4,
3813592.7, 1192.6, 1258.9, 0.0);
(388187.5, 3813571.3, 1185.9, 1258.9, 0.0); (388198.6,
3813549.8, 1180.9, 1258.9, 0.0);
(388209.7, 3813528.4, 1176.6, 1258.9, 0.0); (388220.8,
3813507.0, 1171.5, 1258.9, 0.0);
(388232.0, 3813485.5, 1159.5, 1258.9, 0.0); (388243.1,
3813464.1, 1145.3, 1258.9, 0.0);
(388254.2, 3813442.7, 1129.5, 1258.9, 0.0); (388265.3,
3813421.2, 1111.6, 1258.9, 0.0);
(388276.4, 3813399.8, 1099.4, 1939.6, 0.0); (388287.5,
3813378.4, 1085.4, 1958.8, 0.0);
(388298.7, 3813356.9, 1074.0, 1981.2, 0.0); (388309.8,
3813335.5, 1059.2, 1981.2, 0.0);
(388320.9, 3813314.0, 1047.7, 1990.0, 0.0); (388332.0,
3813292.6, 1041.2, 1990.0, 0.0);
(388343.1, 3813271.2, 1035.5, 1990.0, 0.0); (388354.3,
3813249.8, 1029.3, 1990.0, 0.0);
(388365.4, 3813228.3, 1013.4, 1990.0, 0.0); (388376.5,
3813206.9,   996.9, 1990.0, 0.0);
(388387.6, 3813185.4,   983.6, 1990.0, 0.0); (388398.7,
3813164.0,   975.9, 1990.0, 0.0);
(388409.9, 3813142.6,   971.1, 1990.0, 0.0); (388421.0,
3813121.1,   968.4, 1990.0, 0.0);
(388432.1, 3813099.7,   964.2, 1990.0, 0.0); (388443.2,
3813078.3,   954.0, 1990.0, 0.0);
(388454.3, 3813056.8,   952.4, 1990.0, 0.0); (388465.5,
3813035.4,   954.6, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(388476.6, 3813014.0,   954.5, 1990.0, 0.0); (388487.7,
3812992.5,   953.3, 1990.0, 0.0);
(388498.8, 3812971.1,   952.8, 1990.0, 0.0); (388509.9,
3812949.7,   954.0, 1990.0, 0.0);

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    ( 388521.0, 3812928.2,     958.8,    1990.0,       0.0);         ( 388532.2,
3812906.8,     962.0,    1990.0,       0.0);
    ( 388543.3, 3812885.4,     959.8,    1990.0,       0.0);         ( 388554.4,
3812863.9,     955.9,    1990.0,       0.0);
    ( 388565.5, 3812842.5,     946.6,    1990.0,       0.0);         ( 388576.6,
3812821.1,     936.6,    1990.0,       0.0);
    ( 388587.8, 3812799.6,     927.5,    1990.0,       0.0);         ( 388598.9,
3812778.2,     919.1,    1990.0,       0.0);
    ( 388610.0, 3812756.8,     910.9,    1990.0,       0.0);         ( 388621.1,
3812735.3,     902.5,    1990.0,       0.0);
    ( 388632.2, 3812713.9,     892.6,    1990.0,       0.0);         ( 388643.4,
3812692.5,     881.1,    1990.0,       0.0);
    ( 388654.5, 3812671.0,     869.0,    1990.0,       0.0);         ( 388665.6,
3812649.6,     854.4,    1990.0,       0.0);
    ( 388676.7, 3812628.2,     846.2,    1990.0,       0.0);         ( 388687.8,
3812606.7,     851.4,    1990.0,       0.0);
    ( 388699.0, 3812585.3,     857.4,    1990.0,       0.0);         ( 388710.1,
3812563.8,     857.2,    1990.0,       0.0);
    ( 388721.2, 3812542.4,     843.9,    1990.0,       0.0);         ( 388732.3,
3812521.0,     826.3,    1990.0,       0.0);
    ( 388743.4, 3812499.5,     803.4,    1990.0,       0.0);         ( 388754.5,
3812478.1,     789.5,    1990.0,       0.0);
    ( 388765.7, 3812456.7,     783.9,    1990.0,       0.0);         ( 388776.8,
3812435.2,     783.7,    1990.0,       0.0);
    ( 388787.9, 3812413.8,     783.7,    1990.0,       0.0);         ( 388799.0,
3812392.4,     783.7,    1990.0,       0.0);
    ( 388810.1, 3812370.9,     785.2,    1990.0,       0.0);         ( 388821.3,
3812349.5,     785.0,    1990.0,       0.0);
    ( 388832.4, 3812328.1,     783.5,    1990.0,       0.0);         ( 388843.5,
3812306.6,     783.6,    1990.0,       0.0);
    ( 388854.6, 3812285.2,     783.4,    1990.0,       0.0);         ( 388865.7,
3812263.8,     783.1,    1990.0,       0.0);
    ( 388876.9, 3812242.3,     783.0,    1990.0,       0.0);         ( 388888.0,
3812220.9,     781.9,    1990.0,       0.0);
    ( 388899.1, 3812199.5,     779.5,    1990.0,       0.0);         ( 388910.2,
3812178.0,     778.0,    1990.0,       0.0);
    ( 388921.3, 3812156.6,     776.8,    1990.0,       0.0);         ( 388932.5,
3812135.2,     776.2,    1990.0,       0.0);
    ( 388943.6, 3812113.7,     777.1,    1990.0,       0.0);         ( 388954.7,
3812092.3,     778.3,    1990.0,       0.0);
    ( 388965.8, 3812070.9,     781.0,    1990.0,       0.0);         ( 388976.9,
3812049.4,     784.6,    1990.0,       0.0);
    ( 388988.0, 3812028.0,     785.1,    1990.0,       0.0);         ( 388999.2,
3812006.6,     785.8,    1990.0,       0.0);
    ( 389010.3, 3811985.1,     786.8,    1990.0,       0.0);         ( 389021.4,
3811963.7,     788.6,    1990.0,       0.0);
    ( 389032.5, 3811942.3,     791.3,    1990.0,       0.0);         ( 389043.6,
3811920.8,     793.8,    1990.0,       0.0);
    ( 389054.8, 3811899.4,     793.2,    1990.0,       0.0);         ( 389065.9,
3811878.0,     793.1,    1990.0,       0.0);
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(389077.0, 3811856.5, 792.8, 1990.0, 0.0); (389088.1, 3811835.1, 794.1, 1990.0, 0.0);
(389099.2, 3811813.7, 797.3, 1990.0, 0.0); (389110.4, 3811792.2, 799.9, 1990.0, 0.0);
(389121.5, 3811770.8, 804.9, 1990.0, 0.0); (389132.6, 3811749.3, 808.9, 1990.0, 0.0);
(389143.7, 3811727.9, 812.3, 1990.0, 0.0); (389154.8, 3811706.5, 814.2, 1990.0, 0.0);
(389166.0, 3811685.0, 815.8, 1990.0, 0.0); (389177.1, 3811663.6, 816.3, 1990.0, 0.0);
(389188.2, 3811642.2, 816.6, 1990.0, 0.0); (389199.3, 3811620.8, 816.3, 1990.0, 0.0);
(389210.4, 3811599.3, 815.8, 1990.0, 0.0); (389221.5, 3811577.9, 815.7, 1990.0, 0.0);
(389232.7, 3811556.4, 816.7, 1990.0, 0.0); (389243.8, 3811535.0, 818.7, 1990.0, 0.0);
(389254.9, 3811513.6, 821.0, 1990.0, 0.0); (389266.0, 3811492.1, 823.2, 1990.0, 0.0);
(389277.1, 3811470.7, 826.1, 1990.0, 0.0); (389288.3, 3811449.3, 830.1, 1990.0, 0.0);
(389299.4, 3811427.8, 832.1, 1990.0, 0.0); (389310.5, 3811406.4, 829.9, 1990.0, 0.0);
(389321.6, 3811385.0, 832.9, 1990.0, 0.0); (389332.7, 3811363.5, 835.7, 1990.0, 0.0);
(389343.9, 3811342.1, 837.7, 1990.0, 0.0); (389355.0, 3811320.7, 841.2, 1990.0, 0.0);
(389366.1, 3811299.2, 849.5, 1990.0, 0.0); (389377.2, 3811277.8, 855.6, 1990.0, 0.0);
(389388.3, 3811256.4, 854.8, 1990.0, 0.0); (389399.5, 3811234.9, 856.2, 1990.0, 0.0);
(389410.6, 3811213.5, 857.2, 1990.0, 0.0); (389421.7, 3811192.1, 852.5, 1990.0, 0.0);
(389432.8, 3811170.6, 853.0, 1990.0, 0.0); (389443.9, 3811149.2, 851.0, 1990.0, 0.0);
(389455.0, 3811127.8, 851.7, 1990.0, 0.0); (389466.2, 3811106.3, 849.8, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(389477.3, 3811084.9, 847.3, 1990.0, 0.0); (389488.4, 3811063.5, 846.0, 1990.0, 0.0);

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    ( 389499.5, 3811042.0,     845.2,    1990.0,       0.0);         ( 389510.6,
3811020.6,     844.2,    1990.0,       0.0);
    ( 389521.8, 3810999.2,     843.6,    1990.0,       0.0);         ( 389532.9,
3810977.7,     844.2,    1990.0,       0.0);
    ( 389544.0, 3810956.3,     845.4,    1990.0,       0.0);         ( 389555.1,
3810934.8,     845.0,    1990.0,       0.0);
    ( 389566.2, 3810913.4,     848.9,    1990.0,       0.0);         ( 389577.4,
3810892.0,     852.2,    1990.0,       0.0);
    ( 389588.5, 3810870.5,     855.2,    1990.0,       0.0);         ( 389599.6,
3810849.1,     858.6,    1990.0,       0.0);
    ( 389610.7, 3810827.7,     862.2,    1990.0,       0.0);         ( 389621.8,
3810806.2,     865.8,    1990.0,       0.0);
    ( 389633.0, 3810784.8,     869.4,    1990.0,       0.0);         ( 389644.1,
3810763.4,     873.3,    1990.0,       0.0);
    ( 389655.2, 3810741.9,     876.9,    1990.0,       0.0);         ( 389666.3,
3810720.5,     878.5,    1990.0,       0.0);
    ( 389677.4, 3810699.1,     880.2,    1990.0,       0.0);         ( 389688.5,
3810677.6,     881.9,    1990.0,       0.0);
    ( 389699.7, 3810656.2,     883.6,    1990.0,       0.0);         ( 389710.8,
3810634.8,     885.3,    1990.0,       0.0);
    ( 389721.9, 3810613.3,     887.0,    1990.0,       0.0);         ( 389733.0,
3810591.9,     888.5,    1990.0,       0.0);
    ( 389744.1, 3810570.5,     889.9,    1990.0,       0.0);         ( 389755.3,
3810549.0,     891.9,    1990.0,       0.0);
    ( 389766.4, 3810527.6,     893.9,    1990.0,       0.0);         ( 389777.5,
3810506.2,     896.0,    1990.0,       0.0);
    ( 389788.6, 3810484.7,     897.7,    1990.0,       0.0);         ( 389799.7,
3810463.3,     899.7,    1990.0,       0.0);
    ( 389810.9, 3810441.9,     901.7,    1990.0,       0.0);         ( 389822.0,
3810420.4,     903.9,    1990.0,       0.0);
    ( 389833.1, 3810399.0,     906.3,    1990.0,       0.0);         ( 389844.2,
3810377.6,     908.6,    1990.0,       0.0);
    ( 389855.3, 3810356.1,     911.0,    1990.0,       0.0);         ( 389866.5,
3810334.7,     912.1,    1990.0,       0.0);
    ( 389877.6, 3810313.3,     912.9,    1990.0,       0.0);         ( 389888.7,
3810291.8,     914.2,    1990.0,       0.0);
    ( 389899.8, 3810270.4,     918.0,    1990.0,       0.0);         ( 389910.9,
3810249.0,     920.2,    1990.0,       0.0);
    ( 389922.0, 3810227.5,     919.3,    1990.0,       0.0);         ( 389933.2,
3810206.1,     917.1,    1990.0,       0.0);
    ( 389944.3, 3810184.6,     916.3,    1990.0,       0.0);         ( 389955.4,
3810163.2,     917.6,    1990.0,       0.0);
    ( 389966.5, 3810141.8,     919.4,    1990.0,       0.0);         ( 389977.6,
3810120.3,     921.2,    1990.0,       0.0);
    ( 389988.8, 3810098.9,     922.6,    1990.0,       0.0);         ( 389999.9,
3810077.5,     923.8,    1990.0,       0.0);
    ( 390011.0, 3810056.0,     925.0,    1990.0,       0.0);         ( 390022.1,
3810034.6,     926.0,    1990.0,       0.0);
    ( 390033.2, 3810013.2,     927.3,    1990.0,       0.0);         ( 390044.4,
3809991.8,     928.8,    1990.0,       0.0);
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     ( 390055.5, 3809970.3,     930.9,    1990.0,       0.0);         ( 390090.2,
3809943.6,     932.1,    1990.0,       0.0);
     ( 390113.7, 3809938.4,     931.0,    1990.0,       0.0);         ( 390137.3,
3809933.1,     929.5,    1990.0,       0.0);
     ( 390160.9, 3809927.9,     927.7,    1990.0,       0.0);         ( 390184.5,
3809922.7,     926.4,    1990.0,       0.0);
     ( 390208.0, 3809917.4,     927.1,    1990.0,       0.0);         ( 390231.6,
3809912.2,     925.5,    1990.0,       0.0);
     ( 390255.2, 3809906.9,     924.7,    1990.0,       0.0);         ( 390278.7,
3809901.7,     924.1,    1990.0,       0.0);
     ( 390302.3, 3809896.4,     923.9,    1990.0,       0.0);         ( 390325.9,
3809891.2,     922.7,    1990.0,       0.0);
     ( 390349.5, 3809886.0,     920.1,    1990.0,       0.0);         ( 390373.0,
3809880.7,     913.7,    1990.0,       0.0);
     ( 390396.6, 3809875.5,     909.2,    1990.0,       0.0);         ( 390420.2,
3809870.2,     913.8,    1990.0,       0.0);
     ( 390443.7, 3809865.0,     924.2,    1990.0,       0.0);         ( 390467.3,
3809859.8,     926.7,    1990.0,       0.0);
     ( 390490.9, 3809854.5,     923.3,    1990.0,       0.0);         ( 390514.4,
3809849.3,     919.3,    1990.0,       0.0);
     ( 390538.0, 3809844.0,     916.6,    1990.0,       0.0);         ( 390561.6,
3809838.8,     915.8,    1990.0,       0.0);
     ( 390585.1, 3809833.5,     909.0,    1990.0,       0.0);         ( 390608.7,
3809828.3,     904.5,    1990.0,       0.0);
     ( 390632.3, 3809823.0,     911.7,    1990.0,       0.0);         ( 390655.9,
3809817.8,     916.9,    1990.0,       0.0);
     ( 390679.4, 3809812.6,     919.1,    1990.0,       0.0);         ( 390703.0,
3809807.3,     920.5,    1990.0,       0.0);
     ( 390726.6, 3809802.1,     921.7,    1990.0,       0.0);         ( 390750.1,
3809796.8,     922.9,    1990.0,       0.0);
     ( 390773.7, 3809791.6,     923.9,    1990.0,       0.0);         ( 390797.3,
3809786.3,     924.3,    1990.0,       0.0);
     ( 390820.9, 3809781.1,     923.8,    1990.0,       0.0);         ( 390844.4,
3809775.9,     926.0,    1990.0,       0.0);
     ( 390868.0, 3809770.6,     925.8,    1990.0,       0.0);         ( 390891.6,
3809765.4,     925.5,    1990.0,       0.0);
     ( 390915.1, 3809760.1,     926.8,    1990.0,       0.0);         ( 390938.7,
3809754.9,     929.8,    1990.0,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
    ( 390962.3, 3809749.7,     930.1,    1990.0,       0.0);         ( 390985.8,
3809744.4,     927.3,    1990.0,       0.0);
    ( 391009.4, 3809739.2,     923.2,    1990.0,       0.0);         ( 391033.0,
3809733.9,     919.1,    1990.0,       0.0);
    ( 391056.6, 3809728.7,     914.5,    1990.0,       0.0);         ( 391080.1,
3809723.4,     909.8,    1990.0,       0.0);
    ( 391103.7, 3809718.2,     905.6,    1990.0,       0.0);         ( 391127.3,
3809713.0,     904.8,    1990.0,       0.0);
    ( 391150.8, 3809707.7,     902.6,    1990.0,       0.0);         ( 391174.4,
3809702.5,     903.9,    1990.0,       0.0);
    ( 391198.0, 3809697.2,     911.8,    1990.0,       0.0);         ( 391221.6,
3809692.0,     914.0,    1990.0,       0.0);
    ( 391245.1, 3809686.7,     916.3,    1990.0,       0.0);         ( 391268.7,
3809681.5,     917.3,    1990.0,       0.0);
    ( 391292.3, 3809676.3,     918.7,    1990.0,       0.0);         ( 391315.8,
3809671.0,     920.6,    1990.0,       0.0);
    ( 391339.4, 3809665.8,     921.5,    1990.0,       0.0);         ( 391363.0,
3809660.5,     922.3,    1990.0,       0.0);
    ( 391386.5, 3809655.3,     923.7,    1990.0,       0.0);         ( 391410.1,
3809650.0,     925.5,    1990.0,       0.0);
    ( 391433.7, 3809644.8,     927.8,    1990.0,       0.0);         ( 391457.3,
3809639.6,     928.2,    1990.0,       0.0);
    ( 391480.8, 3809634.3,     930.7,    1990.0,       0.0);         ( 391504.4,
3809629.1,     931.6,    1990.0,       0.0);
    ( 391528.0, 3809623.8,     934.8,    1990.0,       0.0);         ( 391551.5,
3809618.6,     938.2,    1990.0,       0.0);
    ( 391575.1, 3809613.3,     941.5,    1990.0,       0.0);         ( 391598.7,
3809608.1,     943.2,    1990.0,       0.0);
    ( 391622.3, 3809602.9,     943.6,    1990.0,       0.0);         ( 391645.8,
3809597.6,     942.7,    1990.0,       0.0);
    ( 391669.4, 3809592.4,     940.7,    1990.0,       0.0);         ( 391693.0,
3809587.1,     939.6,    1990.0,       0.0);
    ( 391716.5, 3809581.9,     940.6,    1990.0,       0.0);         ( 391740.1,
3809576.6,     942.4,    1990.0,       0.0);
    ( 391763.7, 3809571.4,     944.6,    1990.0,       0.0);         ( 391787.2,
3809566.2,     945.3,    1990.0,       0.0);
    ( 391810.8, 3809560.9,     945.5,    1990.0,       0.0);         ( 391834.4,
3809555.7,     946.6,    1990.0,       0.0);
    ( 391858.0, 3809550.4,     948.4,    1990.0,       0.0);         ( 391881.5,
3809545.2,     950.1,    1990.0,       0.0);
    ( 391905.1, 3809539.9,     954.0,    1990.0,       0.0);         ( 391928.7,
3809534.7,     955.6,    1990.0,       0.0);
    ( 391952.2, 3809529.5,     956.8,    1990.0,       0.0);         ( 391975.8,
3809524.2,     958.0,    1990.0,       0.0);
    ( 391999.4, 3809519.0,     958.1,    1990.0,       0.0);         ( 392023.0,
3809513.7,     959.8,    1990.0,       0.0);
    ( 392046.5, 3809508.5,     963.0,    1990.0,       0.0);         ( 392070.1,
3809503.2,     963.9,    1990.0,       0.0);
    ( 392093.7, 3809498.0,     963.8,    1990.0,       0.0);         ( 392117.2,
3809492.8,     963.7,    1990.0,       0.0);
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     ( 392140.8, 3809487.5,     963.8,    1990.0,       0.0);         ( 392164.4,
3809482.3,     966.2,    1990.0,       0.0);
     ( 392188.0, 3809477.0,     970.2,    1990.0,       0.0);         ( 392211.5,
3809471.8,     972.7,    1990.0,       0.0);
     ( 392235.1, 3809466.5,     975.1,    1990.0,       0.0);         ( 392258.7,
3809461.3,     980.1,    1990.0,       0.0);
     ( 392282.2, 3809456.1,     987.8,    1990.0,       0.0);         ( 392305.8,
3809450.8,     990.1,    1990.0,       0.0);
     ( 392329.4, 3809445.6,     989.9,    1990.0,       0.0);         ( 392353.0,
3809440.3,     993.6,    1990.0,       0.0);
     ( 392376.5, 3809435.1,     995.0,    1990.0,       0.0);         ( 392400.1,
3809429.8,     998.4,    1990.0,       0.0);
     ( 392423.7, 3809424.6,     997.3,    1990.0,       0.0);         ( 392447.2,
3809419.4,     998.4,    1990.0,       0.0);
     ( 392470.8, 3809414.1,     998.1,    1990.0,       0.0);         ( 392494.4,
3809408.9,     995.9,    1990.0,       0.0);
     ( 392517.9, 3809403.6,     991.9,    1990.0,       0.0);         ( 392541.5,
3809398.4,     990.9,    1990.0,       0.0);
     ( 392565.1, 3809393.1,     991.5,    1990.0,       0.0);         ( 392588.6,
3809387.9,     993.2,    1990.0,       0.0);
     ( 392612.2, 3809382.7,     993.4,    1990.0,       0.0);         ( 392635.8,
3809377.4,     994.3,    1990.0,       0.0);
     ( 392659.4, 3809372.2,     997.1,    1990.0,       0.0);         ( 392682.9,
3809366.9,     997.8,    1990.0,       0.0);
     ( 392706.5, 3809361.7,     999.4,    1990.0,       0.0);         ( 392730.1,
3809356.4,    1000.8,    1990.0,       0.0);
     ( 392753.6, 3809351.2,    1005.8,    1990.0,       0.0);         ( 392777.2,
3809346.0,    1009.1,    1990.0,       0.0);
     ( 392800.8, 3809340.7,    1013.5,    1990.0,       0.0);         ( 392824.4,
3809335.5,    1017.6,    1990.0,       0.0);
     ( 392847.9, 3809330.2,    1020.1,    1990.0,       0.0);         ( 392871.5,
3809325.0,    1023.7,    1990.0,       0.0);
     ( 392895.1, 3809319.8,    1027.6,    1990.0,       0.0);         ( 392918.6,
3809314.5,    1030.7,    1990.0,       0.0);
     ( 392942.2, 3809309.3,    1034.2,    1990.0,       0.0);         ( 392965.8,
3809304.0,    1038.2,    1990.0,       0.0);
     ( 392989.3, 3809298.8,    1041.0,    1990.0,       0.0);         ( 393012.9,
3809293.5,    1044.5,    1990.0,       0.0);
     ( 393036.5, 3809288.3,    1055.7,    1990.0,       0.0);         ( 393060.1,
3809283.1,    1064.0,    1990.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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                                    PAGE 243
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

(METERS)

(393083.6, 3809277.8, 1070.5, 1990.0, 0.0); (393107.2, 3809272.6, 1074.6, 1990.0, 0.0);
(393130.8, 3809267.3, 1083.7, 1990.0, 0.0); (393154.3, 3809262.1, 1093.7, 1990.0, 0.0);
(393177.9, 3809256.8, 1103.8, 1990.0, 0.0); (393201.5, 3809251.6, 1112.7, 1990.0, 0.0);
(393225.1, 3809246.4, 1119.7, 1990.0, 0.0); (393248.6, 3809241.1, 1124.4, 1990.0, 0.0);
(393272.2, 3809235.9, 1127.0, 1990.0, 0.0); (393295.8, 3809230.6, 1128.9, 1990.0, 0.0);
(393319.3, 3809225.4, 1133.5, 1990.0, 0.0); (393342.9, 3809220.1, 1143.9, 1990.0, 0.0);
(393366.5, 3809214.9, 1156.0, 1990.0, 0.0); (393390.1, 3809209.7, 1163.8, 1990.0, 0.0);
(393413.6, 3809204.4, 1160.6, 1990.0, 0.0); (393437.2, 3809199.2, 1154.3, 1990.0, 0.0);
(393460.8, 3809193.9, 1145.5, 1990.0, 0.0); (393484.3, 3809188.7, 1137.2, 1990.0, 0.0);
(393507.9, 3809183.4, 1130.1, 1990.0, 0.0); (393531.5, 3809178.2, 1124.3, 1990.0, 0.0);
(393555.0, 3809173.0, 1118.1, 1990.0, 0.0); (393578.6, 3809167.7, 1110.3, 1990.0, 0.0);
(393602.2, 3809162.5, 1104.1, 1990.0, 0.0); (393625.8, 3809157.2, 1103.6, 1990.0, 0.0);
(393649.3, 3809152.0, 1101.9, 1990.0, 0.0); (393672.9, 3809146.8, 1096.7, 1990.0, 0.0);
(393696.5, 3809141.5, 1100.0, 1990.0, 0.0); (393720.0, 3809136.3, 1095.9, 1990.0, 0.0);
(393743.6, 3809131.0, 1099.7, 1990.0, 0.0); (393767.2, 3809125.8, 1102.7, 1990.0, 0.0);
(393790.8, 3809120.5, 1103.8, 1990.0, 0.0); (393814.3, 3809115.3, 1104.1, 1990.0, 0.0);
(393837.9, 3809110.0, 1105.0, 1990.0, 0.0); (393861.5, 3809104.8, 1105.6, 1990.0, 0.0);
(393885.0, 3809099.6, 1106.2, 1990.0, 0.0); (393908.6, 3809094.3, 1105.0, 1990.0, 0.0);
(393932.2, 3809089.1, 1101.8, 1990.0, 0.0); (393955.8, 3809083.8, 1101.1, 1990.0, 0.0);
(393979.3, 3809078.6, 1101.5, 1990.0, 0.0); (394002.9, 3809073.3, 1102.3, 1990.0, 0.0);
(394026.5, 3809068.1, 1105.3, 1990.0, 0.0); (394050.0, 3809062.9, 1103.4, 2003.2, 0.0);
(394073.6, 3809057.6, 1103.7, 2003.3, 0.0); (394097.2, 3809052.4, 1105.1, 2003.6, 0.0);
(394120.7, 3809047.1, 1097.9, 2010.3, 0.0); (394144.3, 3809041.9, 1093.9, 2010.3, 0.0);
(394167.9, 3809036.6, 1093.3, 2010.3, 0.0); (394191.5, 3809031.4, 1091.5, 2010.3, 0.0);

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     ( 394215.0, 3809026.2,    1093.2,    2010.3,       0.0);         ( 394238.6,
3809020.9,    1099.8,    2010.3,       0.0);
     ( 394262.2, 3809015.7,    1103.6,    2010.3,       0.0);         ( 394285.7,
3809010.4,    1106.1,    2010.3,       0.0);
     ( 394309.3, 3809005.2,    1108.8,    2010.3,       0.0);         ( 394332.9,
3808999.9,    1113.0,    2010.3,       0.0);
     ( 394356.5, 3808994.7,    1120.2,    2010.3,       0.0);         ( 394380.0,
3808989.5,    1131.8,    2003.6,       0.0);
     ( 394403.6, 3808984.2,    1145.3,    1990.0,       0.0);         ( 394427.2,
3808979.0,    1157.4,    1990.0,       0.0);
     ( 394450.7, 3808973.7,    1169.6,    1990.0,       0.0);         ( 394474.3,
3808968.5,    1181.8,    1990.0,       0.0);
     ( 394497.9, 3808963.2,    1187.5,    1990.0,       0.0);         ( 394521.5,
3808958.0,    1194.2,    1990.0,       0.0);
     ( 394545.0, 3808952.8,    1204.2,    1990.0,       0.0);         ( 394568.6,
3808947.5,    1214.6,    1990.0,       0.0);
     ( 394592.2, 3808942.3,    1226.7,    1990.0,       0.0);         ( 394615.7,
3808937.0,    1237.0,    1990.0,       0.0);
     ( 394639.3, 3808931.8,    1248.8,    1990.0,       0.0);         ( 394662.9,
3808926.5,    1260.7,    1990.0,       0.0);
     ( 394686.4, 3808921.3,    1275.2,    1990.0,       0.0);         ( 394710.0,
3808916.1,    1289.7,    1990.0,       0.0);
     ( 394733.6, 3808910.8,    1300.6,    1990.0,       0.0);         ( 394757.1,
3808905.6,    1308.1,    1990.0,       0.0);
     ( 394780.7, 3808900.3,    1312.7,    1990.0,       0.0);         ( 394804.3,
3808895.1,    1315.8,    1990.0,       0.0);
     ( 394827.9, 3808889.8,    1318.0,    1990.0,       0.0);         ( 394851.4,
3808884.6,    1323.3,    1990.0,       0.0);
     ( 394875.0, 3808879.4,    1333.3,    1990.0,       0.0);         ( 394898.6,
3808874.1,    1347.0,    1990.0,       0.0);
     ( 394922.1, 3808868.9,    1363.0,    1990.0,       0.0);         ( 394945.7,
3808863.6,    1378.8,    1990.0,       0.0);
     ( 394969.3, 3808858.4,    1394.5,    1990.0,       0.0);         ( 394992.9,
3808853.2,    1408.1,    1990.0,       0.0);
     ( 395016.4, 3808847.9,    1419.5,    1990.0,       0.0);         ( 395040.0,
3808842.7,    1431.1,    1990.0,       0.0);
     ( 395063.6, 3808837.4,    1432.4,    1990.0,       0.0);         ( 395087.1,
3808832.2,    1431.2,    1990.0,       0.0);
     ( 395110.7, 3808826.9,    1432.9,    1990.0,       0.0);         ( 395134.3,
3808821.7,    1435.0,    1990.0,       0.0);
     ( 395157.8, 3808816.5,    1433.0,    1990.0,       0.0);         ( 395181.4,
3808811.2,    1428.3,    1990.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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                                   PAGE 244
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(395205.0, 3808806.0, 1424.0, 1990.0, 0.0); (395228.6, 3808800.7, 1417.6, 1990.0, 0.0);
(395252.1, 3808795.5, 1408.2, 1990.0, 0.0); (395275.7, 3808790.2, 1393.7, 1990.0, 0.0);
(395299.3, 3808785.0, 1387.5, 1990.0, 0.0); (395322.8, 3808779.8, 1383.4, 1990.0, 0.0);
(395346.4, 3808774.5, 1382.2, 1990.0, 0.0); (395370.0, 3808769.3, 1379.0, 1990.0, 0.0);
(395393.6, 3808764.0, 1385.1, 1990.0, 0.0); (395417.1, 3808758.8, 1395.7, 1990.0, 0.0);
(395440.7, 3808753.5, 1406.8, 1990.0, 0.0); (395464.3, 3808748.3, 1415.8, 1990.0, 0.0);
(395487.8, 3808743.1, 1424.4, 1990.0, 0.0); (395511.4, 3808737.8, 1437.5, 1832.7, 0.0);
(395535.0, 3808732.6, 1448.3, 1832.7, 0.0); (395558.5, 3808727.3, 1462.9, 1832.7, 0.0);
(395582.1, 3808722.1, 1478.6, 1832.7, 0.0); (395605.7, 3808716.8, 1487.8, 1614.7, 0.0);
(395629.3, 3808711.6, 1479.6, 1832.7, 0.0); (395652.8, 3808706.4, 1469.7, 1832.7, 0.0);
(395676.4, 3808701.1, 1456.4, 1832.7, 0.0); (395700.0, 3808695.9, 1438.3, 1832.7, 0.0);
(395723.5, 3808690.6, 1419.4, 1832.7, 0.0); (395747.1, 3808685.4, 1401.8, 1990.0, 0.0);
(395770.7, 3808680.1, 1386.6, 1990.0, 0.0); (395794.3, 3808674.9, 1372.1, 1990.0, 0.0);
(395817.8, 3808669.7, 1355.8, 1990.0, 0.0); (395841.4, 3808664.4, 1339.2, 1990.0, 0.0);
(395865.0, 3808659.2, 1323.3, 1990.0, 0.0); (395888.5, 3808653.9, 1311.9, 1990.0, 0.0);
(395912.1, 3808648.7, 1296.7, 1990.0, 0.0); (395935.7, 3808643.4, 1283.9, 1990.0, 0.0);
(395959.2, 3808638.2, 1277.8, 2003.6, 0.0); (395982.8, 3808633.0, 1272.5, 2010.3, 0.0);
(396006.4, 3808627.7, 1268.8, 2061.5, 0.0); (396030.0, 3808622.5, 1264.4, 2084.7, 0.0);
(396053.5, 3808617.2, 1260.2, 2084.7, 0.0); (396077.1, 3808612.0, 1258.4, 2084.7, 0.0);
(396100.7, 3808606.8, 1253.6, 2084.7, 0.0); (396124.2, 3808601.5, 1243.8, 2084.7, 0.0);
(396147.8, 3808596.3, 1232.0, 2086.2, 0.0); (396171.4, 3808591.0, 1220.3, 2170.7, 0.0);
(396195.0, 3808585.8, 1210.6, 2170.7, 0.0); (396218.5, 3808580.5, 1200.6, 2170.7, 0.0);
(396242.1, 3808575.3, 1190.8, 2170.7, 0.0); (396265.7, 3808570.0, 1189.5, 2170.7, 0.0);

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     ( 396289.2, 3808564.8,    1188.3,    2170.7,       0.0);         ( 396312.8,
3808559.6,    1183.0,    2170.7,       0.0);
     ( 396336.4, 3808554.3,    1178.1,    2170.7,       0.0);         ( 396360.0,
3808549.1,    1172.7,    2170.7,       0.0);
     ( 396383.5, 3808543.8,    1169.9,    2170.7,       0.0);         ( 396407.1,
3808538.6,    1167.8,    2170.7,       0.0);
     ( 396430.7, 3808533.3,    1165.9,    2170.7,       0.0);         ( 396454.2,
3808528.1,    1164.0,    2170.7,       0.0);
     ( 396477.8, 3808522.9,    1163.1,    2170.7,       0.0);         ( 387008.9,
3815843.3,     969.4,    1258.9,       0.0);
     ( 387007.8, 3815867.5,     967.6,    1258.9,       0.0);         ( 387006.8,
3815891.7,     965.0,    1258.9,       0.0);
     ( 387005.8, 3815915.9,     962.2,    1258.9,       0.0);         ( 387004.8,
3815940.1,     959.5,    1258.9,       0.0);
     ( 387003.8, 3815964.3,     956.9,    1258.9,       0.0);         ( 387002.8,
3815988.5,     954.4,    1258.9,       0.0);
     ( 385687.8, 3815766.0,    1010.4,    1102.8,       0.0);         ( 385699.0,
3815744.6,    1001.5,    1102.8,       0.0);
     ( 385710.1, 3815723.1,     991.4,    1102.8,       0.0);         ( 385721.3,
3815701.6,     989.2,    1102.8,       0.0);
     ( 385732.4, 3815680.1,     982.5,    1102.8,       0.0);         ( 385743.5,
3815658.6,     974.9,    1102.8,       0.0);
     ( 385754.7, 3815637.1,     965.9,    1102.8,       0.0);         ( 385765.8,
3815615.7,     964.6,    1258.9,       0.0);
     ( 385777.0, 3815594.2,     961.7,    1258.9,       0.0);         ( 385788.1,
3815572.7,     957.2,    1258.9,       0.0);
     ( 385799.3, 3815551.2,     953.8,    1258.9,       0.0);         ( 385810.4,
3815529.8,     949.1,    1258.9,       0.0);
     ( 385821.6, 3815508.3,     947.0,    1258.9,       0.0);         ( 385832.7,
3815486.8,     946.7,    1258.9,       0.0);
     ( 385843.8, 3815465.3,     943.1,    1258.9,       0.0);         ( 385855.0,
3815443.8,     938.6,    1258.9,       0.0);
     ( 385866.1, 3815422.3,     941.1,    1258.9,       0.0);         ( 385877.3,
3815400.9,     944.9,    1258.9,       0.0);
     ( 385888.4, 3815379.4,     945.8,    1258.9,       0.0);         ( 385899.6,
3815357.9,     946.4,    1258.9,       0.0);
     ( 385910.7, 3815336.4,     950.0,    1258.9,       0.0);         ( 385921.8,
3815314.9,     955.8,    1258.9,       0.0);
     ( 385933.0, 3815293.4,     960.0,    1258.9,       0.0);         ( 385944.1,
3815272.0,     954.2,    1258.9,       0.0);
     ( 385955.3, 3815250.5,     947.2,    1258.9,       0.0);         ( 385966.4,
3815229.0,     940.5,    1258.9,       0.0);
     ( 385977.6, 3815207.5,     935.4,    1258.9,       0.0);         ( 385988.7,
3815186.0,     933.8,    1258.9,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                       ***       09:14:47
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(385999.9, 3815164.6, 932.2, 1258.9, 0.0); (386011.0, 3815143.1, 931.5, 1258.9, 0.0);
(386022.1, 3815121.6, 928.2, 1258.9, 0.0); (386033.3, 3815100.1, 925.1, 1258.9, 0.0);
(386044.4, 3815078.6, 929.8, 1258.9, 0.0); (386055.6, 3815057.1, 937.0, 1258.9, 0.0);
(386066.7, 3815035.7, 945.5, 1258.9, 0.0); (386077.9, 3815014.2, 956.0, 1258.9, 0.0);
(386089.0, 3814992.7, 965.5, 1258.9, 0.0); (386100.1, 3814971.2, 975.2, 1258.9, 0.0);
(386111.3, 3814949.7, 983.3, 1258.9, 0.0); (386122.4, 3814928.3, 983.3, 1258.9, 0.0);
(386133.6, 3814906.8, 980.0, 1258.9, 0.0); (386144.7, 3814885.3, 977.4, 1258.9, 0.0);
(386155.9, 3814863.8, 978.9, 1258.9, 0.0); (386167.0, 3814842.3, 985.5, 1258.9, 0.0);
(386178.2, 3814820.8, 991.9, 1258.9, 0.0); (386189.3, 3814799.4, 997.2, 1258.9, 0.0);
(386200.4, 3814777.9, 1000.2, 1258.9, 0.0); (386211.6, 3814756.4, 1000.7, 1258.9, 0.0);
(386222.7, 3814734.9, 997.9, 1258.9, 0.0); (386233.9, 3814713.4, 995.2, 1258.9, 0.0);
(386245.0, 3814692.0, 995.5, 1258.9, 0.0); (386256.2, 3814670.5, 997.7, 1258.9, 0.0);
(386267.3, 3814649.0, 999.3, 1258.9, 0.0); (386278.5, 3814627.5, 1002.0, 1258.9, 0.0);
(386289.6, 3814606.0, 1004.3, 1258.9, 0.0); (386300.7, 3814584.6, 1006.9, 1258.9, 0.0);
(386311.9, 3814563.1, 1010.5, 1258.9, 0.0); (386323.0, 3814541.6, 1007.8, 1258.9, 0.0);
(386334.2, 3814520.1, 1000.0, 1258.9, 0.0); (386345.3, 3814498.6, 992.3, 1258.9, 0.0);
(386356.5, 3814477.1, 984.6, 1258.9, 0.0); (386367.6, 3814455.7, 978.0, 1258.9, 0.0);
(386378.7, 3814434.2, 967.4, 1258.9, 0.0); (386389.9, 3814412.7, 956.6, 1258.9, 0.0);
(386401.0, 3814391.2, 946.2, 1258.9, 0.0); (386412.2, 3814369.7, 933.5, 1939.6, 0.0);
(386423.3, 3814348.3, 925.7, 1939.6, 0.0); (386434.5, 3814326.8, 916.5, 1958.8, 0.0);
(386445.6, 3814305.3, 910.9, 1981.2, 0.0); (386456.8, 3814283.8, 904.2, 1981.2, 0.0);
(386467.9, 3814262.3, 897.3, 1981.2, 0.0); (386479.0, 3814240.8, 892.9, 1985.1, 0.0);

```
     ( 386490.2, 3814219.4,     886.9,    1990.0,       0.0);         ( 386501.3,
3814197.9,     882.2,    1990.0,       0.0);
     ( 386512.5, 3814176.4,     879.6,    1990.0,       0.0);         ( 386523.6,
3814154.9,     884.5,    1990.0,       0.0);
     ( 386534.8, 3814133.4,     891.8,    1990.0,       0.0);         ( 386545.9,
3814112.0,     898.5,    1990.0,       0.0);
     ( 386557.0, 3814090.5,     896.5,    1990.0,       0.0);         ( 386568.2,
3814069.0,     895.1,    1990.0,       0.0);
     ( 386579.3, 3814047.5,     897.5,    1990.0,       0.0);         ( 386590.5,
3814026.0,     902.6,    1990.0,       0.0);
     ( 386601.6, 3814004.5,     907.3,    1990.0,       0.0);         ( 386612.8,
3813983.1,     911.7,    1990.0,       0.0);
     ( 386623.9, 3813961.6,     915.1,    1990.0,       0.0);         ( 386635.0,
3813940.1,     915.1,    1990.0,       0.0);
     ( 386646.2, 3813918.6,     914.5,    1990.0,       0.0);         ( 386657.3,
3813897.1,     912.9,    1990.0,       0.0);
     ( 386668.5, 3813875.7,     911.4,    1990.0,       0.0);         ( 386679.6,
3813854.2,     908.9,    1990.0,       0.0);
     ( 386690.8, 3813832.7,     904.7,    1990.0,       0.0);         ( 386701.9,
3813811.2,     897.7,    1990.0,       0.0);
     ( 386713.0, 3813789.7,     888.2,    1990.0,       0.0);         ( 386724.2,
3813768.3,     885.6,    1990.0,       0.0);
     ( 386735.3, 3813746.8,     893.2,    1990.0,       0.0);         ( 386746.5,
3813725.3,     893.5,    1990.0,       0.0);
     ( 386757.6, 3813703.8,     897.2,    1990.0,       0.0);         ( 386768.8,
3813682.3,     901.0,    1990.0,       0.0);
     ( 386779.9, 3813660.8,     909.3,    1990.0,       0.0);         ( 386791.0,
3813639.4,     917.4,    1990.0,       0.0);
     ( 386802.2, 3813617.9,     925.6,    1990.0,       0.0);         ( 386813.3,
3813596.4,     930.9,    1990.0,       0.0);
     ( 386824.5, 3813574.9,     937.4,    1990.0,       0.0);         ( 386835.6,
3813553.4,     943.8,    1990.0,       0.0);
     ( 386846.8, 3813532.0,     951.7,    1990.0,       0.0);         ( 386857.9,
3813510.5,     956.7,    1990.0,       0.0);
     ( 386869.1, 3813489.0,     961.9,    1990.0,       0.0);         ( 386880.2,
3813467.5,     969.2,    1990.0,       0.0);
     ( 386891.3, 3813446.0,     975.0,    1990.0,       0.0);         ( 386902.5,
3813424.5,     983.8,    1985.1,       0.0);
     ( 386913.6, 3813403.1,     992.5,    1981.2,       0.0);         ( 386924.8,
3813381.6,    1002.0,    1981.2,       0.0);
     ( 386935.9, 3813360.1,    1012.6,    1981.2,       0.0);         ( 386947.1,
3813338.6,    1023.2,    1958.8,       0.0);
     ( 386958.2, 3813317.1,    1033.2,    1958.8,       0.0);         ( 386969.3,
3813295.7,    1044.8,    1939.6,       0.0);
     ( 386980.5, 3813274.2,    1058.2,    1939.6,       0.0);         ( 386991.6,
3813252.7,    1063.5,    1939.6,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(387002.8, 3813231.2, 1074.8, 1258.9, 0.0); (387013.9, 3813209.7, 1084.6, 1258.9, 0.0);
(387025.1, 3813188.2, 1095.9, 1258.9, 0.0); (387036.2, 3813166.8, 1110.1, 1258.9, 0.0);
(387047.4, 3813145.3, 1125.5, 1258.9, 0.0); (387058.5, 3813123.8, 1141.7, 1181.0, 0.0);
(387069.6, 3813102.3, 1160.8, 1181.0, 0.0); (387080.8, 3813080.8, 1171.4, 1181.0, 0.0);
(387091.9, 3813059.4, 1170.5, 1181.0, 0.0); (387103.1, 3813037.9, 1165.8, 1181.0, 0.0);
(387114.2, 3813016.4, 1162.7, 1181.0, 0.0); (387125.4, 3812994.9, 1159.1, 1181.0, 0.0);
(387136.5, 3812973.4, 1154.7, 1181.0, 0.0); (387147.6, 3812952.0, 1148.5, 1181.0, 0.0);
(387158.8, 3812930.5, 1141.7, 1183.8, 0.0); (387169.9, 3812909.0, 1131.6, 1253.2, 0.0);
(387181.1, 3812887.5, 1118.5, 1258.9, 0.0); (387192.2, 3812866.0, 1105.4, 1939.6, 0.0);
(387203.4, 3812844.5, 1095.4, 1939.6, 0.0); (387214.5, 3812823.1, 1086.1, 1958.8, 0.0);
(387225.6, 3812801.6, 1078.4, 1981.2, 0.0); (387236.8, 3812780.1, 1071.3, 1981.2, 0.0);
(387247.9, 3812758.6, 1065.2, 1981.2, 0.0); (387259.1, 3812737.1, 1066.5, 1981.2, 0.0);
(387270.2, 3812715.7, 1074.7, 1981.2, 0.0); (387281.4, 3812694.2, 1086.2, 1981.2, 0.0);
(387292.5, 3812672.7, 1105.1, 1958.8, 0.0); (387303.7, 3812651.2, 1118.1, 1939.6, 0.0);
(387314.8, 3812629.7, 1102.8, 1958.8, 0.0); (387326.0, 3812608.2, 1088.9, 1981.2, 0.0);
(387337.1, 3812586.8, 1074.9, 1988.8, 0.0); (387348.2, 3812565.3, 1059.0, 1990.0, 0.0);
(387359.4, 3812543.8, 1045.3, 1990.0, 0.0); (387370.5, 3812522.3, 1038.5, 1990.0, 0.0);
(387381.7, 3812500.8, 1036.0, 1990.0, 0.0); (387392.8, 3812479.4, 1027.4, 1990.0, 0.0);
(387404.0, 3812457.9, 1015.2, 1990.0, 0.0); (387415.1, 3812436.4, 1001.5, 1990.0, 0.0);
(387426.2, 3812414.9,   990.7, 1990.0, 0.0); (387437.4, 3812393.4,   981.4, 1990.0, 0.0);
(387448.5, 3812371.9,   973.4, 1990.0, 0.0); (387459.7, 3812350.5,   971.2, 1990.0, 0.0);

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     ( 387470.8, 3812329.0,     971.1,    1990.0,       0.0);         ( 387482.0,
3812307.5,     973.5,    1990.0,       0.0);
     ( 387493.1, 3812286.0,     976.5,    1990.0,       0.0);         ( 387504.2,
3812264.5,     974.5,    1990.0,       0.0);
     ( 387515.4, 3812243.1,     967.3,    1990.0,       0.0);         ( 387526.5,
3812221.6,     955.1,    1990.0,       0.0);
     ( 387537.7, 3812200.1,     948.4,    1990.0,       0.0);         ( 387548.8,
3812178.6,     939.3,    1990.0,       0.0);
     ( 387560.0, 3812157.1,     930.4,    1990.0,       0.0);         ( 387571.1,
3812135.7,     922.8,    1990.0,       0.0);
     ( 387582.2, 3812114.2,     915.0,    1990.0,       0.0);         ( 387593.4,
3812092.7,     907.0,    1990.0,       0.0);
     ( 387604.5, 3812071.2,     896.9,    1990.0,       0.0);         ( 387615.7,
3812049.7,     891.5,    1990.0,       0.0);
     ( 387626.8, 3812028.2,     886.5,    1990.0,       0.0);         ( 387638.0,
3812006.8,     882.9,    1990.0,       0.0);
     ( 387649.1, 3811985.3,     878.7,    1990.0,       0.0);         ( 387660.3,
3811963.8,     874.3,    1990.0,       0.0);
     ( 387671.4, 3811942.3,     868.1,    1990.0,       0.0);         ( 387682.5,
3811920.8,     859.6,    1990.0,       0.0);
     ( 387693.7, 3811899.4,     850.1,    1990.0,       0.0);         ( 387704.8,
3811877.9,     840.3,    1990.0,       0.0);
     ( 387716.0, 3811856.4,     829.4,    1990.0,       0.0);         ( 387727.1,
3811834.9,     813.8,    1990.0,       0.0);
     ( 387738.3, 3811813.4,     805.6,    1990.0,       0.0);         ( 387749.4,
3811791.9,     805.4,    1990.0,       0.0);
     ( 387760.5, 3811770.5,     809.6,    1990.0,       0.0);         ( 387771.7,
3811749.0,     814.4,    1990.0,       0.0);
     ( 387782.8, 3811727.5,     815.2,    1990.0,       0.0);         ( 387794.0,
3811706.0,     811.6,    1990.0,       0.0);
     ( 387805.1, 3811684.5,     808.0,    1990.0,       0.0);         ( 387816.3,
3811663.1,     804.0,    1990.0,       0.0);
     ( 387827.4, 3811641.6,     800.0,    1990.0,       0.0);         ( 387838.5,
3811620.1,     795.7,    1990.0,       0.0);
     ( 387849.7, 3811598.6,     791.6,    1990.0,       0.0);         ( 387860.8,
3811577.1,     788.0,    1990.0,       0.0);
     ( 387872.0, 3811555.6,     785.6,    1990.0,       0.0);         ( 387883.1,
3811534.2,     782.9,    1990.0,       0.0);
     ( 387894.3, 3811512.7,     780.1,    1990.0,       0.0);         ( 387905.4,
3811491.2,     777.3,    1990.0,       0.0);
     ( 387916.6, 3811469.7,     773.7,    1990.0,       0.0);         ( 387927.7,
3811448.2,     772.2,    1990.0,       0.0);
     ( 387938.8, 3811426.8,     768.2,    1990.0,       0.0);         ( 387950.0,
3811405.3,     763.7,    1990.0,       0.0);
     ( 387961.1, 3811383.8,     762.0,    1990.0,       0.0);         ( 387972.3,
3811362.3,     759.5,    1990.0,       0.0);
     ( 387983.4, 3811340.8,     756.5,    1990.0,       0.0);         ( 387994.6,
3811319.4,     755.5,    1990.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(388005.7, 3811297.9, 755.6, 1990.0, 0.0); (388016.8, 3811276.4, 755.2, 1990.0, 0.0);
(388028.0, 3811254.9, 754.9, 1990.0, 0.0); (388039.1, 3811233.4, 755.1, 1990.0, 0.0);
(388050.3, 3811211.9, 755.2, 1990.0, 0.0); (388061.4, 3811190.5, 756.8, 1990.0, 0.0);
(388072.6, 3811169.0, 759.9, 1990.0, 0.0); (388083.7, 3811147.5, 761.2, 1990.0, 0.0);
(388094.9, 3811126.0, 762.4, 1990.0, 0.0); (388106.0, 3811104.5, 763.4, 1990.0, 0.0);
(388117.1, 3811083.1, 763.9, 1990.0, 0.0); (388128.3, 3811061.6, 764.9, 1990.0, 0.0);
(388139.4, 3811040.1, 766.7, 1990.0, 0.0); (388150.6, 3811018.6, 768.0, 1990.0, 0.0);
(388161.7, 3810997.1, 771.8, 1990.0, 0.0); (388172.9, 3810975.6, 772.9, 1990.0, 0.0);
(388184.0, 3810954.2, 776.2, 1990.0, 0.0); (388195.1, 3810932.7, 776.3, 1990.0, 0.0);
(388206.3, 3810911.2, 777.8, 1990.0, 0.0); (388217.4, 3810889.7, 780.9, 1990.0, 0.0);
(388228.6, 3810868.2, 782.8, 1990.0, 0.0); (388239.7, 3810846.8, 783.3, 1990.0, 0.0);
(388250.9, 3810825.3, 783.5, 1990.0, 0.0); (388262.0, 3810803.8, 781.9, 1990.0, 0.0);
(388273.1, 3810782.3, 779.4, 1990.0, 0.0); (388284.3, 3810760.8, 780.0, 1990.0, 0.0);
(388295.4, 3810739.3, 781.2, 1990.0, 0.0); (388306.6, 3810717.9, 785.1, 1990.0, 0.0);
(388317.7, 3810696.4, 791.8, 1990.0, 0.0); (388328.9, 3810674.9, 795.3, 1990.0, 0.0);
(388340.0, 3810653.4, 795.0, 1990.0, 0.0); (388351.2, 3810631.9, 795.5, 1990.0, 0.0);
(388362.3, 3810610.5, 798.7, 1990.0, 0.0); (388373.5, 3810589.0, 800.7, 1990.0, 0.0);
(388384.6, 3810567.5, 799.6, 1990.0, 0.0); (388395.7, 3810546.0, 799.1, 1990.0, 0.0);
(388406.9, 3810524.5, 799.8, 1990.0, 0.0); (388418.0, 3810503.1, 800.4, 1990.0, 0.0);
(388429.2, 3810481.6, 802.5, 1990.0, 0.0); (388440.3, 3810460.1, 810.8, 1990.0, 0.0);

```
     ( 388451.5, 3810438.6,     812.5,    1990.0,       0.0);         ( 388462.6,
3810417.1,     814.4,    1990.0,       0.0);
     ( 388473.7, 3810395.6,     817.7,    1990.0,       0.0);         ( 388484.9,
3810374.2,     813.2,    1990.0,       0.0);
     ( 388496.0, 3810352.7,     809.3,    1990.0,       0.0);         ( 388507.2,
3810331.2,     807.1,    1990.0,       0.0);
     ( 388518.3, 3810309.7,     807.3,    1990.0,       0.0);         ( 388529.5,
3810288.2,     809.6,    1990.0,       0.0);
     ( 388540.6, 3810266.8,     811.9,    1990.0,       0.0);         ( 388551.8,
3810245.3,     813.1,    1990.0,       0.0);
     ( 388562.9, 3810223.8,     815.4,    1990.0,       0.0);         ( 388574.0,
3810202.3,     817.7,    1990.0,       0.0);
     ( 388585.2, 3810180.8,     820.0,    1990.0,       0.0);         ( 388596.3,
3810159.3,     822.4,    1990.0,       0.0);
     ( 388607.5, 3810137.9,     824.8,    1990.0,       0.0);         ( 388618.6,
3810116.4,     827.2,    1990.0,       0.0);
     ( 388629.8, 3810094.9,     830.2,    1990.0,       0.0);         ( 388640.9,
3810073.4,     832.8,    1990.0,       0.0);
     ( 388652.0, 3810051.9,     835.1,    1990.0,       0.0);         ( 388663.2,
3810030.5,     839.4,    1990.0,       0.0);
     ( 388674.3, 3810009.0,     843.8,    1990.0,       0.0);         ( 388685.5,
3809987.5,     849.6,    1990.0,       0.0);
     ( 388696.6, 3809966.0,     856.7,    1990.0,       0.0);         ( 388707.8,
3809944.5,     859.0,    1990.0,       0.0);
     ( 388718.9, 3809923.0,     858.9,    1990.0,       0.0);         ( 388730.0,
3809901.6,     858.0,    1990.0,       0.0);
     ( 388741.2, 3809880.1,     857.5,    1990.0,       0.0);         ( 388752.3,
3809858.6,     857.1,    1990.0,       0.0);
     ( 388763.5, 3809837.1,     859.6,    1990.0,       0.0);         ( 388774.6,
3809815.6,     867.3,    1990.0,       0.0);
     ( 388785.8, 3809794.2,     869.6,    1990.0,       0.0);         ( 388796.9,
3809772.7,     865.7,    1990.0,       0.0);
     ( 388808.0, 3809751.2,     871.6,    1990.0,       0.0);         ( 388819.2,
3809729.7,     879.2,    1990.0,       0.0);
     ( 388830.3, 3809708.2,     882.6,    1990.0,       0.0);         ( 388841.5,
3809686.8,     874.5,    1990.0,       0.0);
     ( 388852.6, 3809665.3,     879.5,    1990.0,       0.0);         ( 388863.8,
3809643.8,     882.7,    1990.0,       0.0);
     ( 388874.9, 3809622.3,     875.1,    1990.0,       0.0);         ( 388886.0,
3809600.8,     877.6,    1990.0,       0.0);
     ( 388897.2, 3809579.3,     886.8,    1990.0,       0.0);         ( 388908.3,
3809557.9,     901.1,    1990.0,       0.0);
     ( 388919.5, 3809536.4,     913.4,    1990.0,       0.0);         ( 388930.6,
3809514.9,     925.3,    1990.0,       0.0);
     ( 388941.8, 3809493.4,     935.5,    1990.0,       0.0);         ( 388952.9,
3809471.9,     942.9,    1990.0,       0.0);
     ( 388964.1, 3809450.5,     941.3,    1990.0,       0.0);         ( 388975.2,
3809429.0,     935.7,    1990.0,       0.0);
     ( 388986.3, 3809407.5,     927.2,    1990.0,       0.0);         ( 388997.5,
3809386.0,     937.3,    1990.0,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(389008.6, 3809364.5, 951.9, 1990.0, 0.0); (389019.8, 3809343.0, 966.5, 1990.0, 0.0);
(389030.9, 3809321.6, 981.0, 1990.0, 0.0); (389042.1, 3809300.1, 995.3, 1990.0, 0.0);
(389053.2, 3809278.6, 1007.0, 1990.0, 0.0); (389064.3, 3809257.1, 1014.0, 1990.0, 0.0);
(389075.5, 3809235.6, 1020.8, 1990.0, 0.0); (389086.6, 3809214.2, 1029.7, 1990.0, 0.0);
(389097.8, 3809192.7, 1040.8, 1990.0, 0.0); (389108.9, 3809171.2, 1050.6, 1990.0, 0.0);
(389120.1, 3809149.7, 1060.0, 1990.0, 0.0); (389131.2, 3809128.2, 1062.0, 1990.0, 0.0);
(389142.4, 3809106.8, 1055.2, 1990.0, 0.0); (389153.5, 3809085.3, 1048.5, 1990.0, 0.0);
(389164.6, 3809063.8, 1049.7, 1990.0, 0.0); (389175.8, 3809042.3, 1065.3, 1990.0, 0.0);
(389186.9, 3809020.8, 1079.0, 1990.0, 0.0); (389198.1, 3808999.3, 1092.8, 1990.0, 0.0);
(389209.2, 3808977.9, 1102.3, 1990.0, 0.0); (389220.4, 3808956.4, 1102.3, 1990.0, 0.0);
(389231.5, 3808934.9, 1094.0, 1990.0, 0.0); (389242.6, 3808913.4, 1085.8, 1990.0, 0.0);
(389277.4, 3808886.7, 1069.4, 1990.0, 0.0); (389301.0, 3808881.4, 1060.9, 1990.0, 0.0);
(389324.7, 3808876.2, 1062.5, 1990.0, 0.0); (389348.3, 3808870.9, 1051.0, 1990.0, 0.0);
(389371.9, 3808865.7, 1041.2, 1990.0, 0.0); (389395.5, 3808860.4, 1039.6, 1990.0, 0.0);
(389419.1, 3808855.2, 1045.7, 1990.0, 0.0); (389442.8, 3808849.9, 1050.4, 1990.0, 0.0);
(389466.4, 3808844.6, 1049.8, 1990.0, 0.0); (389490.0, 3808839.4, 1044.5, 1990.0, 0.0);
(389513.6, 3808834.1, 1035.4, 1990.0, 0.0); (389537.3, 3808828.9, 1025.9, 1990.0, 0.0);
(389560.9, 3808823.6, 1021.6, 1990.0, 0.0); (389584.5, 3808818.4, 1029.1, 1990.0, 0.0);
(389608.1, 3808813.1, 1035.5, 1990.0, 0.0); (389631.8, 3808807.9, 1034.2, 1990.0, 0.0);

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    ( 389655.4, 3808802.6,    1029.5,    1990.0,       0.0);         ( 389679.0,
3808797.4,    1022.1,    1990.0,       0.0);
    ( 389702.6, 3808792.1,    1016.9,    1990.0,       0.0);         ( 389726.2,
3808786.8,    1016.5,    1990.0,       0.0);
    ( 389749.9, 3808781.6,    1019.9,    1990.0,       0.0);         ( 389773.5,
3808776.3,    1023.9,    1990.0,       0.0);
    ( 389797.1, 3808771.1,    1027.1,    1990.0,       0.0);         ( 389820.7,
3808765.8,    1028.1,    1990.0,       0.0);
    ( 389844.4, 3808760.6,    1027.6,    1990.0,       0.0);         ( 389868.0,
3808755.3,    1026.8,    1990.0,       0.0);
    ( 389891.6, 3808750.1,    1025.4,    1990.0,       0.0);         ( 389915.2,
3808744.8,    1023.4,    1990.0,       0.0);
    ( 389938.8, 3808739.6,    1023.8,    1990.0,       0.0);         ( 389962.5,
3808734.3,    1022.0,    1990.0,       0.0);
    ( 389986.1, 3808729.0,    1022.6,    1990.0,       0.0);         ( 390009.7,
3808723.8,    1029.3,    1990.0,       0.0);
    ( 390033.3, 3808718.5,    1035.6,    1990.0,       0.0);         ( 390057.0,
3808713.3,    1037.3,    1990.0,       0.0);
    ( 390080.6, 3808708.0,    1037.5,    1990.0,       0.0);         ( 390104.2,
3808702.8,    1037.2,    1990.0,       0.0);
    ( 390127.8, 3808697.5,    1036.1,    1990.0,       0.0);         ( 390151.5,
3808692.3,    1034.4,    1990.0,       0.0);
    ( 390175.1, 3808687.0,    1032.9,    1990.0,       0.0);         ( 390198.7,
3808681.8,    1033.2,    1990.0,       0.0);
    ( 390222.3, 3808676.5,    1037.5,    1990.0,       0.0);         ( 390246.0,
3808671.3,    1039.6,    1990.0,       0.0);
    ( 390269.6, 3808666.0,    1034.0,    1990.0,       0.0);         ( 390293.2,
3808660.8,    1023.1,    1990.0,       0.0);
    ( 390316.8, 3808655.5,    1010.3,    1990.0,       0.0);         ( 390340.4,
3808650.2,    1009.1,    1990.0,       0.0);
    ( 390364.1, 3808645.0,    1015.5,    1990.0,       0.0);         ( 390387.7,
3808639.7,    1026.5,    1990.0,       0.0);
    ( 390411.3, 3808634.5,    1036.3,    1990.0,       0.0);         ( 390434.9,
3808629.2,    1036.5,    1990.0,       0.0);
    ( 390458.5, 3808624.0,    1031.4,    1990.0,       0.0);         ( 390482.2,
3808618.7,    1028.1,    1990.0,       0.0);
    ( 390505.8, 3808613.5,    1027.4,    1990.0,       0.0);         ( 390529.4,
3808608.2,    1030.5,    1990.0,       0.0);
    ( 390553.0, 3808602.9,    1038.6,    1990.0,       0.0);         ( 390576.7,
3808597.7,    1043.7,    1990.0,       0.0);
    ( 390600.3, 3808592.4,    1046.0,    1990.0,       0.0);         ( 390623.9,
3808587.2,    1046.6,    1990.0,       0.0);
    ( 390647.5, 3808581.9,    1045.6,    1990.0,       0.0);         ( 390671.1,
3808576.7,    1044.4,    1990.0,       0.0);
    ( 390694.8, 3808571.4,    1041.1,    1990.0,       0.0);         ( 390718.4,
3808566.2,    1036.0,    1990.0,       0.0);
    ( 390742.0, 3808560.9,    1036.2,    1990.0,       0.0);         ( 390765.6,
3808555.7,    1040.6,    1990.0,       0.0);
    ( 390789.3, 3808550.4,    1046.6,    1990.0,       0.0);         ( 390812.9,
3808545.1,    1053.2,    1990.0,       0.0);
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(390836.5, 3808539.9, 1059.0, 1990.0, 0.0); (390860.1,
3808534.6, 1064.5, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(390883.8, 3808529.4, 1071.7, 1990.0, 0.0); (390907.4,
3808524.1, 1078.6, 1990.0, 0.0);
(390931.0, 3808518.9, 1081.8, 1990.0, 0.0); (390954.6,
3808513.6, 1077.8, 1990.0, 0.0);
(390978.2, 3808508.4, 1074.7, 1990.0, 0.0); (391001.9,
3808503.1, 1076.4, 1990.0, 0.0);
(391025.5, 3808497.9, 1077.2, 1990.0, 0.0); (391049.1,
3808492.6, 1073.4, 1990.0, 0.0);
(391072.7, 3808487.4, 1068.9, 1990.0, 0.0); (391096.4,
3808482.1, 1069.6, 1990.0, 0.0);
(391120.0, 3808476.8, 1068.9, 1990.0, 0.0); (391143.6,
3808471.6, 1061.4, 1990.0, 0.0);
(391167.2, 3808466.3, 1052.9, 1990.0, 0.0); (391190.8,
3808461.1, 1050.0, 1990.0, 0.0);
(391214.5, 3808455.8, 1053.3, 1990.0, 0.0); (391238.1,
3808450.6, 1055.7, 1990.0, 0.0);
(391261.7, 3808445.3, 1046.2, 1990.0, 0.0); (391285.3,
3808440.1, 1042.4, 1990.0, 0.0);
(391309.0, 3808434.8, 1044.0, 1990.0, 0.0); (391332.6,
3808429.6, 1043.7, 1990.0, 0.0);
(391356.2, 3808424.3, 1037.2, 1990.0, 0.0); (391379.8,
3808419.0, 1040.8, 1990.0, 0.0);
(391403.5, 3808413.8, 1044.3, 1990.0, 0.0); (391427.1,
3808408.5, 1041.5, 1990.0, 0.0);
(391450.7, 3808403.3, 1042.9, 1990.0, 0.0); (391474.3,
3808398.0, 1052.0, 1990.0, 0.0);
(391498.0, 3808392.8, 1060.8, 1990.0, 0.0); (391521.6,
3808387.5, 1070.6, 1990.0, 0.0);
(391545.2, 3808382.3, 1073.5, 1990.0, 0.0); (391568.8,
3808377.0, 1064.0, 1990.0, 0.0);
(391592.4, 3808371.8, 1051.7, 1990.0, 0.0); (391616.1,
3808366.5, 1042.4, 1990.0, 0.0);
(391639.7, 3808361.2, 1045.7, 1990.0, 0.0); (391663.3,
3808356.0, 1048.6, 1990.0, 0.0);
(391686.9, 3808350.8, 1053.1, 1990.0, 0.0); (391710.5,
3808345.5, 1058.8, 1990.0, 0.0);

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    ( 391734.2, 3808340.2,    1061.7,    1990.0,       0.0);         ( 391757.8,
3808335.0,    1059.0,    1990.0,       0.0);
    ( 391781.4, 3808329.7,    1052.6,    1990.0,       0.0);         ( 391805.0,
3808324.5,    1046.0,    1990.0,       0.0);
    ( 391828.7, 3808319.2,    1037.1,    1990.0,       0.0);         ( 391852.3,
3808314.0,    1025.5,    1990.0,       0.0);
    ( 391875.9, 3808308.7,    1014.7,    1990.0,       0.0);         ( 391899.5,
3808303.5,    1012.7,    1990.0,       0.0);
    ( 391923.2, 3808298.2,    1020.5,    1990.0,       0.0);         ( 391946.8,
3808292.9,    1018.3,    1990.0,       0.0);
    ( 391970.4, 3808287.7,    1011.8,    1990.0,       0.0);         ( 391994.0,
3808282.4,    1012.4,    1990.0,       0.0);
    ( 392017.6, 3808277.2,    1018.6,    1990.0,       0.0);         ( 392041.3,
3808271.9,    1031.1,    1990.0,       0.0);
    ( 392064.9, 3808266.7,    1043.0,    1990.0,       0.0);         ( 392088.5,
3808261.4,    1049.5,    1990.0,       0.0);
    ( 392112.1, 3808256.2,    1055.2,    1990.0,       0.0);         ( 392135.8,
3808250.9,    1066.1,    1990.0,       0.0);
    ( 392159.4, 3808245.7,    1075.5,    1990.0,       0.0);         ( 392183.0,
3808240.4,    1086.1,    1990.0,       0.0);
    ( 392206.6, 3808235.1,    1094.7,    1990.0,       0.0);         ( 392230.2,
3808229.9,    1107.2,    1990.0,       0.0);
    ( 392253.9, 3808224.6,    1117.2,    1990.0,       0.0);         ( 392277.5,
3808219.4,    1134.0,    1990.0,       0.0);
    ( 392301.1, 3808214.1,    1142.8,    1990.0,       0.0);         ( 392324.7,
3808208.9,    1147.0,    1990.0,       0.0);
    ( 392348.4, 3808203.6,    1153.9,    1990.0,       0.0);         ( 392372.0,
3808198.4,    1159.6,    1990.0,       0.0);
    ( 392395.6, 3808193.1,    1167.5,    1990.0,       0.0);         ( 392419.2,
3808187.9,    1172.4,    1990.0,       0.0);
    ( 392442.9, 3808182.6,    1175.9,    1990.0,       0.0);         ( 392466.5,
3808177.3,    1184.0,    1990.0,       0.0);
    ( 392490.1, 3808172.1,    1193.3,    1990.0,       0.0);         ( 392513.7,
3808166.8,    1205.6,    1990.0,       0.0);
    ( 392537.3, 3808161.6,    1220.2,    1990.0,       0.0);         ( 392561.0,
3808156.3,    1224.5,    1990.0,       0.0);
    ( 392584.6, 3808151.1,    1221.2,    1990.0,       0.0);         ( 392608.2,
3808145.8,    1232.4,    1990.0,       0.0);
    ( 392631.8, 3808140.6,    1236.3,    1990.0,       0.0);         ( 392655.5,
3808135.3,    1234.9,    1990.0,       0.0);
    ( 392679.1, 3808130.1,    1227.0,    1990.0,       0.0);         ( 392702.7,
3808124.8,    1214.2,    1990.0,       0.0);
    ( 392726.3, 3808119.6,    1200.1,    1990.0,       0.0);         ( 392750.0,
3808114.3,    1189.0,    1990.0,       0.0);
    ( 392773.6, 3808109.0,    1187.8,    1990.0,       0.0);         ( 392797.2,
3808103.8,    1198.8,    1990.0,       0.0);
    ( 392820.8, 3808098.5,    1213.1,    1990.0,       0.0);         ( 392844.4,
3808093.3,    1224.3,    1990.0,       0.0);
    ( 392868.1, 3808088.0,    1230.9,    1990.0,       0.0);         ( 392891.7,
3808082.8,    1234.4,    1990.0,       0.0);
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(392915.3, 3808077.5, 1239.5, 1990.0, 0.0); (392938.9,
3808072.3, 1243.8, 1990.0, 0.0);
(392962.5, 3808067.0, 1247.2, 1990.0, 0.0); (392986.2,
3808061.8, 1254.4, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(393009.8, 3808056.5, 1258.5, 1990.0, 0.0); (393033.4,
3808051.2, 1263.1, 1990.0, 0.0);
(393057.0, 3808046.0, 1268.6, 1990.0, 0.0); (393080.7,
3808040.7, 1272.0, 1990.0, 0.0);
(393104.3, 3808035.5, 1275.0, 1990.0, 0.0); (393127.9,
3808030.2, 1280.8, 1990.0, 0.0);
(393151.5, 3808025.0, 1287.9, 1990.0, 0.0); (393175.2,
3808019.7, 1293.7, 1990.0, 0.0);
(393198.8, 3808014.5, 1304.0, 1990.0, 0.0); (393222.4,
3808009.2, 1311.5, 1990.0, 0.0);
(393246.0, 3808004.0, 1316.0, 1990.0, 0.0); (393269.6,
3807998.7, 1320.5, 1990.0, 0.0);
(393293.3, 3807993.5, 1327.5, 1990.0, 0.0); (393316.9,
3807988.2, 1334.9, 1990.0, 0.0);
(393340.5, 3807982.9, 1346.7, 1990.0, 0.0); (393364.1,
3807977.7, 1362.6, 1990.0, 0.0);
(393387.8, 3807972.4, 1378.9, 1990.0, 0.0); (393411.4,
3807967.2, 1393.5, 1990.0, 0.0);
(393435.0, 3807961.9, 1399.4, 1990.0, 0.0); (393458.6,
3807956.7, 1394.2, 1990.0, 0.0);
(393482.2, 3807951.4, 1390.8, 1990.0, 0.0); (393505.9,
3807946.2, 1395.8, 1990.0, 0.0);
(393529.5, 3807940.9, 1393.9, 1990.0, 0.0); (393553.1,
3807935.7, 1391.2, 1990.0, 0.0);
(393576.7, 3807930.4, 1381.3, 1990.0, 0.0); (393600.4,
3807925.1, 1377.3, 1990.0, 0.0);
(393624.0, 3807919.9, 1381.5, 1990.0, 0.0); (393647.6,
3807914.6, 1394.7, 1990.0, 0.0);
(393671.2, 3807909.4, 1412.0, 1990.0, 0.0); (393694.9,
3807904.1, 1427.0, 1990.0, 0.0);
(393718.5, 3807898.9, 1432.4, 1990.0, 0.0); (393742.1,
3807893.6, 1430.5, 1990.0, 0.0);
(393765.7, 3807888.4, 1424.5, 1990.0, 0.0); (393789.3,
3807883.1, 1412.0, 1990.0, 0.0);

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    ( 393813.0, 3807877.9,    1397.0,    1990.0,       0.0);         ( 393836.6,
3807872.6,    1381.9,    1990.0,       0.0);
    ( 393860.2, 3807867.3,    1364.4,    1990.0,       0.0);         ( 393883.8,
3807862.1,    1351.5,    1990.0,       0.0);
    ( 393907.5, 3807856.8,    1339.8,    1990.0,       0.0);         ( 393931.1,
3807851.6,    1330.6,    1990.0,       0.0);
    ( 393954.7, 3807846.3,    1336.3,    1990.0,       0.0);         ( 393978.3,
3807841.1,    1345.3,    1990.0,       0.0);
    ( 394002.0, 3807835.8,    1354.9,    1990.0,       0.0);         ( 394025.6,
3807830.6,    1366.6,    1990.0,       0.0);
    ( 394049.2, 3807825.3,    1379.0,    1990.0,       0.0);         ( 394072.8,
3807820.1,    1387.4,    1990.0,       0.0);
    ( 394096.4, 3807814.8,    1384.4,    1990.0,       0.0);         ( 394120.1,
3807809.6,    1372.2,    1990.0,       0.0);
    ( 394143.7, 3807804.3,    1358.9,    1990.0,       0.0);         ( 394167.3,
3807799.0,    1348.2,    1990.0,       0.0);
    ( 394190.9, 3807793.8,    1338.2,    1990.0,       0.0);         ( 394214.6,
3807788.5,    1323.4,    1990.0,       0.0);
    ( 394238.2, 3807783.3,    1307.0,    1990.0,       0.0);         ( 394261.8,
3807778.0,    1289.5,    1990.0,       0.0);
    ( 394285.4, 3807772.8,    1270.2,    1990.0,       0.0);         ( 394309.0,
3807767.5,    1253.3,    1990.0,       0.0);
    ( 394332.7, 3807762.3,    1236.5,    1990.0,       0.0);         ( 394356.3,
3807757.0,    1224.1,    1990.0,       0.0);
    ( 394379.9, 3807751.8,    1215.0,    1990.0,       0.0);         ( 394403.5,
3807746.5,    1204.9,    2003.2,       0.0);
    ( 394427.2, 3807741.2,    1199.8,    2010.3,       0.0);         ( 394450.8,
3807736.0,    1208.3,    2003.2,       0.0);
    ( 394474.4, 3807730.7,    1224.3,    1990.0,       0.0);         ( 394498.0,
3807725.5,    1238.5,    1990.0,       0.0);
    ( 394521.6, 3807720.2,    1253.8,    1990.0,       0.0);         ( 394545.3,
3807715.0,    1267.3,    1990.0,       0.0);
    ( 394568.9, 3807709.7,    1268.6,    1990.0,       0.0);         ( 394592.5,
3807704.5,    1262.7,    1990.0,       0.0);
    ( 394616.1, 3807699.2,    1266.0,    1990.0,       0.0);         ( 394639.8,
3807694.0,    1276.3,    1990.0,       0.0);
    ( 394663.4, 3807688.7,    1290.7,    1990.0,       0.0);         ( 394687.0,
3807683.4,    1305.0,    1990.0,       0.0);
    ( 394710.6, 3807678.2,    1315.9,    1990.0,       0.0);         ( 394734.3,
3807672.9,    1322.4,    1990.0,       0.0);
    ( 394757.9, 3807667.7,    1329.4,    1990.0,       0.0);         ( 394781.5,
3807662.4,    1340.8,    1990.0,       0.0);
    ( 394805.1, 3807657.2,    1354.7,    1990.0,       0.0);         ( 394828.8,
3807651.9,    1370.6,    1990.0,       0.0);
    ( 394852.4, 3807646.7,    1383.0,    1990.0,       0.0);         ( 394876.0,
3807641.4,    1394.7,    1990.0,       0.0);
    ( 394899.6, 3807636.2,    1409.2,    1990.0,       0.0);         ( 394923.2,
3807630.9,    1423.7,    1990.0,       0.0);
    ( 394946.9, 3807625.7,    1429.2,    1990.0,       0.0);         ( 394970.5,
3807620.4,    1432.3,    1990.0,       0.0);
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(394994.1, 3807615.1, 1429.2, 1990.0, 0.0); (395017.7,
3807609.9, 1418.2, 1990.0, 0.0);
(395041.3, 3807604.6, 1405.9, 1990.0, 0.0); (395065.0,
3807599.4, 1404.6, 1990.0, 0.0);
(395088.6, 3807594.1, 1418.3, 1990.0, 0.0); (395112.2,
3807588.9, 1439.5, 1990.0, 0.0);

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

(395135.8, 3807583.6, 1459.7, 1990.0, 0.0); (395159.5,
3807578.4, 1476.0, 1990.0, 0.0);
(395183.1, 3807573.1, 1492.7, 1990.0, 0.0); (395206.7,
3807567.9, 1507.2, 1990.0, 0.0);
(395230.3, 3807562.6, 1522.3, 1990.0, 0.0); (395254.0,
3807557.3, 1538.6, 1832.7, 0.0);
(395277.6, 3807552.1, 1553.4, 1832.7, 0.0); (395301.2,
3807546.8, 1565.7, 1832.7, 0.0);
(395324.8, 3807541.6, 1577.4, 1832.7, 0.0); (395348.5,
3807536.3, 1588.9, 1830.7, 0.0);
(395372.1, 3807531.1, 1597.1, 1614.7, 0.0); (395395.7,
3807525.8, 1598.8, 1614.0, 0.0);
(395419.3, 3807520.6, 1593.3, 1830.7, 0.0); (395442.9,
3807515.3, 1582.8, 1832.7, 0.0);
(395466.6, 3807510.1, 1570.3, 1832.7, 0.0); (395490.2,
3807504.8, 1558.3, 1832.7, 0.0);
(395513.8, 3807499.5, 1546.0, 1832.7, 0.0); (395537.4,
3807494.3, 1533.4, 1832.7, 0.0);
(395561.0, 3807489.0, 1521.4, 1832.7, 0.0); (395584.7,
3807483.8, 1510.0, 1832.7, 0.0);
(395608.3, 3807478.5, 1495.4, 1990.0, 0.0); (395631.9,
3807473.3, 1474.8, 1990.0, 0.0);
(395655.5, 3807468.0, 1456.0, 1990.0, 0.0); (395679.2,
3807462.8, 1438.6, 1990.0, 0.0);
(395702.8, 3807457.5, 1422.1, 1990.0, 0.0); (395726.4,
3807452.3, 1406.8, 1990.0, 0.0);
(395750.0, 3807447.0, 1391.5, 1990.0, 0.0); (395773.6,
3807441.8, 1380.7, 1990.0, 0.0);
(395797.3, 3807436.5, 1382.2, 1990.0, 0.0); (395820.9,
3807431.2, 1379.2, 1990.0, 0.0);
(395844.5, 3807426.0, 1382.7, 1990.0, 0.0); (395868.1,
3807420.7, 1376.7, 1990.0, 0.0);

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    ( 395891.8, 3807415.5,    1368.1,    1990.0,       0.0);         ( 395915.4,
3807410.2,    1364.0,    1990.0,       0.0);
    ( 395939.0, 3807405.0,    1357.7,    1990.0,       0.0);         ( 395962.6,
3807399.7,    1351.7,    2003.6,       0.0);
    ( 395986.3, 3807394.5,    1347.9,    2010.3,       0.0);         ( 396009.9,
3807389.2,    1343.3,    2010.3,       0.0);
    ( 396033.5, 3807384.0,    1334.3,    2010.3,       0.0);         ( 396057.1,
3807378.7,    1321.2,    2010.3,       0.0);
    ( 396080.8, 3807373.4,    1309.7,    2083.7,       0.0);         ( 396104.4,
3807368.2,    1298.5,    2084.7,       0.0);
    ( 396128.0, 3807362.9,    1288.2,    2084.7,       0.0);         ( 396151.6,
3807357.7,    1280.0,    2084.7,       0.0);
    ( 396175.2, 3807352.4,    1267.4,    2170.7,       0.0);         ( 396198.9,
3807347.2,    1262.7,    2170.7,       0.0);
    ( 396222.5, 3807341.9,    1260.5,    2170.7,       0.0);         ( 396246.1,
3807336.7,    1256.3,    2170.7,       0.0);
    ( 396269.7, 3807331.4,    1250.8,    2170.7,       0.0);         ( 396293.3,
3807326.2,    1246.1,    2170.7,       0.0);
    ( 396317.0, 3807320.9,    1242.5,    2170.7,       0.0);         ( 396340.6,
3807315.6,    1241.0,    2170.7,       0.0);
    ( 396364.2, 3807310.4,    1248.1,    2170.7,       0.0);         ( 396387.8,
3807305.1,    1262.4,    2170.7,       0.0);
    ( 396411.5, 3807299.9,    1271.7,    2170.7,       0.0);         ( 396435.1,
3807294.6,    1267.5,    2170.7,       0.0);
    ( 396458.7, 3807289.4,    1266.8,    2170.7,       0.0);         ( 396482.3,
3807284.1,    1263.0,    2170.7,       0.0);
    ( 396506.0, 3807278.9,    1269.5,    2170.7,       0.0);         ( 396529.6,
3807273.6,    1282.5,    2170.7,       0.0);
    ( 396553.2, 3807268.4,    1291.0,    2170.7,       0.0);         ( 396576.8,
3807263.1,    1304.3,    2170.7,       0.0);
    ( 396600.5, 3807257.9,    1320.3,    2084.7,       0.0);         ( 396624.1,
3807252.6,    1336.2,    2084.7,       0.0);
    ( 396647.7, 3807247.3,    1352.9,    2084.7,       0.0);         ( 396671.3,
3807242.1,    1369.3,    2083.7,       0.0);
    ( 396694.9, 3807236.8,    1385.5,    2010.3,       0.0);         ( 396718.6,
3807231.6,    1402.1,    2010.3,       0.0);
    ( 396742.2, 3807226.3,    1419.1,    2010.3,       0.0);         ( 396765.8,
3807221.1,    1430.9,    2003.3,       0.0);
    ( 385676.7, 3815787.5,    1014.9,    1102.8,       0.0);         ( 385675.7,
3815811.7,    1017.9,    1102.8,       0.0);
    ( 385674.7, 3815835.9,    1020.1,    1102.8,       0.0);         ( 385673.6,
3815860.1,    1019.8,    1102.8,       0.0);
    ( 385672.6, 3815884.3,    1016.6,    1102.8,       0.0);         ( 385671.6,
3815908.6,    1017.2,    1102.8,       0.0);
    ( 385670.6, 3815932.8,    1012.8,    1102.8,       0.0);         ( 384355.7,
3815710.3,     924.4,    1105.5,       0.0);
    ( 384366.8, 3815688.8,     932.1,    1105.5,       0.0);         ( 384377.9,
3815667.4,     939.1,    1105.5,       0.0);
    ( 384389.0, 3815645.9,     945.8,    1105.5,       0.0);         ( 384400.2,
3815624.5,     953.2,     976.4,       0.0);
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(384411.3, 3815603.0, 958.9, 976.4, 0.0); (384422.5, 3815581.5, 962.1, 976.4, 0.0);
(384433.6, 3815560.1, 955.7, 976.4, 0.0); (384444.7, 3815538.6, 947.0, 976.4, 0.0);
(384455.8, 3815517.2, 937.8, 1050.8, 0.0); (384467.0, 3815495.7, 925.1, 1105.5, 0.0);
(384478.1, 3815474.3, 920.3, 1105.5, 0.0); (384489.2, 3815452.8, 917.9, 1105.5, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(384500.4, 3815431.3, 917.7, 1105.5, 0.0); (384511.5, 3815409.9, 919.3, 1105.5, 0.0);
(384522.6, 3815388.4, 916.8, 1105.5, 0.0); (384533.8, 3815367.0, 908.2, 1105.5, 0.0);
(384544.9, 3815345.5, 897.0, 1105.5, 0.0); (384556.0, 3815324.0, 896.8, 1105.5, 0.0);
(384567.2, 3815302.6, 901.7, 1105.5, 0.0); (384578.3, 3815281.1, 901.9, 1105.5, 0.0);
(384589.4, 3815259.7, 899.7, 1105.5, 0.0); (384600.5, 3815238.2, 895.9, 1105.5, 0.0);
(384611.7, 3815216.8, 889.5, 1105.5, 0.0); (384622.8, 3815195.3, 882.1, 1258.9, 0.0);
(384634.0, 3815173.8, 875.4, 1258.9, 0.0); (384645.1, 3815152.4, 874.1, 1258.9, 0.0);
(384656.2, 3815130.9, 877.5, 1258.9, 0.0); (384667.3, 3815109.5, 877.8, 1258.9, 0.0);
(384678.5, 3815088.0, 873.6, 1258.9, 0.0); (384689.6, 3815066.5, 866.2, 1258.9, 0.0);
(384700.7, 3815045.1, 858.2, 1258.9, 0.0); (384711.9, 3815023.6, 854.0, 1258.9, 0.0);
(384723.0, 3815002.2, 852.6, 1258.9, 0.0); (384734.1, 3814980.7, 847.9, 1258.9, 0.0);
(384745.3, 3814959.2, 843.7, 1258.9, 0.0); (384756.4, 3814937.8, 840.6, 1258.9, 0.0);
(384767.5, 3814916.3, 837.1, 1258.9, 0.0); (384778.7, 3814894.9, 834.4, 1258.9, 0.0);
(384789.8, 3814873.4, 830.3, 1258.9, 0.0); (384800.9, 3814852.0, 827.3, 1258.9, 0.0);
(384812.1, 3814830.5, 829.2, 1258.9, 0.0); (384823.2, 3814809.0, 831.1, 1258.9, 0.0);

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     ( 384834.3, 3814787.6,     831.9,    1258.9,       0.0);         ( 384845.5,
3814766.1,     838.1,    1258.9,       0.0);
     ( 384856.6, 3814744.7,     844.7,    1258.9,       0.0);         ( 384867.7,
3814723.2,     853.8,    1258.9,       0.0);
     ( 384878.8, 3814701.8,     863.4,    1258.9,       0.0);         ( 384890.0,
3814680.3,     870.3,    1258.9,       0.0);
     ( 384901.1, 3814658.8,     874.4,    1258.9,       0.0);         ( 384912.2,
3814637.4,     869.9,    1258.9,       0.0);
     ( 384923.4, 3814615.9,     865.7,    1258.9,       0.0);         ( 384934.5,
3814594.4,     863.4,    1258.9,       0.0);
     ( 384945.6, 3814573.0,     860.8,    1258.9,       0.0);         ( 384956.8,
3814551.5,     857.0,    1258.9,       0.0);
     ( 384967.9, 3814530.1,     851.4,    1939.6,       0.0);         ( 384979.0,
3814508.6,     844.6,    1939.6,       0.0);
     ( 384990.2, 3814487.2,     843.2,    1939.6,       0.0);         ( 385001.3,
3814465.7,     845.7,    1939.6,       0.0);
     ( 385012.4, 3814444.2,     848.4,    1939.6,       0.0);         ( 385023.6,
3814422.8,     851.4,    1939.6,       0.0);
     ( 385034.7, 3814401.3,     854.6,    1939.6,       0.0);         ( 385045.8,
3814379.9,     857.3,    1939.6,       0.0);
     ( 385057.0, 3814358.4,     860.3,    1939.6,       0.0);         ( 385068.1,
3814336.9,     856.4,    1939.6,       0.0);
     ( 385079.2, 3814315.5,     850.9,    1958.8,       0.0);         ( 385090.3,
3814294.0,     844.8,    1958.8,       0.0);
     ( 385101.5, 3814272.6,     839.5,    1981.2,       0.0);         ( 385112.6,
3814251.1,     834.9,    1981.2,       0.0);
     ( 385123.7, 3814229.7,     829.1,    1981.2,       0.0);         ( 385134.9,
3814208.2,     828.3,    1981.2,       0.0);
     ( 385146.0, 3814186.7,     831.0,    1981.2,       0.0);         ( 385157.1,
3814165.3,     835.7,    1981.2,       0.0);
     ( 385168.3, 3814143.8,     842.9,    1981.2,       0.0);         ( 385179.4,
3814122.4,     850.9,    1981.2,       0.0);
     ( 385190.5, 3814100.9,     860.7,    1981.2,       0.0);         ( 385201.7,
3814079.4,     868.2,    1958.8,       0.0);
     ( 385212.8, 3814058.0,     872.6,    1958.8,       0.0);         ( 385223.9,
3814036.5,     872.9,    1958.8,       0.0);
     ( 385235.1, 3814015.1,     868.9,    1981.2,       0.0);         ( 385246.2,
3813993.6,     866.1,    1981.2,       0.0);
     ( 385257.3, 3813972.1,     864.6,    1981.2,       0.0);         ( 385268.5,
3813950.7,     869.0,    1981.2,       0.0);
     ( 385279.6, 3813929.2,     878.9,    1981.2,       0.0);         ( 385290.7,
3813907.8,     888.6,    1958.8,       0.0);
     ( 385301.8, 3813886.3,     899.9,    1958.8,       0.0);         ( 385313.0,
3813864.9,     906.0,    1939.6,       0.0);
     ( 385324.1, 3813843.4,     908.7,    1939.6,       0.0);         ( 385335.2,
3813821.9,     902.9,    1958.8,       0.0);
     ( 385346.4, 3813800.5,     894.5,    1981.2,       0.0);         ( 385357.5,
3813779.0,     886.4,    1981.2,       0.0);
     ( 385368.6, 3813757.6,     878.2,    1982.9,       0.0);         ( 385379.8,
3813736.1,     869.8,    1990.0,       0.0);
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(385390.9, 3813714.6, 861.0, 1990.0, 0.0); (385402.0, 3813693.2, 853.2, 1990.0, 0.0);
(385413.2, 3813671.7, 850.2, 1990.0, 0.0); (385424.3, 3813650.3, 846.8, 1990.0, 0.0);
(385435.4, 3813628.8, 844.7, 1990.0, 0.0); (385446.6, 3813607.4, 842.5, 1990.0, 0.0);
(385457.7, 3813585.9, 839.9, 1990.0, 0.0); (385468.8, 3813564.4, 834.4, 1990.0, 0.0);
(385480.0, 3813543.0, 828.4, 1990.0, 0.0); (385491.1, 3813521.5, 823.8, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(385502.2, 3813500.1, 820.5, 1990.0, 0.0); (385513.3, 3813478.6, 818.0, 1990.0, 0.0);
(385524.5, 3813457.1, 815.2, 1990.0, 0.0); (385535.6, 3813435.7, 812.6, 1990.0, 0.0);
(385546.8, 3813414.2, 808.9, 1990.0, 0.0); (385557.9, 3813392.8, 801.8, 1990.0, 0.0);
(385569.0, 3813371.3, 795.5, 1990.0, 0.0); (385580.1, 3813349.8, 791.9, 1990.0, 0.0);
(385591.3, 3813328.4, 795.1, 1990.0, 0.0); (385602.4, 3813306.9, 802.1, 1990.0, 0.0);
(385613.5, 3813285.5, 809.6, 1990.0, 0.0); (385624.7, 3813264.0, 815.3, 1990.0, 0.0);
(385635.8, 3813242.6, 808.5, 1990.0, 0.0); (385646.9, 3813221.1, 800.5, 1990.0, 0.0);
(385658.1, 3813199.6, 793.2, 1990.0, 0.0); (385669.2, 3813178.2, 787.0, 1990.0, 0.0);
(385680.3, 3813156.7, 785.9, 1990.0, 0.0); (385691.5, 3813135.3, 793.5, 1990.0, 0.0);
(385702.6, 3813113.8, 802.4, 1990.0, 0.0); (385713.7, 3813092.3, 805.5, 1990.0, 0.0);
(385724.9, 3813070.9, 807.0, 1990.0, 0.0); (385736.0, 3813049.4, 807.6, 1990.0, 0.0);
(385747.1, 3813028.0, 816.8, 1990.0, 0.0); (385758.2, 3813006.5, 821.9, 1990.0, 0.0);
(385769.4, 3812985.1, 823.6, 1990.0, 0.0); (385780.5, 3812963.6, 823.4, 1990.0, 0.0);
(385791.6, 3812942.1, 819.7, 1990.0, 0.0); (385802.8, 3812920.7, 814.9, 1990.0, 0.0);

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     ( 385813.9, 3812899.2,     809.7,    1990.0,       0.0);         ( 385825.0,
3812877.8,     805.2,    1990.0,       0.0);
     ( 385836.2, 3812856.3,     804.6,    1990.0,       0.0);         ( 385847.3,
3812834.8,     807.5,    1990.0,       0.0);
     ( 385858.4, 3812813.4,     812.8,    1990.0,       0.0);         ( 385869.6,
3812791.9,     814.0,    1990.0,       0.0);
     ( 385880.7, 3812770.5,     816.8,    1990.0,       0.0);         ( 385891.8,
3812749.0,     823.0,    1990.0,       0.0);
     ( 385903.0, 3812727.6,     825.9,    1990.0,       0.0);         ( 385914.1,
3812706.1,     828.1,    1990.0,       0.0);
     ( 385925.2, 3812684.6,     830.0,    1990.0,       0.0);         ( 385936.4,
3812663.2,     831.9,    1990.0,       0.0);
     ( 385947.5, 3812641.7,     839.9,    1990.0,       0.0);         ( 385958.6,
3812620.3,     846.6,    1990.0,       0.0);
     ( 385969.8, 3812598.8,     853.5,    1990.0,       0.0);         ( 385980.9,
3812577.3,     860.1,    1990.0,       0.0);
     ( 385992.0, 3812555.9,     864.9,    1990.0,       0.0);         ( 386003.1,
3812534.4,     865.2,    1990.0,       0.0);
     ( 386014.3, 3812513.0,     866.1,    1990.0,       0.0);         ( 386025.4,
3812491.5,     872.1,    1990.0,       0.0);
     ( 386036.5, 3812470.0,     882.1,    1990.0,       0.0);         ( 386047.7,
3812448.6,     892.7,    1990.0,       0.0);
     ( 386058.8, 3812427.1,     906.8,    1990.0,       0.0);         ( 386069.9,
3812405.7,     911.5,    1990.0,       0.0);
     ( 386081.1, 3812384.2,     909.6,    1990.0,       0.0);         ( 386092.2,
3812362.8,     902.8,    1990.0,       0.0);
     ( 386103.3, 3812341.3,     889.3,    1990.0,       0.0);         ( 386114.5,
3812319.8,     883.7,    1990.0,       0.0);
     ( 386125.6, 3812298.4,     886.8,    1990.0,       0.0);         ( 386136.7,
3812276.9,     885.8,    1990.0,       0.0);
     ( 386147.9, 3812255.5,     885.5,    1990.0,       0.0);         ( 386159.0,
3812234.0,     885.4,    1990.0,       0.0);
     ( 386170.1, 3812212.5,     882.4,    1990.0,       0.0);         ( 386181.2,
3812191.1,     882.7,    1990.0,       0.0);
     ( 386192.4, 3812169.6,     884.5,    1990.0,       0.0);         ( 386203.5,
3812148.2,     886.2,    1990.0,       0.0);
     ( 386214.6, 3812126.7,     894.0,    1990.0,       0.0);         ( 386225.8,
3812105.3,     903.9,    1990.0,       0.0);
     ( 386236.9, 3812083.8,     914.2,    1990.0,       0.0);         ( 386248.0,
3812062.3,     922.4,    1990.0,       0.0);
     ( 386259.2, 3812040.9,     918.0,    1990.0,       0.0);         ( 386270.3,
3812019.4,     908.6,    1990.0,       0.0);
     ( 386281.4, 3811998.0,     896.9,    1990.0,       0.0);         ( 386292.6,
3811976.5,     881.9,    1990.0,       0.0);
     ( 386303.7, 3811955.0,     867.1,    1990.0,       0.0);         ( 386314.8,
3811933.6,     851.3,    1990.0,       0.0);
     ( 386326.0, 3811912.1,     836.7,    1990.0,       0.0);         ( 386337.1,
3811890.7,     823.1,    1990.0,       0.0);
     ( 386348.2, 3811869.2,     810.2,    1990.0,       0.0);         ( 386359.4,
3811847.8,     798.8,    1990.0,       0.0);
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(386370.5, 3811826.3, 790.3, 1990.0, 0.0); (386381.6, 3811804.8, 784.9, 1990.0, 0.0);
(386392.8, 3811783.4, 785.8, 1990.0, 0.0); (386403.9, 3811761.9, 786.1, 1990.0, 0.0);
(386415.0, 3811740.5, 787.0, 1990.0, 0.0); (386426.1, 3811719.0, 790.3, 1990.0, 0.0);
(386437.3, 3811697.5, 794.5, 1990.0, 0.0); (386448.4, 3811676.1, 792.2, 1990.0, 0.0);
(386459.5, 3811654.6, 786.3, 1990.0, 0.0); (386470.7, 3811633.2, 781.6, 1990.0, 0.0);
(386481.8, 3811611.7, 778.0, 1990.0, 0.0); (386492.9, 3811590.2, 776.2, 1990.0, 0.0);

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

(386504.1, 3811568.8, 776.5, 1990.0, 0.0); (386515.2, 3811547.3, 774.8, 1990.0, 0.0);
(386526.3, 3811525.9, 772.8, 1990.0, 0.0); (386537.5, 3811504.4, 772.2, 1990.0, 0.0);
(386548.6, 3811483.0, 767.8, 1990.0, 0.0); (386559.7, 3811461.5, 761.3, 1990.0, 0.0);
(386570.9, 3811440.0, 753.9, 1990.0, 0.0); (386582.0, 3811418.6, 746.9, 1990.0, 0.0);
(386593.1, 3811397.1, 744.0, 1990.0, 0.0); (386604.3, 3811375.7, 743.7, 1990.0, 0.0);
(386615.4, 3811354.2, 743.1, 1990.0, 0.0); (386626.5, 3811332.8, 742.3, 1990.0, 0.0);
(386637.6, 3811311.3, 740.8, 1990.0, 0.0); (386648.8, 3811289.8, 739.8, 1990.0, 0.0);
(386659.9, 3811268.4, 738.8, 1990.0, 0.0); (386671.0, 3811246.9, 738.0, 1990.0, 0.0);
(386682.2, 3811225.4, 737.4, 1990.0, 0.0); (386693.3, 3811204.0, 734.6, 1990.0, 0.0);
(386704.4, 3811182.5, 732.9, 1990.0, 0.0); (386715.6, 3811161.1, 733.9, 1990.0, 0.0);
(386726.7, 3811139.6, 734.4, 1990.0, 0.0); (386737.8, 3811118.2, 736.6, 1990.0, 0.0);
(386749.0, 3811096.7, 740.3, 1990.0, 0.0); (386760.1, 3811075.2, 741.3, 1990.0, 0.0);
(386771.2, 3811053.8, 742.0, 1990.0, 0.0); (386782.4, 3811032.3, 742.6, 1990.0, 0.0);

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    ( 386793.5, 3811010.9,     743.8,    1990.0,       0.0);         ( 386804.6,
3810989.4,     745.3,    1990.0,       0.0);
    ( 386815.8, 3810967.9,     745.8,    1990.0,       0.0);         ( 386826.9,
3810946.5,     747.3,    1990.0,       0.0);
    ( 386838.0, 3810925.0,     748.2,    1990.0,       0.0);         ( 386849.2,
3810903.6,     749.2,    1990.0,       0.0);
    ( 386860.3, 3810882.1,     753.3,    1990.0,       0.0);         ( 386871.4,
3810860.7,     753.9,    1990.0,       0.0);
    ( 386882.5, 3810839.2,     753.9,    1990.0,       0.0);         ( 386893.7,
3810817.7,     753.3,    1990.0,       0.0);
    ( 386904.8, 3810796.3,     754.3,    1990.0,       0.0);         ( 386916.0,
3810774.8,     756.3,    1990.0,       0.0);
    ( 386927.1, 3810753.4,     757.0,    1990.0,       0.0);         ( 386938.2,
3810731.9,     759.1,    1990.0,       0.0);
    ( 386949.3, 3810710.4,     762.0,    1990.0,       0.0);         ( 386960.5,
3810689.0,     765.8,    1990.0,       0.0);
    ( 386971.6, 3810667.5,     768.4,    1990.0,       0.0);         ( 386982.7,
3810646.1,     768.8,    1990.0,       0.0);
    ( 386993.9, 3810624.6,     768.5,    1990.0,       0.0);         ( 387005.0,
3810603.1,     768.2,    1990.0,       0.0);
    ( 387016.1, 3810581.7,     768.8,    1990.0,       0.0);         ( 387027.3,
3810560.2,     769.5,    1990.0,       0.0);
    ( 387038.4, 3810538.8,     770.7,    1990.0,       0.0);         ( 387049.5,
3810517.3,     773.4,    1990.0,       0.0);
    ( 387060.7, 3810495.9,     775.3,    1990.0,       0.0);         ( 387071.8,
3810474.4,     775.2,    1990.0,       0.0);
    ( 387082.9, 3810452.9,     781.3,    1990.0,       0.0);         ( 387094.0,
3810431.5,     784.6,    1990.0,       0.0);
    ( 387105.2, 3810410.0,     787.8,    1990.0,       0.0);         ( 387116.3,
3810388.6,     789.0,    1990.0,       0.0);
    ( 387127.5, 3810367.1,     787.9,    1990.0,       0.0);         ( 387138.6,
3810345.6,     785.6,    1990.0,       0.0);
    ( 387149.7, 3810324.2,     788.2,    1990.0,       0.0);         ( 387160.8,
3810302.7,     789.0,    1990.0,       0.0);
    ( 387172.0, 3810281.3,     790.0,    1990.0,       0.0);         ( 387183.1,
3810259.8,     799.1,    1990.0,       0.0);
    ( 387194.2, 3810238.4,     810.2,    1990.0,       0.0);         ( 387205.4,
3810216.9,     817.1,    1990.0,       0.0);
    ( 387216.5, 3810195.4,     821.5,    1990.0,       0.0);         ( 387227.6,
3810174.0,     819.1,    1990.0,       0.0);
    ( 387238.8, 3810152.5,     816.3,    1990.0,       0.0);         ( 387249.9,
3810131.1,     812.1,    1990.0,       0.0);
    ( 387261.0, 3810109.6,     812.9,    1990.0,       0.0);         ( 387272.2,
3810088.1,     818.9,    1990.0,       0.0);
    ( 387283.3, 3810066.7,     822.9,    1990.0,       0.0);         ( 387294.4,
3810045.2,     825.3,    1990.0,       0.0);
    ( 387305.6, 3810023.8,     824.6,    1990.0,       0.0);         ( 387316.7,
3810002.3,     822.1,    1990.0,       0.0);
    ( 387327.8, 3809980.8,     821.2,    1990.0,       0.0);         ( 387339.0,
3809959.4,     822.0,    1990.0,       0.0);
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(387350.1, 3809937.9, 824.2, 1990.0, 0.0); (387361.2, 3809916.5, 827.2, 1990.0, 0.0);
(387372.3, 3809895.0, 832.9, 1990.0, 0.0); (387383.5, 3809873.6, 833.8, 1990.0, 0.0);
(387394.6, 3809852.1, 831.9, 1990.0, 0.0); (387405.7, 3809830.6, 832.6, 1990.0, 0.0);
(387416.9, 3809809.2, 834.9, 1990.0, 0.0); (387428.0, 3809787.7, 839.6, 1990.0, 0.0);
(387439.1, 3809766.3, 848.4, 1990.0, 0.0); (387450.3, 3809744.8, 862.0, 1990.0, 0.0);
(387461.4, 3809723.3, 874.2, 1990.0, 0.0); (387472.5, 3809701.9, 877.5, 1990.0, 0.0);
(387483.7, 3809680.4, 880.3, 1990.0, 0.0); (387494.8, 3809659.0, 883.2, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(387505.9, 3809637.5, 883.6, 1990.0, 0.0); (387517.1, 3809616.1, 880.9, 1990.0, 0.0);
(387528.2, 3809594.6, 881.5, 1990.0, 0.0); (387539.3, 3809573.1, 884.4, 1990.0, 0.0);
(387550.5, 3809551.7, 893.4, 1990.0, 0.0); (387561.6, 3809530.2, 899.2, 1990.0, 0.0);
(387572.7, 3809508.8, 901.2, 1990.0, 0.0); (387583.8, 3809487.3, 906.2, 1990.0, 0.0);
(387595.0, 3809465.8, 912.1, 1990.0, 0.0); (387606.1, 3809444.4, 917.8, 1990.0, 0.0);
(387617.2, 3809422.9, 925.8, 1990.0, 0.0); (387628.4, 3809401.5, 933.5, 1990.0, 0.0);
(387639.5, 3809380.0, 944.7, 1990.0, 0.0); (387650.6, 3809358.6, 958.7, 1990.0, 0.0);
(387661.8, 3809337.1, 976.1, 1990.0, 0.0); (387672.9, 3809315.6, 982.6, 1990.0, 0.0);
(387684.0, 3809294.2, 975.3, 1990.0, 0.0); (387695.2, 3809272.7, 963.2, 1990.0, 0.0);
(387706.3, 3809251.3, 959.5, 1990.0, 0.0); (387717.4, 3809229.8, 959.8, 1990.0, 0.0);
(387728.6, 3809208.3, 968.2, 1990.0, 0.0); (387739.7, 3809186.9, 982.5, 1990.0, 0.0);
(387750.8, 3809165.4, 990.8, 1990.0, 0.0); (387762.0, 3809144.0, 984.5, 1990.0, 0.0);

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    ( 387773.1, 3809122.5,     974.2,    1990.0,       0.0);         ( 387784.2,
3809101.0,     978.7,    1990.0,       0.0);
    ( 387795.3, 3809079.6,     986.2,    1990.0,       0.0);         ( 387806.5,
3809058.1,     980.2,    1990.0,       0.0);
    ( 387817.6, 3809036.7,     969.1,    1990.0,       0.0);         ( 387828.7,
3809015.2,     964.7,    1990.0,       0.0);
    ( 387839.9, 3808993.8,     975.8,    1990.0,       0.0);         ( 387851.0,
3808972.3,     987.3,    1990.0,       0.0);
    ( 387862.1, 3808950.8,     995.2,    1990.0,       0.0);         ( 387873.3,
3808929.4,     985.7,    1990.0,       0.0);
    ( 387884.4, 3808907.9,     979.5,    1990.0,       0.0);         ( 387895.5,
3808886.5,     974.5,    1990.0,       0.0);
    ( 387906.7, 3808865.0,     966.0,    1990.0,       0.0);         ( 387917.8,
3808843.5,     972.9,    1990.0,       0.0);
    ( 387928.9, 3808822.1,     984.4,    1990.0,       0.0);         ( 387940.1,
3808800.6,    1000.2,    1990.0,       0.0);
    ( 387951.2, 3808779.2,    1013.4,    1990.0,       0.0);         ( 387962.3,
3808757.7,    1017.1,    1990.0,       0.0);
    ( 387973.5, 3808736.3,    1014.8,    1990.0,       0.0);         ( 387984.6,
3808714.8,    1016.2,    1990.0,       0.0);
    ( 387995.7, 3808693.3,    1020.3,    1990.0,       0.0);         ( 388006.8,
3808671.9,    1028.9,    1990.0,       0.0);
    ( 388018.0, 3808650.4,    1039.2,    1990.0,       0.0);         ( 388029.1,
3808629.0,    1044.4,    1990.0,       0.0);
    ( 388040.2, 3808607.5,    1047.3,    1990.0,       0.0);         ( 388051.4,
3808586.0,    1040.8,    1990.0,       0.0);
    ( 388062.5, 3808564.6,    1036.9,    1990.0,       0.0);         ( 388073.6,
3808543.1,    1040.5,    1990.0,       0.0);
    ( 388084.8, 3808521.7,    1048.7,    1990.0,       0.0);         ( 388095.9,
3808500.2,    1050.7,    1990.0,       0.0);
    ( 388107.0, 3808478.8,    1052.1,    1990.0,       0.0);         ( 388118.2,
3808457.3,    1045.5,    1990.0,       0.0);
    ( 388129.3, 3808435.8,    1030.2,    1990.0,       0.0);         ( 388140.4,
3808414.4,    1019.2,    1990.0,       0.0);
    ( 388151.6, 3808392.9,    1011.3,    1990.0,       0.0);         ( 388162.7,
3808371.5,    1006.2,    1990.0,       0.0);
    ( 388173.8, 3808350.0,    1000.3,    1990.0,       0.0);         ( 388185.0,
3808328.5,     995.9,    1990.0,       0.0);
    ( 388196.1, 3808307.1,     996.5,    1990.0,       0.0);         ( 388207.2,
3808285.6,     999.7,    1990.0,       0.0);
    ( 388218.3, 3808264.2,     996.8,    1990.0,       0.0);         ( 388229.5,
3808242.7,     991.8,    1990.0,       0.0);
    ( 388240.6, 3808221.2,     995.1,    1990.0,       0.0);         ( 388251.8,
3808199.8,    1002.6,    1990.0,       0.0);
    ( 388262.9, 3808178.3,    1010.3,    1990.0,       0.0);         ( 388274.0,
3808156.9,    1008.9,    1990.0,       0.0);
    ( 388285.1, 3808135.4,    1003.5,    1990.0,       0.0);         ( 388296.3,
3808114.0,     999.3,    1990.0,       0.0);
    ( 388307.4, 3808092.5,     996.5,    1990.0,       0.0);         ( 388318.5,
3808071.0,     999.3,    1990.0,       0.0);
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(388329.7, 3808049.6, 1005.6, 1990.0, 0.0); (388340.8,
3808028.1, 1005.0, 1990.0, 0.0);
(388351.9, 3808006.7, 1001.2, 1990.0, 0.0); (388363.1,
3807985.2, 1000.9, 1990.0, 0.0);
(388374.2, 3807963.8, 1005.9, 1990.0, 0.0); (388385.3,
3807942.3, 1013.9, 1990.0, 0.0);
(388396.5, 3807920.8, 1023.0, 1990.0, 0.0); (388407.6,
3807899.4, 1037.9, 1990.0, 0.0);
(388418.7, 3807877.9, 1049.4, 1990.0, 0.0); (388429.9,
3807856.4, 1057.7, 1990.0, 0.0);
(388464.6, 3807829.8, 1067.5, 1990.0, 0.0); (388488.2,
3807824.5, 1071.1, 1990.0, 0.0);
(388511.8, 3807819.2, 1068.4, 1990.0, 0.0); (388535.4,
3807814.0, 1066.9, 1990.0, 0.0);
(388559.0, 3807808.8, 1064.0, 1990.0, 0.0); (388582.6,
3807803.5, 1060.4, 1990.0, 0.0);

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

(388606.2, 3807798.2, 1062.9, 1990.0, 0.0); (388629.8,
3807793.0, 1069.5, 1990.0, 0.0);
(388653.4, 3807787.8, 1084.1, 1990.0, 0.0); (388677.0,
3807782.5, 1097.4, 1990.0, 0.0);
(388700.6, 3807777.3, 1108.0, 1990.0, 0.0); (388724.2,
3807772.0, 1115.7, 1990.0, 0.0);
(388747.8, 3807766.8, 1120.9, 1990.0, 0.0); (388771.3,
3807761.5, 1122.6, 1990.0, 0.0);
(388795.0, 3807756.3, 1122.9, 1990.0, 0.0); (388818.5,
3807751.0, 1133.0, 1990.0, 0.0);
(388842.1, 3807745.8, 1147.6, 1990.0, 0.0); (388865.7,
3807740.5, 1161.2, 1990.0, 0.0);
(388889.3, 3807735.3, 1170.4, 1990.0, 0.0); (388912.9,
3807730.0, 1169.8, 1990.0, 0.0);
(388936.5, 3807724.8, 1159.5, 1990.0, 0.0); (388960.1,
3807719.5, 1148.4, 1990.0, 0.0);
(388983.7, 3807714.3, 1140.4, 1990.0, 0.0); (389007.3,
3807709.0, 1136.2, 1990.0, 0.0);
(389030.9, 3807703.8, 1123.6, 1990.0, 0.0); (389054.5,
3807698.5, 1114.9, 1990.0, 0.0);
(389078.1, 3807693.3, 1111.6, 1990.0, 0.0); (389101.7,
3807688.0, 1117.6, 1990.0, 0.0);

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    ( 389125.3, 3807682.8,    1118.2,    1990.0,       0.0);         ( 389148.9,
3807677.5,    1124.3,    1990.0,       0.0);
    ( 389172.5, 3807672.3,    1133.1,    1990.0,       0.0);         ( 389196.1,
3807667.0,    1141.5,    1990.0,       0.0);
    ( 389219.7, 3807661.8,    1145.9,    1990.0,       0.0);         ( 389243.3,
3807656.5,    1141.6,    1990.0,       0.0);
    ( 389266.9, 3807651.3,    1134.5,    1990.0,       0.0);         ( 389290.5,
3807646.0,    1130.5,    1990.0,       0.0);
    ( 389314.1, 3807640.8,    1127.9,    1990.0,       0.0);         ( 389337.7,
3807635.5,    1131.6,    1990.0,       0.0);
    ( 389361.3, 3807630.3,    1136.7,    1990.0,       0.0);         ( 389384.9,
3807625.0,    1146.5,    1990.0,       0.0);
    ( 389408.5, 3807619.8,    1157.0,    1990.0,       0.0);         ( 389432.1,
3807614.5,    1163.0,    1990.0,       0.0);
    ( 389455.7, 3807609.3,    1171.6,    1990.0,       0.0);         ( 389479.3,
3807604.0,    1182.9,    1990.0,       0.0);
    ( 389502.9, 3807598.8,    1189.6,    1990.0,       0.0);         ( 389526.5,
3807593.6,    1190.5,    1990.0,       0.0);
    ( 389550.1, 3807588.3,    1184.8,    1990.0,       0.0);         ( 389573.7,
3807583.1,    1172.7,    1990.0,       0.0);
    ( 389597.3, 3807577.8,    1161.0,    1990.0,       0.0);         ( 389620.9,
3807572.6,    1150.7,    1990.0,       0.0);
    ( 389644.5, 3807567.3,    1142.0,    1990.0,       0.0);         ( 389668.0,
3807562.1,    1149.7,    1990.0,       0.0);
    ( 389691.6, 3807556.8,    1154.0,    1990.0,       0.0);         ( 389715.2,
3807551.6,    1150.5,    1990.0,       0.0);
    ( 389738.8, 3807546.3,    1157.9,    1990.0,       0.0);         ( 389762.4,
3807541.1,    1168.9,    1990.0,       0.0);
    ( 389786.0, 3807535.8,    1175.9,    1990.0,       0.0);         ( 389809.6,
3807530.6,    1181.0,    1990.0,       0.0);
    ( 389833.2, 3807525.3,    1187.7,    1990.0,       0.0);         ( 389856.8,
3807520.1,    1195.5,    1990.0,       0.0);
    ( 389880.4, 3807514.8,    1202.8,    1990.0,       0.0);         ( 389904.0,
3807509.6,    1207.4,    1990.0,       0.0);
    ( 389927.6, 3807504.3,    1217.7,    1990.0,       0.0);         ( 389951.2,
3807499.1,    1228.5,    1990.0,       0.0);
    ( 389974.8, 3807493.8,    1222.0,    1990.0,       0.0);         ( 389998.4,
3807488.6,    1202.9,    1990.0,       0.0);
    ( 390022.0, 3807483.3,    1204.4,    1990.0,       0.0);         ( 390045.6,
3807478.1,    1226.5,    1990.0,       0.0);
    ( 390069.2, 3807472.8,    1245.0,    1990.0,       0.0);         ( 390092.8,
3807467.6,    1259.0,    1990.0,       0.0);
    ( 390116.4, 3807462.3,    1270.8,    1990.0,       0.0);         ( 390140.0,
3807457.1,    1283.8,    1990.0,       0.0);
    ( 390163.6, 3807451.8,    1296.6,    1990.0,       0.0);         ( 390187.2,
3807446.6,    1305.4,    1990.0,       0.0);
    ( 390210.8, 3807441.3,    1307.5,    1990.0,       0.0);         ( 390234.4,
3807436.1,    1305.3,    1990.0,       0.0);
    ( 390258.0, 3807430.8,    1299.8,    1990.0,       0.0);         ( 390281.6,
3807425.6,    1291.0,    1990.0,       0.0);
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(390305.2, 3807420.3, 1282.1, 1990.0, 0.0); (390328.8,
3807415.1, 1276.8, 1990.0, 0.0);
(390352.4, 3807409.8, 1290.1, 1990.0, 0.0); (390376.0,
3807404.6, 1302.9, 1990.0, 0.0);
(390399.6, 3807399.4, 1315.6, 1990.0, 0.0); (390423.2,
3807394.1, 1328.0, 1990.0, 0.0);
(390446.8, 3807388.9, 1340.1, 1990.0, 0.0); (390470.4,
3807383.6, 1351.6, 1990.0, 0.0);
(390494.0, 3807378.4, 1363.5, 1990.0, 0.0); (390517.6,
3807373.1, 1377.0, 1990.0, 0.0);
(390541.2, 3807367.9, 1392.9, 1990.0, 0.0); (390564.8,
3807362.6, 1411.0, 1990.0, 0.0);
(390588.3, 3807357.4, 1430.3, 1990.0, 0.0); (390612.0,
3807352.1, 1445.5, 1990.0, 0.0);
(390635.5, 3807346.9, 1460.0, 1990.0, 0.0); (390659.1,
3807341.6, 1475.3, 1990.0, 0.0);
(390682.7, 3807336.4, 1477.3, 1990.0, 0.0); (390706.3,
3807331.1, 1471.9, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(390729.9, 3807325.9, 1465.1, 1990.0, 0.0); (390753.5,
3807320.6, 1457.2, 1990.0, 0.0);
(390777.1, 3807315.4, 1444.8, 1990.0, 0.0); (390800.7,
3807310.1, 1429.6, 1990.0, 0.0);
(390824.3, 3807304.9, 1416.0, 1990.0, 0.0); (390847.9,
3807299.6, 1405.5, 1990.0, 0.0);
(390871.5, 3807294.4, 1399.4, 1990.0, 0.0); (390895.1,
3807289.1, 1398.4, 1990.0, 0.0);
(390918.7, 3807283.9, 1398.0, 1990.0, 0.0); (390942.3,
3807278.6, 1388.5, 1990.0, 0.0);
(390965.9, 3807273.4, 1376.4, 1990.0, 0.0); (390989.5,
3807268.1, 1362.7, 1990.0, 0.0);
(391013.1, 3807262.9, 1348.8, 1990.0, 0.0); (391036.7,
3807257.6, 1332.8, 1990.0, 0.0);
(391060.3, 3807252.4, 1339.4, 1990.0, 0.0); (391083.9,
3807247.1, 1343.2, 1990.0, 0.0);
(391107.5, 3807241.9, 1333.8, 1990.0, 0.0); (391131.1,
3807236.6, 1325.1, 1990.0, 0.0);
(391154.7, 3807231.4, 1328.6, 1990.0, 0.0); (391178.3,
3807226.1, 1338.1, 1990.0, 0.0);

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     ( 391201.9, 3807220.9,    1342.0,    1990.0,       0.0);         ( 391225.5,
3807215.6,    1348.6,    1990.0,       0.0);
     ( 391249.1, 3807210.4,    1354.7,    1990.0,       0.0);         ( 391272.7,
3807205.2,    1354.7,    1990.0,       0.0);
     ( 391296.3, 3807199.9,    1356.8,    1990.0,       0.0);         ( 391319.9,
3807194.7,    1355.7,    1990.0,       0.0);
     ( 391343.5, 3807189.4,    1353.0,    1990.0,       0.0);         ( 391367.1,
3807184.2,    1350.2,    1990.0,       0.0);
     ( 391390.7, 3807178.9,    1345.6,    1990.0,       0.0);         ( 391414.3,
3807173.7,    1340.3,    1990.0,       0.0);
     ( 391437.9, 3807168.4,    1333.1,    1990.0,       0.0);         ( 391461.5,
3807163.2,    1322.7,    1990.0,       0.0);
     ( 391485.0, 3807157.9,    1311.1,    1990.0,       0.0);         ( 391508.6,
3807152.7,    1301.5,    1990.0,       0.0);
     ( 391532.2, 3807147.4,    1295.4,    1990.0,       0.0);         ( 391555.8,
3807142.2,    1295.9,    1990.0,       0.0);
     ( 391579.4, 3807136.9,    1298.8,    1990.0,       0.0);         ( 391603.0,
3807131.7,    1300.9,    1990.0,       0.0);
     ( 391626.6, 3807126.4,    1306.8,    1990.0,       0.0);         ( 391650.2,
3807121.2,    1317.3,    1990.0,       0.0);
     ( 391673.8, 3807115.9,    1327.2,    1990.0,       0.0);         ( 391697.4,
3807110.7,    1337.1,    1990.0,       0.0);
     ( 391721.0, 3807105.4,    1340.1,    1990.0,       0.0);         ( 391744.6,
3807100.2,    1337.4,    1990.0,       0.0);
     ( 391768.2, 3807094.9,    1335.0,    1990.0,       0.0);         ( 391791.8,
3807089.7,    1335.7,    1990.0,       0.0);
     ( 391815.4, 3807084.4,    1334.8,    1990.0,       0.0);         ( 391839.0,
3807079.2,    1334.6,    1990.0,       0.0);
     ( 391862.6, 3807073.9,    1336.0,    1990.0,       0.0);         ( 391886.2,
3807068.7,    1352.9,    1990.0,       0.0);
     ( 391909.8, 3807063.4,    1361.4,    1990.0,       0.0);         ( 391933.4,
3807058.2,    1358.0,    1990.0,       0.0);
     ( 391957.0, 3807052.9,    1346.6,    1990.0,       0.0);         ( 391980.6,
3807047.7,    1331.6,    1990.0,       0.0);
     ( 392004.2, 3807042.4,    1318.3,    1990.0,       0.0);         ( 392027.8,
3807037.2,    1309.2,    1990.0,       0.0);
     ( 392051.4, 3807031.9,    1297.3,    1990.0,       0.0);         ( 392075.0,
3807026.7,    1290.7,    1990.0,       0.0);
     ( 392098.6, 3807021.4,    1282.1,    1990.0,       0.0);         ( 392122.2,
3807016.2,    1270.2,    1990.0,       0.0);
     ( 392145.8, 3807011.0,    1276.6,    1990.0,       0.0);         ( 392169.4,
3807005.7,    1294.6,    1990.0,       0.0);
     ( 392193.0, 3807000.5,    1311.3,    1990.0,       0.0);         ( 392216.6,
3806995.2,    1314.2,    1990.0,       0.0);
     ( 392240.2, 3806990.0,    1308.6,    1990.0,       0.0);         ( 392263.8,
3806984.7,    1302.5,    1990.0,       0.0);
     ( 392287.4, 3806979.5,    1295.2,    1990.0,       0.0);         ( 392311.0,
3806974.2,    1286.5,    1990.0,       0.0);
     ( 392334.6, 3806969.0,    1277.6,    1990.0,       0.0);         ( 392358.2,
3806963.7,    1269.4,    1990.0,       0.0);
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(392381.8, 3806958.5, 1259.6, 1990.0, 0.0); (392405.3, 3806953.2, 1248.4, 1990.0, 0.0);
(392429.0, 3806948.0, 1235.2, 1990.0, 0.0); (392452.5, 3806942.7, 1219.9, 1990.0, 0.0);
(392476.1, 3806937.5, 1210.3, 1990.0, 0.0); (392499.7, 3806932.2, 1212.7, 1990.0, 0.0);
(392523.3, 3806927.0, 1210.4, 1990.0, 0.0); (392546.9, 3806921.7, 1204.1, 1990.0, 0.0);
(392570.5, 3806916.5, 1205.4, 1990.0, 0.0); (392594.1, 3806911.2, 1214.8, 1990.0, 0.0);
(392617.7, 3806906.0, 1219.5, 1990.0, 0.0); (392641.3, 3806900.7, 1226.1, 1990.0, 0.0);
(392664.9, 3806895.5, 1238.5, 1990.0, 0.0); (392688.5, 3806890.2, 1248.5, 1990.0, 0.0);
(392712.1, 3806885.0, 1257.3, 1990.0, 0.0); (392735.7, 3806879.7, 1269.9, 1990.0, 0.0);
(392759.3, 3806874.5, 1284.2, 1990.0, 0.0); (392782.9, 3806869.2, 1298.2, 1990.0, 0.0);
(392806.5, 3806864.0, 1314.5, 1990.0, 0.0); (392830.1, 3806858.8, 1323.9, 1990.0, 0.0);

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

(392853.7, 3806853.5, 1325.2, 1990.0, 0.0); (392877.3, 3806848.2, 1330.0, 1990.0, 0.0);
(392900.9, 3806843.0, 1339.2, 1990.0, 0.0); (392924.5, 3806837.8, 1347.9, 1990.0, 0.0);
(392948.1, 3806832.5, 1358.8, 1990.0, 0.0); (392971.7, 3806827.2, 1372.6, 1990.0, 0.0);
(392995.3, 3806822.0, 1391.4, 1990.0, 0.0); (393018.9, 3806816.8, 1410.8, 1990.0, 0.0);
(393042.5, 3806811.5, 1426.5, 1990.0, 0.0); (393066.1, 3806806.3, 1438.1, 1990.0, 0.0);
(393089.7, 3806801.0, 1448.1, 1990.0, 0.0); (393113.3, 3806795.8, 1459.7, 1990.0, 0.0);
(393136.9, 3806790.5, 1473.2, 1990.0, 0.0); (393160.5, 3806785.3, 1483.4, 1990.0, 0.0);
(393184.1, 3806780.0, 1494.9, 1990.0, 0.0); (393207.7, 3806774.8, 1508.9, 1990.0, 0.0);
(393231.3, 3806769.5, 1524.7, 1990.0, 0.0); (393254.9, 3806764.3, 1541.7, 1990.0, 0.0);

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    ( 393278.5, 3806759.0,    1554.5,    1990.0,       0.0);         ( 393302.0,
3806753.8,    1557.6,    1990.0,       0.0);
    ( 393325.6, 3806748.5,    1559.7,    1990.0,       0.0);         ( 393349.2,
3806743.3,    1565.2,    1990.0,       0.0);
    ( 393372.8, 3806738.0,    1568.6,    1990.0,       0.0);         ( 393396.4,
3806732.8,    1565.2,    1990.0,       0.0);
    ( 393420.0, 3806727.5,    1556.3,    1990.0,       0.0);         ( 393443.6,
3806722.3,    1547.4,    1990.0,       0.0);
    ( 393467.2, 3806717.0,    1537.7,    1990.0,       0.0);         ( 393490.8,
3806711.8,    1528.1,    1990.0,       0.0);
    ( 393514.4, 3806706.5,    1514.5,    1990.0,       0.0);         ( 393538.0,
3806701.3,    1508.5,    1990.0,       0.0);
    ( 393561.6, 3806696.0,    1513.3,    1990.0,       0.0);         ( 393585.2,
3806690.8,    1514.8,    1990.0,       0.0);
    ( 393608.8, 3806685.5,    1516.1,    1990.0,       0.0);         ( 393632.4,
3806680.3,    1513.1,    1990.0,       0.0);
    ( 393656.0, 3806675.0,    1503.9,    1990.0,       0.0);         ( 393679.6,
3806669.8,    1490.8,    1990.0,       0.0);
    ( 393703.2, 3806664.5,    1476.1,    1990.0,       0.0);         ( 393726.8,
3806659.3,    1460.8,    1990.0,       0.0);
    ( 393750.4, 3806654.0,    1445.6,    1990.0,       0.0);         ( 393774.0,
3806648.8,    1430.8,    1990.0,       0.0);
    ( 393797.6, 3806643.5,    1416.8,    1990.0,       0.0);         ( 393821.2,
3806638.3,    1402.2,    1990.0,       0.0);
    ( 393844.8, 3806633.0,    1387.3,    1990.0,       0.0);         ( 393868.4,
3806627.8,    1389.6,    1990.0,       0.0);
    ( 393892.0, 3806622.6,    1389.5,    1990.0,       0.0);         ( 393915.6,
3806617.3,    1377.5,    1990.0,       0.0);
    ( 393939.2, 3806612.1,    1361.9,    1990.0,       0.0);         ( 393962.8,
3806606.8,    1346.4,    1990.0,       0.0);
    ( 393986.4, 3806601.6,    1332.3,    1990.0,       0.0);         ( 394010.0,
3806596.3,    1320.2,    1990.0,       0.0);
    ( 394033.6, 3806591.1,    1308.7,    1990.0,       0.0);         ( 394057.2,
3806585.8,    1300.4,    1990.0,       0.0);
    ( 394080.8, 3806580.6,    1303.5,    1990.0,       0.0);         ( 394104.4,
3806575.3,    1322.2,    1990.0,       0.0);
    ( 394128.0, 3806570.1,    1334.8,    1990.0,       0.0);         ( 394151.6,
3806564.8,    1338.9,    1990.0,       0.0);
    ( 394175.2, 3806559.6,    1345.4,    1990.0,       0.0);         ( 394198.8,
3806554.3,    1356.6,    1990.0,       0.0);
    ( 394222.3, 3806549.1,    1370.7,    1990.0,       0.0);         ( 394246.0,
3806543.8,    1378.2,    1990.0,       0.0);
    ( 394269.5, 3806538.6,    1385.7,    1990.0,       0.0);         ( 394293.1,
3806533.3,    1394.8,    1990.0,       0.0);
    ( 394316.7, 3806528.1,    1403.4,    1990.0,       0.0);         ( 394340.3,
3806522.8,    1411.8,    1990.0,       0.0);
    ( 394363.9, 3806517.6,    1421.8,    1990.0,       0.0);         ( 394387.5,
3806512.3,    1433.2,    1990.0,       0.0);
    ( 394411.1, 3806507.1,    1442.7,    1990.0,       0.0);         ( 394434.7,
3806501.8,    1449.9,    1990.0,       0.0);
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(394458.3, 3806496.6, 1462.8, 1990.0, 0.0); (394481.9,
3806491.3, 1473.7, 1990.0, 0.0);
(394505.5, 3806486.1, 1483.6, 1990.0, 0.0); (394529.1,
3806480.8, 1489.0, 1990.0, 0.0);
(394552.7, 3806475.6, 1491.4, 1990.0, 0.0); (394576.3,
3806470.3, 1496.3, 1990.0, 0.0);
(394599.9, 3806465.1, 1504.9, 1990.0, 0.0); (394623.5,
3806459.8, 1513.5, 1990.0, 0.0);
(394647.1, 3806454.6, 1521.6, 1990.0, 0.0); (394670.7,
3806449.3, 1531.0, 1990.0, 0.0);
(394694.3, 3806444.1, 1541.2, 1990.0, 0.0); (394717.9,
3806438.8, 1547.5, 1990.0, 0.0);
(394741.5, 3806433.6, 1553.3, 1990.0, 0.0); (394765.1,
3806428.4, 1560.9, 1990.0, 0.0);
(394788.7, 3806423.1, 1567.4, 1990.0, 0.0); (394812.3,
3806417.9, 1571.6, 1990.0, 0.0);
(394835.9, 3806412.6, 1577.5, 1990.0, 0.0); (394859.5,
3806407.4, 1585.6, 1990.0, 0.0);
(394883.1, 3806402.1, 1594.1, 1990.0, 0.0); (394906.7,
3806396.9, 1597.1, 1990.0, 0.0);
(394930.3, 3806391.6, 1604.1, 1990.0, 0.0); (394953.9,
3806386.4, 1614.1, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394977.5, 3806381.1, 1623.8, 1832.7, 0.0); (395001.1,
3806375.9, 1631.2, 1832.7, 0.0);
(395024.7, 3806370.6, 1629.1, 1832.7, 0.0); (395048.3,
3806365.4, 1618.4, 1832.7, 0.0);
(395071.9, 3806360.1, 1606.8, 1990.0, 0.0); (395095.5,
3806354.9, 1598.2, 1990.0, 0.0);
(395119.0, 3806349.6, 1592.8, 1990.0, 0.0); (395142.6,
3806344.4, 1599.1, 1990.0, 0.0);
(395166.2, 3806339.1, 1601.0, 1990.0, 0.0); (395189.8,
3806333.9, 1600.6, 1990.0, 0.0);
(395213.4, 3806328.6, 1606.0, 1832.7, 0.0); (395237.0,
3806323.4, 1616.9, 1832.7, 0.0);
(395260.6, 3806318.1, 1629.4, 1832.7, 0.0); (395284.2,
3806312.9, 1640.2, 1832.7, 0.0);
(395307.8, 3806307.6, 1647.9, 1832.7, 0.0); (395331.4,
3806302.4, 1654.0, 1832.7, 0.0);

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    ( 395355.0, 3806297.1,    1657.8,    1832.7,       0.0);         ( 395378.6,
3806291.9,    1658.3,    1832.7,       0.0);
    ( 395402.2, 3806286.6,    1658.0,    1832.7,       0.0);         ( 395425.8,
3806281.4,    1657.5,    1832.7,       0.0);
    ( 395449.4, 3806276.1,    1656.0,    1832.7,       0.0);         ( 395473.0,
3806270.9,    1652.0,    1832.7,       0.0);
    ( 395496.6, 3806265.6,    1643.3,    1832.7,       0.0);         ( 395520.2,
3806260.4,    1630.5,    1832.7,       0.0);
    ( 395543.8, 3806255.1,    1615.3,    1832.7,       0.0);         ( 395567.4,
3806249.9,    1597.6,    1832.7,       0.0);
    ( 395591.0, 3806244.6,    1579.2,    1832.7,       0.0);         ( 395614.6,
3806239.4,    1563.0,    1990.0,       0.0);
    ( 395638.2, 3806234.2,    1547.7,    1990.0,       0.0);         ( 395661.8,
3806228.9,    1533.3,    1990.0,       0.0);
    ( 395685.4, 3806223.7,    1517.9,    1990.0,       0.0);         ( 395709.0,
3806218.4,    1500.2,    1990.0,       0.0);
    ( 395732.6, 3806213.2,    1482.5,    1990.0,       0.0);         ( 395756.2,
3806207.9,    1465.6,    1990.0,       0.0);
    ( 395779.8, 3806202.7,    1455.7,    1990.0,       0.0);         ( 395803.4,
3806197.4,    1443.0,    1990.0,       0.0);
    ( 395827.0, 3806192.2,    1429.3,    1990.0,       0.0);         ( 395850.6,
3806186.9,    1430.5,    1990.0,       0.0);
    ( 395874.2, 3806181.7,    1436.4,    1990.0,       0.0);         ( 395897.8,
3806176.4,    1438.2,    1990.0,       0.0);
    ( 395921.4, 3806171.2,    1431.8,    1990.0,       0.0);         ( 395945.0,
3806165.9,    1419.6,    1990.0,       0.0);
    ( 395968.6, 3806160.7,    1405.8,    2010.3,       0.0);         ( 395992.2,
3806155.4,    1397.0,    2010.3,       0.0);
    ( 396015.8, 3806150.2,    1402.9,    2010.3,       0.0);         ( 396039.3,
3806144.9,    1422.5,    2003.2,       0.0);
    ( 396063.0, 3806139.7,    1438.0,    1990.0,       0.0);         ( 396086.5,
3806134.4,    1454.6,    1990.0,       0.0);
    ( 396110.1, 3806129.2,    1473.5,    1990.0,       0.0);         ( 396133.7,
3806123.9,    1489.6,    1990.0,       0.0);
    ( 396157.3, 3806118.7,    1505.1,    1990.0,       0.0);         ( 396180.9,
3806113.4,    1522.5,    1983.6,       0.0);
    ( 396204.5, 3806108.2,    1539.3,    1832.7,       0.0);         ( 396228.1,
3806102.9,    1546.8,    1832.7,       0.0);
    ( 396251.7, 3806097.7,    1541.3,    1832.7,       0.0);         ( 396275.3,
3806092.4,    1526.6,    1832.7,       0.0);
    ( 396298.9, 3806087.2,    1510.3,    1983.9,       0.0);         ( 396322.5,
3806081.9,    1497.7,    1990.0,       0.0);
    ( 396346.1, 3806076.7,    1495.8,    1990.0,       0.0);         ( 396369.7,
3806071.4,    1502.1,    1990.0,       0.0);
    ( 396393.3, 3806066.2,    1505.8,    1979.9,       0.0);         ( 396416.9,
3806060.9,    1492.9,    1990.0,       0.0);
    ( 396440.5, 3806055.7,    1481.0,    1990.0,       0.0);         ( 396464.1,
3806050.4,    1484.1,    1990.0,       0.0);
    ( 396487.7, 3806045.2,    1486.2,    1990.0,       0.0);         ( 396511.3,
3806040.0,    1489.5,    1990.0,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(384343.5, 3815756.0, 903.4, 1105.5, 0.0); (384342.5,
3815780.2, 895.2, 1150.0, 0.0);
(384341.5, 3815804.4, 902.0, 1148.9, 0.0); (384340.5,
3815828.6, 908.2, 1105.5, 0.0);
(384339.5, 3815852.8, 914.2, 1105.5, 0.0); (384338.5,
3815877.0, 916.0, 1105.5, 0.0);
(383023.5, 3815654.5, 867.9, 1105.5, 0.0); (383034.7,
3815633.0, 876.3, 1105.5, 0.0);
(383045.8, 3815611.5, 883.9, 1105.5, 0.0); (383057.0,
3815590.0, 889.6, 1105.5, 0.0);
(383068.1, 3815568.5, 890.7, 1105.5, 0.0); (383079.3,
3815547.0, 888.9, 1105.5, 0.0);
(383090.4, 3815525.5, 884.5, 1105.5, 0.0); (383101.5,
3815504.0, 882.0, 1105.5, 0.0);

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     ( 383112.7, 3815482.6,     890.1,    1105.5,       0.0);         ( 383123.8,
3815461.1,     897.8,    1105.5,       0.0);
     ( 383135.0, 3815439.6,     904.8,    1105.5,       0.0);         ( 383146.1,
3815418.1,     911.9,    1105.5,       0.0);
     ( 383157.3, 3815396.6,     914.3,    1105.5,       0.0);         ( 383168.5,
3815375.1,     911.2,    1105.5,       0.0);
     ( 383179.6, 3815353.6,     904.4,    1105.5,       0.0);         ( 383190.8,
3815332.1,     898.6,    1105.5,       0.0);
     ( 383201.9, 3815310.6,     892.5,    1105.5,       0.0);         ( 383213.0,
3815289.1,     888.0,    1105.5,       0.0);
     ( 383224.2, 3815267.6,     880.6,    1105.5,       0.0);         ( 383235.3,
3815246.1,     879.9,    1105.5,       0.0);
     ( 383246.5, 3815224.6,     877.2,    1105.5,       0.0);         ( 383257.6,
3815203.2,     875.4,    1105.5,       0.0);
     ( 383268.8, 3815181.7,     874.9,    1105.5,       0.0);         ( 383279.9,
3815160.2,     875.1,    1105.5,       0.0);
     ( 383291.1, 3815138.7,     875.6,    1105.5,       0.0);         ( 383302.2,
3815117.2,     875.9,    1105.5,       0.0);
     ( 383313.4, 3815095.7,     876.3,    1105.5,       0.0);         ( 383324.5,
3815074.2,     875.7,    1105.5,       0.0);
     ( 383335.7, 3815052.7,     875.9,    1105.5,       0.0);         ( 383346.8,
3815031.2,     875.6,    1105.5,       0.0);
     ( 383358.0, 3815009.7,     875.4,    1105.5,       0.0);         ( 383369.1,
3814988.2,     874.8,    1105.5,       0.0);
     ( 383380.3, 3814966.7,     871.7,    1105.5,       0.0);         ( 383391.4,
3814945.2,     866.4,    1105.5,       0.0);
     ( 383402.6, 3814923.8,     861.3,    1105.5,       0.0);         ( 383413.7,
3814902.3,     854.9,    1105.5,       0.0);
     ( 383424.9, 3814880.8,     848.8,    1105.5,       0.0);         ( 383436.0,
3814859.3,     842.8,    1105.5,       0.0);
     ( 383447.2, 3814837.8,     837.4,    1105.5,       0.0);         ( 383458.3,
3814816.3,     832.3,    1105.5,       0.0);
     ( 383469.5, 3814794.8,     828.1,    1105.5,       0.0);         ( 383480.6,
3814773.3,     825.9,    1105.5,       0.0);
     ( 383491.8, 3814751.8,     823.6,    1105.5,       0.0);         ( 383502.9,
3814730.3,     821.0,    1105.5,       0.0);
     ( 383514.1, 3814708.8,     818.4,    1105.5,       0.0);         ( 383525.2,
3814687.3,     815.6,    1105.5,       0.0);
     ( 383536.4, 3814665.8,     812.4,    1105.5,       0.0);         ( 383547.5,
3814644.3,     808.9,    1105.5,       0.0);
     ( 383558.7, 3814622.8,     804.8,    1105.5,       0.0);         ( 383569.8,
3814601.4,     802.2,    1258.9,       0.0);
     ( 383581.0, 3814579.9,     803.2,    1258.9,       0.0);         ( 383592.1,
3814558.4,     806.7,    1105.5,       0.0);
     ( 383603.3, 3814536.9,     811.4,    1105.5,       0.0);         ( 383614.4,
3814515.4,     813.1,    1105.5,       0.0);
     ( 383625.6, 3814493.9,     813.9,    1105.5,       0.0);         ( 383636.7,
3814472.4,     813.4,    1105.5,       0.0);
     ( 383647.9, 3814450.9,     812.7,    1258.9,       0.0);         ( 383659.0,
3814429.4,     810.2,    1258.9,       0.0);
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(383670.2, 3814407.9, 806.5, 1258.9, 0.0); (383681.3, 3814386.4, 802.6, 1258.9, 0.0);
(383692.5, 3814364.9, 798.4, 1258.9, 0.0); (383703.6, 3814343.4, 794.2, 1258.9, 0.0);
(383714.8, 3814322.0, 791.8, 1939.6, 0.0); (383725.9, 3814300.5, 791.3, 1939.6, 0.0);
(383737.1, 3814279.0, 784.7, 1939.6, 0.0); (383748.2, 3814257.5, 777.2, 1958.8, 0.0);
(383759.4, 3814236.0, 769.5, 1958.8, 0.0); (383770.5, 3814214.5, 766.9, 1981.2, 0.0);
(383781.7, 3814193.0, 773.5, 1958.8, 0.0); (383792.8, 3814171.5, 781.6, 1958.8, 0.0);
(383804.0, 3814150.0, 787.7, 1958.8, 0.0); (383815.1, 3814128.5, 787.2, 1958.8, 0.0);
(383826.3, 3814107.0, 785.9, 1958.8, 0.0); (383837.4, 3814085.5, 783.8, 1981.2, 0.0);
(383848.6, 3814064.0, 781.8, 1981.2, 0.0); (383859.7, 3814042.5, 775.5, 1981.2, 0.0);
(383870.9, 3814021.1, 771.5, 1981.2, 0.0); (383882.0, 3813999.6, 773.2, 1981.2, 0.0);
(383893.2, 3813978.1, 779.6, 1981.2, 0.0); (383904.3, 3813956.6, 784.9, 1981.2, 0.0);
(383915.5, 3813935.1, 785.1, 1981.2, 0.0); (383926.6, 3813913.6, 779.3, 1981.2, 0.0);
(383937.8, 3813892.1, 778.9, 1985.1, 0.0); (383948.9, 3813870.6, 784.1, 1981.2, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(383960.0, 3813849.1, 786.9, 1981.2, 0.0); (383971.2, 3813827.6, 787.4, 1982.9, 0.0);
(383982.3, 3813806.1, 784.7, 1988.0, 0.0); (383993.5, 3813784.6, 779.8, 1990.0, 0.0);
(384004.6, 3813763.1, 774.4, 1990.0, 0.0); (384015.8, 3813741.7, 768.2, 1990.0, 0.0);
(384027.0, 3813720.2, 762.6, 1990.0, 0.0); (384038.1, 3813698.7, 757.5, 1990.0, 0.0);
(384049.2, 3813677.2, 754.4, 1990.0, 0.0); (384060.4, 3813655.7, 750.6, 1990.0, 0.0);
(384071.5, 3813634.2, 750.0, 1990.0, 0.0); (384082.7, 3813612.7, 747.8, 1990.0, 0.0);

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     ( 384093.8, 3813591.2,     744.1,    1990.0,       0.0);         ( 384105.0,
3813569.7,     740.6,    1990.0,       0.0);
     ( 384116.1, 3813548.2,     739.4,    1990.0,       0.0);         ( 384127.3,
3813526.7,     738.4,    1990.0,       0.0);
     ( 384138.4, 3813505.2,     737.0,    1990.0,       0.0);         ( 384149.6,
3813483.8,     735.2,    1990.0,       0.0);
     ( 384160.7, 3813462.2,     734.0,    1990.0,       0.0);         ( 384171.9,
3813440.8,     735.2,    1990.0,       0.0);
     ( 384183.0, 3813419.3,     735.7,    1990.0,       0.0);         ( 384194.2,
3813397.8,     736.7,    1990.0,       0.0);
     ( 384205.3, 3813376.3,     740.4,    1990.0,       0.0);         ( 384216.5,
3813354.8,     740.6,    1990.0,       0.0);
     ( 384227.6, 3813333.3,     736.1,    1990.0,       0.0);         ( 384238.8,
3813311.8,     732.4,    1990.0,       0.0);
     ( 384249.9, 3813290.3,     728.2,    1990.0,       0.0);         ( 384261.1,
3813268.8,     727.0,    1990.0,       0.0);
     ( 384272.2, 3813247.3,     731.8,    1990.0,       0.0);         ( 384283.4,
3813225.8,     733.7,    1990.0,       0.0);
     ( 384294.5, 3813204.3,     737.4,    1990.0,       0.0);         ( 384305.7,
3813182.8,     743.2,    1990.0,       0.0);
     ( 384316.8, 3813161.4,     755.3,    1990.0,       0.0);         ( 384328.0,
3813139.9,     760.4,    1990.0,       0.0);
     ( 384339.1, 3813118.4,     753.7,    1990.0,       0.0);         ( 384350.3,
3813096.9,     745.0,    1990.0,       0.0);
     ( 384361.4, 3813075.4,     748.0,    1990.0,       0.0);         ( 384372.6,
3813053.9,     750.0,    1990.0,       0.0);
     ( 384383.7, 3813032.4,     741.9,    1990.0,       0.0);         ( 384394.9,
3813010.9,     732.7,    1990.0,       0.0);
     ( 384406.0, 3812989.4,     736.3,    1990.0,       0.0);         ( 384417.2,
3812967.9,     743.4,    1990.0,       0.0);
     ( 384428.3, 3812946.4,     742.7,    1990.0,       0.0);         ( 384439.5,
3812924.9,     743.1,    1990.0,       0.0);
     ( 384450.6, 3812903.4,     746.3,    1990.0,       0.0);         ( 384461.8,
3812881.9,     743.2,    1990.0,       0.0);
     ( 384472.9, 3812860.5,     741.1,    1990.0,       0.0);         ( 384484.1,
3812839.0,     745.5,    1990.0,       0.0);
     ( 384495.2, 3812817.5,     744.4,    1990.0,       0.0);         ( 384506.4,
3812796.0,     737.7,    1990.0,       0.0);
     ( 384517.5, 3812774.5,     734.4,    1990.0,       0.0);         ( 384528.7,
3812753.0,     730.5,    1990.0,       0.0);
     ( 384539.8, 3812731.5,     735.3,    1990.0,       0.0);         ( 384551.0,
3812710.0,     738.8,    1990.0,       0.0);
     ( 384562.1, 3812688.5,     744.0,    1990.0,       0.0);         ( 384573.3,
3812667.0,     747.5,    1990.0,       0.0);
     ( 384584.4, 3812645.5,     756.5,    1990.0,       0.0);         ( 384595.6,
3812624.0,     763.2,    1990.0,       0.0);
     ( 384606.7, 3812602.5,     774.1,    1990.0,       0.0);         ( 384617.9,
3812581.1,     775.1,    1990.0,       0.0);
     ( 384629.0, 3812559.6,     773.2,    1990.0,       0.0);         ( 384640.2,
3812538.1,     770.0,    1990.0,       0.0);
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(384651.3, 3812516.6, 763.1, 1990.0, 0.0); (384662.5, 3812495.1, 758.6, 1990.0, 0.0);
(384673.6, 3812473.6, 755.8, 1990.0, 0.0); (384684.8, 3812452.1, 754.1, 1990.0, 0.0);
(384695.9, 3812430.6, 745.7, 1990.0, 0.0); (384707.1, 3812409.1, 736.3, 1990.0, 0.0);
(384718.2, 3812387.6, 726.3, 1990.0, 0.0); (384729.4, 3812366.1, 720.2, 1990.0, 0.0);
(384740.5, 3812344.6, 715.6, 1990.0, 0.0); (384751.6, 3812323.1, 712.7, 1990.0, 0.0);
(384762.8, 3812301.6, 713.1, 1990.0, 0.0); (384774.0, 3812280.2, 716.0, 1990.0, 0.0);
(384785.1, 3812258.7, 722.7, 1990.0, 0.0); (384796.2, 3812237.2, 721.0, 1990.0, 0.0);
(384807.4, 3812215.7, 717.3, 1990.0, 0.0); (384818.5, 3812194.2, 723.2, 1990.0, 0.0);
(384829.7, 3812172.7, 727.4, 1990.0, 0.0); (384840.8, 3812151.2, 736.8, 1990.0, 0.0);
(384852.0, 3812129.7, 746.9, 1990.0, 0.0); (384863.1, 3812108.2, 750.6, 1990.0, 0.0);
(384874.3, 3812086.7, 759.0, 1990.0, 0.0); (384885.5, 3812065.2, 761.2, 1990.0, 0.0);
(384896.6, 3812043.7, 755.3, 1990.0, 0.0); (384907.8, 3812022.2, 747.1, 1990.0, 0.0);
(384918.9, 3812000.8, 750.4, 1990.0, 0.0); (384930.0, 3811979.3, 764.6, 1990.0, 0.0);
(384941.2, 3811957.8, 773.5, 1990.0, 0.0); (384952.3, 3811936.3, 768.1, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(384963.5, 3811914.8, 752.9, 1990.0, 0.0); (384974.6, 3811893.3, 739.3, 1990.0, 0.0);
(384985.8, 3811871.8, 726.9, 1990.0, 0.0); (384996.9, 3811850.3, 720.8, 1990.0, 0.0);
(385008.1, 3811828.8, 728.1, 1990.0, 0.0); (385019.2, 3811807.3, 723.4, 1990.0, 0.0);
(385030.4, 3811785.8, 718.2, 1990.0, 0.0); (385041.5, 3811764.3, 712.0, 1990.0, 0.0);
(385052.7, 3811742.8, 707.9, 1990.0, 0.0); (385063.8, 3811721.3, 706.3, 1990.0, 0.0);

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    ( 385075.0, 3811699.9,     702.4,    1990.0,       0.0);         ( 385086.1,
3811678.4,     703.9,    1990.0,       0.0);
    ( 385097.3, 3811656.9,     703.3,    1990.0,       0.0);         ( 385108.4,
3811635.4,     704.3,    1990.0,       0.0);
    ( 385119.6, 3811613.9,     704.0,    1990.0,       0.0);         ( 385130.7,
3811592.4,     704.8,    1990.0,       0.0);
    ( 385141.9, 3811570.9,     706.2,    1990.0,       0.0);         ( 385153.0,
3811549.4,     707.4,    1990.0,       0.0);
    ( 385164.2, 3811527.9,     711.2,    1990.0,       0.0);         ( 385175.3,
3811506.4,     715.8,    1990.0,       0.0);
    ( 385186.5, 3811484.9,     719.2,    1990.0,       0.0);         ( 385197.6,
3811463.4,     726.8,    1990.0,       0.0);
    ( 385208.8, 3811441.9,     729.7,    1990.0,       0.0);         ( 385219.9,
3811420.5,     728.8,    1990.0,       0.0);
    ( 385231.1, 3811399.0,     725.4,    1990.0,       0.0);         ( 385242.2,
3811377.5,     722.0,    1990.0,       0.0);
    ( 385253.4, 3811356.0,     719.8,    1990.0,       0.0);         ( 385264.5,
3811334.5,     718.8,    1990.0,       0.0);
    ( 385275.7, 3811313.0,     722.4,    1990.0,       0.0);         ( 385286.8,
3811291.5,     731.1,    1990.0,       0.0);
    ( 385298.0, 3811270.0,     735.9,    1990.0,       0.0);         ( 385309.1,
3811248.5,     735.2,    1990.0,       0.0);
    ( 385320.3, 3811227.0,     736.2,    1990.0,       0.0);         ( 385331.4,
3811205.5,     736.3,    1990.0,       0.0);
    ( 385342.6, 3811184.0,     735.0,    1990.0,       0.0);         ( 385353.7,
3811162.5,     731.6,    1990.0,       0.0);
    ( 385364.9, 3811141.0,     730.5,    1990.0,       0.0);         ( 385376.0,
3811119.6,     729.4,    1990.0,       0.0);
    ( 385387.2, 3811098.1,     726.2,    1990.0,       0.0);         ( 385398.3,
3811076.6,     722.9,    1990.0,       0.0);
    ( 385409.5, 3811055.1,     725.7,    1990.0,       0.0);         ( 385420.6,
3811033.6,     721.8,    1990.0,       0.0);
    ( 385431.8, 3811012.1,     722.3,    1990.0,       0.0);         ( 385442.9,
3810990.6,     722.6,    1990.0,       0.0);
    ( 385454.1, 3810969.1,     722.9,    1990.0,       0.0);         ( 385465.2,
3810947.6,     722.8,    1990.0,       0.0);
    ( 385476.4, 3810926.1,     722.2,    1990.0,       0.0);         ( 385487.5,
3810904.6,     722.0,    1990.0,       0.0);
    ( 385498.7, 3810883.1,     722.1,    1990.0,       0.0);         ( 385509.8,
3810861.6,     722.6,    1990.0,       0.0);
    ( 385521.0, 3810840.2,     723.1,    1990.0,       0.0);         ( 385532.1,
3810818.7,     723.4,    1990.0,       0.0);
    ( 385543.3, 3810797.2,     723.0,    1990.0,       0.0);         ( 385554.4,
3810775.7,     723.6,    1990.0,       0.0);
    ( 385565.6, 3810754.2,     725.0,    1990.0,       0.0);         ( 385576.7,
3810732.7,     725.6,    1990.0,       0.0);
    ( 385587.8, 3810711.2,     726.9,    1990.0,       0.0);         ( 385599.0,
3810689.7,     727.8,    1990.0,       0.0);
    ( 385610.1, 3810668.2,     729.0,    1990.0,       0.0);         ( 385621.3,
3810646.7,     729.2,    1990.0,       0.0);
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(385632.5, 3810625.2, 730.0, 1990.0, 0.0); (385643.6, 3810603.7, 731.3, 1990.0, 0.0);
(385654.8, 3810582.2, 733.0, 1990.0, 0.0); (385665.9, 3810560.8, 739.4, 1990.0, 0.0);
(385677.0, 3810539.3, 746.2, 1990.0, 0.0); (385688.2, 3810517.8, 757.4, 1990.0, 0.0);
(385699.3, 3810496.3, 765.1, 1990.0, 0.0); (385710.5, 3810474.8, 772.1, 1990.0, 0.0);
(385721.6, 3810453.3, 777.4, 1990.0, 0.0); (385732.8, 3810431.8, 775.9, 1990.0, 0.0);
(385744.0, 3810410.3, 783.0, 1990.0, 0.0); (385755.1, 3810388.8, 783.8, 1990.0, 0.0);
(385766.2, 3810367.3, 785.2, 1990.0, 0.0); (385777.4, 3810345.8, 784.7, 1990.0, 0.0);
(385788.5, 3810324.3, 781.3, 1990.0, 0.0); (385799.7, 3810302.8, 774.4, 1990.0, 0.0);
(385810.8, 3810281.3, 775.5, 1990.0, 0.0); (385822.0, 3810259.9, 775.3, 1990.0, 0.0);
(385833.1, 3810238.4, 780.8, 1990.0, 0.0); (385844.3, 3810216.9, 787.8, 1990.0, 0.0);
(385855.4, 3810195.4, 788.2, 1990.0, 0.0); (385866.6, 3810173.9, 788.2, 1990.0, 0.0);
(385877.7, 3810152.4, 786.7, 1990.0, 0.0); (385888.9, 3810130.9, 787.6, 1990.0, 0.0);
(385900.0, 3810109.4, 789.1, 1990.0, 0.0); (385911.2, 3810087.9, 789.9, 1990.0, 0.0);
(385922.3, 3810066.4, 786.3, 1990.0, 0.0); (385933.5, 3810044.9, 781.2, 1990.0, 0.0);
(385944.6, 3810023.4, 781.8, 1990.0, 0.0); (385955.8, 3810001.9, 771.4, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(385966.9, 3809980.4, 766.8, 1990.0, 0.0); (385978.1, 3809959.0, 766.9, 1990.0, 0.0);
(385989.2, 3809937.5, 763.6, 1990.0, 0.0); (386000.4, 3809916.0, 763.8, 1990.0, 0.0);
(386011.5, 3809894.5, 764.9, 1990.0, 0.0); (386022.7, 3809873.0, 767.3, 1990.0, 0.0);
(386033.8, 3809851.5, 774.9, 1990.0, 0.0); (386045.0, 3809830.0, 777.1, 1990.0, 0.0);

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    ( 386056.1, 3809808.5,     772.2,    1990.0,       0.0);         ( 386067.3,
3809787.0,     763.7,    1990.0,       0.0);
    ( 386078.4, 3809765.5,     763.3,    1990.0,       0.0);         ( 386089.6,
3809744.0,     764.2,    1990.0,       0.0);
    ( 386100.7, 3809722.5,     764.7,    1990.0,       0.0);         ( 386111.9,
3809701.0,     765.6,    1990.0,       0.0);
    ( 386123.0, 3809679.6,     766.2,    1990.0,       0.0);         ( 386134.2,
3809658.1,     768.2,    1990.0,       0.0);
    ( 386145.3, 3809636.6,     772.1,    1990.0,       0.0);         ( 386156.5,
3809615.1,     780.9,    1990.0,       0.0);
    ( 386167.6, 3809593.6,     788.4,    1990.0,       0.0);         ( 386178.8,
3809572.1,     791.2,    1990.0,       0.0);
    ( 386189.9, 3809550.6,     796.2,    1990.0,       0.0);         ( 386201.1,
3809529.1,     801.1,    1990.0,       0.0);
    ( 386212.2, 3809507.6,     814.1,    1990.0,       0.0);         ( 386223.4,
3809486.1,     832.0,    1990.0,       0.0);
    ( 386234.5, 3809464.6,     851.4,    1990.0,       0.0);         ( 386245.7,
3809443.1,     859.0,    1990.0,       0.0);
    ( 386256.8, 3809421.6,     863.8,    1990.0,       0.0);         ( 386268.0,
3809400.1,     868.2,    1990.0,       0.0);
    ( 386279.1, 3809378.7,     878.2,    1990.0,       0.0);         ( 386290.3,
3809357.2,     884.7,    1990.0,       0.0);
    ( 386301.4, 3809335.7,     884.3,    1990.0,       0.0);         ( 386312.6,
3809314.2,     874.0,    1990.0,       0.0);
    ( 386323.7, 3809292.7,     859.2,    1990.0,       0.0);         ( 386334.9,
3809271.2,     843.1,    1990.0,       0.0);
    ( 386346.0, 3809249.7,     828.6,    1990.0,       0.0);         ( 386357.2,
3809228.2,     832.7,    1990.0,       0.0);
    ( 386368.3, 3809206.7,     848.3,    1990.0,       0.0);         ( 386379.5,
3809185.2,     864.4,    1990.0,       0.0);
    ( 386390.6, 3809163.7,     879.4,    1990.0,       0.0);         ( 386401.8,
3809142.2,     890.9,    1990.0,       0.0);
    ( 386412.9, 3809120.8,     899.9,    1990.0,       0.0);         ( 386424.0,
3809099.2,     906.8,    1990.0,       0.0);
    ( 386435.2, 3809077.8,     908.4,    1990.0,       0.0);         ( 386446.3,
3809056.3,     907.3,    1990.0,       0.0);
    ( 386457.5, 3809034.8,     897.3,    1990.0,       0.0);         ( 386468.6,
3809013.3,     886.5,    1990.0,       0.0);
    ( 386479.8, 3808991.8,     877.8,    1990.0,       0.0);         ( 386491.0,
3808970.3,     873.6,    1990.0,       0.0);
    ( 386502.1, 3808948.8,     876.6,    1990.0,       0.0);         ( 386513.2,
3808927.3,     881.0,    1990.0,       0.0);
    ( 386524.4, 3808905.8,     885.3,    1990.0,       0.0);         ( 386535.5,
3808884.3,     884.9,    1990.0,       0.0);
    ( 386546.7, 3808862.8,     882.3,    1990.0,       0.0);         ( 386557.8,
3808841.3,     877.1,    1990.0,       0.0);
    ( 386569.0, 3808819.8,     866.9,    1990.0,       0.0);         ( 386580.1,
3808798.4,     860.8,    1990.0,       0.0);
    ( 386591.3, 3808776.9,     862.3,    1990.0,       0.0);         ( 386602.4,
3808755.4,     865.1,    1990.0,       0.0);
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     ( 386613.6, 3808733.9,     850.7,    1990.0,       0.0);         ( 386624.7,
3808712.4,     841.6,    1990.0,       0.0);
     ( 386635.9, 3808690.9,     837.2,    1990.0,       0.0);         ( 386647.0,
3808669.4,     834.2,    1990.0,       0.0);
     ( 386658.2, 3808647.9,     831.4,    1990.0,       0.0);         ( 386669.3,
3808626.4,     830.3,    1990.0,       0.0);
     ( 386680.5, 3808604.9,     830.7,    1990.0,       0.0);         ( 386691.6,
3808583.4,     831.7,    1990.0,       0.0);
     ( 386702.8, 3808561.9,     835.8,    1990.0,       0.0);         ( 386713.9,
3808540.4,     843.5,    1990.0,       0.0);
     ( 386725.1, 3808518.9,     845.9,    1990.0,       0.0);         ( 386736.2,
3808497.5,     844.4,    1990.0,       0.0);
     ( 386747.4, 3808476.0,     838.5,    1990.0,       0.0);         ( 386758.5,
3808454.5,     847.1,    1990.0,       0.0);
     ( 386769.7, 3808433.0,     846.3,    1990.0,       0.0);         ( 386780.8,
3808411.5,     849.5,    1990.0,       0.0);
     ( 386792.0, 3808390.0,     846.6,    1990.0,       0.0);         ( 386803.1,
3808368.5,     847.3,    1990.0,       0.0);
     ( 386814.3, 3808347.0,     847.3,    1990.0,       0.0);         ( 386825.4,
3808325.5,     848.8,    1990.0,       0.0);
     ( 386836.6, 3808304.0,     849.4,    1990.0,       0.0);         ( 386847.7,
3808282.5,     848.4,    1990.0,       0.0);
     ( 386858.9, 3808261.0,     849.9,    1990.0,       0.0);         ( 386870.0,
3808239.5,     853.8,    1990.0,       0.0);
     ( 386881.2, 3808218.1,     855.1,    1990.0,       0.0);         ( 386892.3,
3808196.6,     859.1,    1990.0,       0.0);
     ( 386903.5, 3808175.1,     865.0,    1990.0,       0.0);         ( 386914.6,
3808153.6,     866.7,    1990.0,       0.0);
     ( 386925.8, 3808132.1,     868.0,    1990.0,       0.0);         ( 386936.9,
3808110.6,     874.2,    1990.0,       0.0);
     ( 386948.1, 3808089.1,     882.5,    1990.0,       0.0);         ( 386959.2,
3808067.6,     892.2,    1990.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                         ***        09:14:47

                                    PAGE 264
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

     ( 386970.4, 3808046.1,     896.2,    1990.0,       0.0);         ( 386981.5,
3808024.6,     897.5,    1990.0,       0.0);
     ( 386992.7, 3808003.1,     901.3,    1990.0,       0.0);         ( 387003.8,
3807981.6,     902.4,    1990.0,       0.0);
     ( 387015.0, 3807960.1,     904.8,    1990.0,       0.0);         ( 387026.1,
3807938.6,     906.8,    1990.0,       0.0);
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     ( 387037.3, 3807917.2,     909.7,    1990.0,       0.0);         ( 387048.4,
3807895.7,     910.9,    1990.0,       0.0);
     ( 387059.6, 3807874.2,     911.1,    1990.0,       0.0);         ( 387070.7,
3807852.7,     912.3,    1990.0,       0.0);
     ( 387081.9, 3807831.2,     913.7,    1990.0,       0.0);         ( 387093.0,
3807809.7,     913.9,    1990.0,       0.0);
     ( 387104.2, 3807788.2,     914.2,    1990.0,       0.0);         ( 387115.3,
3807766.7,     913.4,    1990.0,       0.0);
     ( 387126.5, 3807745.2,     915.9,    1990.0,       0.0);         ( 387137.6,
3807723.7,     919.3,    1990.0,       0.0);
     ( 387148.8, 3807702.2,     917.9,    1990.0,       0.0);         ( 387159.9,
3807680.7,     928.3,    1990.0,       0.0);
     ( 387171.1, 3807659.2,     933.4,    1990.0,       0.0);         ( 387182.2,
3807637.8,     932.2,    1990.0,       0.0);
     ( 387193.4, 3807616.3,     940.8,    1990.0,       0.0);         ( 387204.5,
3807594.8,     944.1,    1990.0,       0.0);
     ( 387215.7, 3807573.3,     945.2,    1990.0,       0.0);         ( 387226.8,
3807551.8,     947.7,    1990.0,       0.0);
     ( 387238.0, 3807530.3,     946.8,    1990.0,       0.0);         ( 387249.1,
3807508.8,     946.4,    1990.0,       0.0);
     ( 387260.2, 3807487.3,     947.4,    1990.0,       0.0);         ( 387271.4,
3807465.8,     950.1,    1990.0,       0.0);
     ( 387282.5, 3807444.3,     948.9,    1990.0,       0.0);         ( 387293.7,
3807422.8,     950.2,    1990.0,       0.0);
     ( 387304.8, 3807401.3,     950.2,    1990.0,       0.0);         ( 387316.0,
3807379.8,     945.9,    1990.0,       0.0);
     ( 387327.1, 3807358.3,     944.7,    1990.0,       0.0);         ( 387338.3,
3807336.9,     946.2,    1990.0,       0.0);
     ( 387349.5, 3807315.4,     948.6,    1990.0,       0.0);         ( 387360.6,
3807293.9,     951.3,    1990.0,       0.0);
     ( 387371.8, 3807272.4,     953.6,    1990.0,       0.0);         ( 387382.9,
3807250.9,     956.8,    1990.0,       0.0);
     ( 387394.0, 3807229.4,     962.0,    1990.0,       0.0);         ( 387405.2,
3807207.9,     969.3,    1990.0,       0.0);
     ( 387416.3, 3807186.4,     969.8,    1990.0,       0.0);         ( 387427.5,
3807164.9,     974.0,    1990.0,       0.0);
     ( 387438.6, 3807143.4,     979.4,    1990.0,       0.0);         ( 387449.8,
3807121.9,     983.9,    1990.0,       0.0);
     ( 387460.9, 3807100.4,     988.8,    1990.0,       0.0);         ( 387472.1,
3807078.9,     998.1,    1990.0,       0.0);
     ( 387483.2, 3807057.5,    1000.4,    1990.0,       0.0);         ( 387494.4,
3807036.0,    1001.5,    1990.0,       0.0);
     ( 387505.5, 3807014.5,    1002.2,    1990.0,       0.0);         ( 387516.7,
3806993.0,    1006.4,    1990.0,       0.0);
     ( 387527.8, 3806971.5,    1009.9,    1990.0,       0.0);         ( 387539.0,
3806950.0,    1014.9,    1990.0,       0.0);
     ( 387550.1, 3806928.5,    1020.0,    1990.0,       0.0);         ( 387561.3,
3806907.0,    1023.5,    1990.0,       0.0);
     ( 387572.4, 3806885.5,    1026.5,    1990.0,       0.0);         ( 387583.6,
3806864.0,    1034.1,    1990.0,       0.0);
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(387594.7, 3806842.5, 1040.1, 1990.0, 0.0); (387605.9,
3806821.0, 1047.8, 1990.0, 0.0);
(387617.0, 3806799.5, 1054.8, 1990.0, 0.0); (387651.8,
3806772.8, 1065.0, 1990.0, 0.0);
(387675.5, 3806767.5, 1055.5, 1990.0, 0.0); (387699.1,
3806762.3, 1047.9, 1990.0, 0.0);
(387722.7, 3806757.0, 1053.9, 1990.0, 0.0); (387746.4,
3806751.8, 1060.5, 1990.0, 0.0);
(387770.0, 3806746.5, 1059.1, 1990.0, 0.0); (387793.6,
3806741.2, 1051.9, 1990.0, 0.0);
(387817.3, 3806736.0, 1061.4, 1990.0, 0.0); (387840.9,
3806730.7, 1073.1, 1990.0, 0.0);
(387864.5, 3806725.5, 1078.7, 1990.0, 0.0); (387888.2,
3806720.2, 1083.7, 1990.0, 0.0);
(387911.8, 3806715.0, 1092.2, 1990.0, 0.0); (387935.4,
3806709.7, 1100.2, 1990.0, 0.0);
(387959.1, 3806704.5, 1104.9, 1990.0, 0.0); (387982.7,
3806699.2, 1108.4, 1990.0, 0.0);
(388006.3, 3806693.9, 1112.1, 1990.0, 0.0); (388030.0,
3806688.7, 1114.5, 1990.0, 0.0);
(388053.6, 3806683.4, 1116.1, 1990.0, 0.0); (388077.2,
3806678.2, 1120.7, 1990.0, 0.0);
(388100.9, 3806672.9, 1124.8, 1990.0, 0.0); (388124.5,
3806667.7, 1128.2, 1990.0, 0.0);
(388148.1, 3806662.4, 1131.4, 1990.0, 0.0); (388171.8,
3806657.1, 1135.0, 1990.0, 0.0);
(388195.4, 3806651.9, 1130.0, 1990.0, 0.0); (388219.0,
3806646.6, 1117.2, 1990.0, 0.0);
(388242.7, 3806641.4, 1114.6, 1990.0, 0.0); (388266.3,
3806636.1, 1126.0, 1990.0, 0.0);
(388290.0, 3806630.9, 1134.6, 1990.0, 0.0); (388313.6,
3806625.6, 1136.8, 1990.0, 0.0);
(388337.2, 3806620.3, 1137.0, 1990.0, 0.0); (388360.9,
3806615.1, 1134.0, 1990.0, 0.0);

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

(388384.5, 3806609.8, 1130.7, 1990.0, 0.0); (388408.1,
3806604.6, 1125.4, 1990.0, 0.0);
(388431.8, 3806599.3, 1126.3, 1990.0, 0.0); (388455.4,
3806594.1, 1131.5, 1990.0, 0.0);

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    ( 388479.0, 3806588.8,    1136.9,    1990.0,       0.0);         ( 388502.7,
3806583.5,    1138.9,    1990.0,       0.0);
    ( 388526.3, 3806578.3,    1142.7,    1990.0,       0.0);         ( 388549.9,
3806573.0,    1152.0,    1990.0,       0.0);
    ( 388573.6, 3806567.8,    1168.9,    1990.0,       0.0);         ( 388597.2,
3806562.5,    1180.6,    1990.0,       0.0);
    ( 388620.8, 3806557.3,    1192.9,    1990.0,       0.0);         ( 388644.5,
3806552.0,    1207.2,    1990.0,       0.0);
    ( 388668.1, 3806546.8,    1220.7,    1990.0,       0.0);         ( 388691.8,
3806541.5,    1232.3,    1990.0,       0.0);
    ( 388715.4, 3806536.2,    1243.3,    1990.0,       0.0);         ( 388739.0,
3806531.0,    1243.2,    1990.0,       0.0);
    ( 388762.6, 3806525.7,    1246.2,    1990.0,       0.0);         ( 388786.3,
3806520.5,    1255.1,    1990.0,       0.0);
    ( 388809.9, 3806515.2,    1267.6,    1990.0,       0.0);         ( 388833.6,
3806509.9,    1283.4,    1990.0,       0.0);
    ( 388857.2, 3806504.7,    1300.1,    1990.0,       0.0);         ( 388880.8,
3806499.4,    1314.0,    1990.0,       0.0);
    ( 388904.5, 3806494.2,    1327.7,    1990.0,       0.0);         ( 388928.1,
3806488.9,    1341.6,    1990.0,       0.0);
    ( 388951.7, 3806483.7,    1355.9,    1990.0,       0.0);         ( 388975.4,
3806478.4,    1370.6,    1990.0,       0.0);
    ( 388999.0, 3806473.1,    1385.2,    1990.0,       0.0);         ( 389022.6,
3806467.9,    1400.9,    1990.0,       0.0);
    ( 389046.3, 3806462.6,    1417.3,    1990.0,       0.0);         ( 389069.9,
3806457.4,    1435.2,    1990.0,       0.0);
    ( 389093.5, 3806452.1,    1454.6,    1990.0,       0.0);         ( 389117.2,
3806446.9,    1470.2,    1990.0,       0.0);
    ( 389140.8, 3806441.6,    1468.9,    1990.0,       0.0);         ( 389164.4,
3806436.3,    1459.6,    1990.0,       0.0);
    ( 389188.1, 3806431.1,    1447.6,    1990.0,       0.0);         ( 389211.7,
3806425.8,    1443.7,    1990.0,       0.0);
    ( 389235.3, 3806420.6,    1446.3,    1990.0,       0.0);         ( 389259.0,
3806415.3,    1442.5,    1990.0,       0.0);
    ( 389282.6, 3806410.1,    1430.4,    1990.0,       0.0);         ( 389306.2,
3806404.8,    1419.4,    1990.0,       0.0);
    ( 389329.9, 3806399.5,    1415.1,    1990.0,       0.0);         ( 389353.5,
3806394.3,    1415.5,    1990.0,       0.0);
    ( 389377.2, 3806389.0,    1415.3,    1990.0,       0.0);         ( 389400.8,
3806383.8,    1412.6,    1990.0,       0.0);
    ( 389424.4, 3806378.5,    1404.3,    1990.0,       0.0);         ( 389448.1,
3806373.3,    1391.3,    1990.0,       0.0);
    ( 389471.7, 3806368.0,    1378.3,    1990.0,       0.0);         ( 389495.3,
3806362.8,    1364.8,    1990.0,       0.0);
    ( 389519.0, 3806357.5,    1353.6,    1990.0,       0.0);         ( 389542.6,
3806352.2,    1345.9,    1990.0,       0.0);
    ( 389566.2, 3806347.0,    1343.7,    1990.0,       0.0);         ( 389589.9,
3806341.7,    1342.4,    1990.0,       0.0);
    ( 389613.5, 3806336.5,    1342.2,    1990.0,       0.0);         ( 389637.1,
3806331.2,    1339.5,    1990.0,       0.0);
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(389660.8, 3806325.9, 1331.7, 1990.0, 0.0); (389684.4,
3806320.7, 1328.9, 1990.0, 0.0);
(389708.0, 3806315.4, 1328.8, 1990.0, 0.0); (389731.7,
3806310.2, 1331.3, 1990.0, 0.0);
(389755.3, 3806304.9, 1332.7, 1990.0, 0.0); (389779.0,
3806299.7, 1331.8, 1990.0, 0.0);
(389802.6, 3806294.4, 1333.1, 1990.0, 0.0); (389826.2,
3806289.2, 1334.5, 1990.0, 0.0);
(389849.8, 3806283.9, 1331.8, 1990.0, 0.0); (389873.5,
3806278.6, 1329.7, 1990.0, 0.0);
(389897.1, 3806273.4, 1330.3, 1990.0, 0.0); (389920.8,
3806268.1, 1331.6, 1990.0, 0.0);
(389944.4, 3806262.9, 1333.8, 1990.0, 0.0); (389968.0,
3806257.6, 1336.2, 1990.0, 0.0);
(389991.7, 3806252.4, 1340.7, 1990.0, 0.0); (390015.3,
3806247.1, 1343.9, 1990.0, 0.0);
(390038.9, 3806241.8, 1345.0, 1990.0, 0.0); (390062.6,
3806236.6, 1351.6, 1990.0, 0.0);
(390086.2, 3806231.3, 1360.2, 1990.0, 0.0); (390109.8,
3806226.1, 1369.4, 1990.0, 0.0);
(390133.5, 3806220.8, 1380.8, 1990.0, 0.0); (390157.1,
3806215.6, 1392.7, 1990.0, 0.0);
(390180.7, 3806210.3, 1398.1, 1990.0, 0.0); (390204.4,
3806205.0, 1407.5, 1990.0, 0.0);
(390228.0, 3806199.8, 1418.6, 1990.0, 0.0); (390251.6,
3806194.5, 1429.9, 1990.0, 0.0);
(390275.3, 3806189.3, 1441.6, 1990.0, 0.0); (390298.9,
3806184.0, 1453.6, 1990.0, 0.0);
(390322.5, 3806178.8, 1462.0, 1990.0, 0.0); (390346.2,
3806173.5, 1469.5, 1990.0, 0.0);
(390369.8, 3806168.2, 1478.6, 1990.0, 0.0); (390393.5,
3806163.0, 1489.0, 1990.0, 0.0);
(390417.1, 3806157.7, 1492.6, 1990.0, 0.0); (390440.7,
3806152.5, 1488.9, 1990.0, 0.0);
(390464.4, 3806147.2, 1488.8, 1990.0, 0.0); (390488.0,
3806142.0, 1493.9, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(390511.6, 3806136.7, 1504.8, 1990.0, 0.0); (390535.3,
3806131.4, 1516.8, 1990.0, 0.0);

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     ( 390558.9, 3806126.2,    1528.5,    1990.0,       0.0);         ( 390582.5,
3806120.9,    1539.6,    1990.0,       0.0);
     ( 390606.2, 3806115.7,    1552.5,    1990.0,       0.0);         ( 390629.8,
3806110.4,    1567.0,    1990.0,       0.0);
     ( 390653.4, 3806105.2,    1580.4,    1990.0,       0.0);         ( 390677.1,
3806099.9,    1593.7,    1990.0,       0.0);
     ( 390700.7, 3806094.6,    1607.5,    1990.0,       0.0);         ( 390724.3,
3806089.4,    1622.3,    1990.0,       0.0);
     ( 390748.0, 3806084.1,    1631.8,    1990.0,       0.0);         ( 390771.6,
3806078.9,    1647.3,    1990.0,       0.0);
     ( 390795.2, 3806073.6,    1664.7,    1990.0,       0.0);         ( 390818.9,
3806068.4,    1681.8,    1990.0,       0.0);
     ( 390842.5, 3806063.1,    1698.4,    1990.0,       0.0);         ( 390866.1,
3806057.8,    1716.5,    1990.0,       0.0);
     ( 390889.8, 3806052.6,    1735.9,    1990.0,       0.0);         ( 390913.4,
3806047.3,    1755.7,    1990.0,       0.0);
     ( 390937.0, 3806042.1,    1775.0,    1990.0,       0.0);         ( 390960.7,
3806036.8,    1793.7,    1990.0,       0.0);
     ( 390984.3, 3806031.6,    1809.8,    1990.0,       0.0);         ( 391008.0,
3806026.3,    1820.0,    1990.0,       0.0);
     ( 391031.6, 3806021.0,    1828.4,    1988.8,       0.0);         ( 391055.2,
3806015.8,    1833.7,    1985.1,       0.0);
     ( 391078.9, 3806010.5,    1824.9,    1990.0,       0.0);         ( 391102.5,
3806005.3,    1815.7,    1990.0,       0.0);
     ( 391126.1, 3806000.0,    1816.8,    1990.0,       0.0);         ( 391149.8,
3805994.8,    1822.4,    1990.0,       0.0);
     ( 391173.4, 3805989.5,    1829.3,    1990.0,       0.0);         ( 391197.0,
3805984.2,    1834.7,    1990.0,       0.0);
     ( 391220.7, 3805979.0,    1836.8,    1990.0,       0.0);         ( 391244.3,
3805973.7,    1833.8,    1990.0,       0.0);
     ( 391267.9, 3805968.5,    1828.1,    1990.0,       0.0);         ( 391291.6,
3805963.2,    1822.8,    1990.0,       0.0);
     ( 391315.2, 3805958.0,    1818.8,    1990.0,       0.0);         ( 391338.8,
3805952.7,    1815.0,    1990.0,       0.0);
     ( 391362.5, 3805947.4,    1810.0,    1990.0,       0.0);         ( 391386.1,
3805942.2,    1803.5,    1990.0,       0.0);
     ( 391409.8, 3805936.9,    1800.5,    1990.0,       0.0);         ( 391433.4,
3805931.7,    1796.8,    1990.0,       0.0);
     ( 391457.0, 3805926.4,    1792.9,    1990.0,       0.0);         ( 391480.7,
3805921.2,    1788.3,    1990.0,       0.0);
     ( 391504.3, 3805915.9,    1783.6,    1990.0,       0.0);         ( 391527.9,
3805910.6,    1779.3,    1990.0,       0.0);
     ( 391551.6, 3805905.4,    1775.0,    1990.0,       0.0);         ( 391575.2,
3805900.1,    1772.3,    1990.0,       0.0);
     ( 391598.8, 3805894.9,    1772.2,    1990.0,       0.0);         ( 391622.5,
3805889.6,    1772.2,    1990.0,       0.0);
     ( 391646.1, 3805884.4,    1769.3,    1990.0,       0.0);         ( 391669.7,
3805879.1,    1764.0,    1990.0,       0.0);
     ( 391693.4, 3805873.8,    1759.2,    1990.0,       0.0);         ( 391717.0,
3805868.6,    1753.5,    1990.0,       0.0);
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(391740.6, 3805863.3, 1752.0, 1990.0, 0.0); (391764.3,
3805858.1, 1744.4, 1990.0, 0.0);
(391787.9, 3805852.8, 1735.8, 1990.0, 0.0); (391811.5,
3805847.6, 1731.0, 1990.0, 0.0);
(391835.2, 3805842.3, 1727.8, 1990.0, 0.0); (391858.8,
3805837.1, 1725.5, 1990.0, 0.0);
(391882.5, 3805831.8, 1722.0, 1990.0, 0.0); (391906.1,
3805826.5, 1717.5, 1990.0, 0.0);
(391929.7, 3805821.3, 1717.0, 1990.0, 0.0); (391953.3,
3805816.0, 1717.2, 1990.0, 0.0);
(391977.0, 3805810.8, 1711.3, 1990.0, 0.0); (392000.6,
3805805.5, 1706.6, 1990.0, 0.0);
(392024.3, 3805800.3, 1699.5, 1990.0, 0.0); (392047.9,
3805795.0, 1691.5, 1990.0, 0.0);
(392071.5, 3805789.7, 1683.2, 1990.0, 0.0); (392095.2,
3805784.5, 1673.2, 1990.0, 0.0);
(392118.8, 3805779.2, 1665.6, 1990.0, 0.0); (392142.4,
3805774.0, 1662.0, 1990.0, 0.0);
(392166.1, 3805768.7, 1663.3, 1990.0, 0.0); (392189.7,
3805763.5, 1662.1, 1990.0, 0.0);
(392213.3, 3805758.2, 1659.8, 1990.0, 0.0); (392237.0,
3805752.9, 1660.9, 1990.0, 0.0);
(392260.6, 3805747.7, 1658.0, 1990.0, 0.0); (392284.2,
3805742.4, 1646.8, 1990.0, 0.0);
(392307.9, 3805737.2, 1637.4, 1990.0, 0.0); (392331.5,
3805731.9, 1627.2, 1990.0, 0.0);
(392355.1, 3805726.7, 1623.6, 1990.0, 0.0); (392378.8,
3805721.4, 1618.9, 1990.0, 0.0);
(392402.4, 3805716.1, 1612.3, 1990.0, 0.0); (392426.0,
3805710.9, 1599.5, 1990.0, 0.0);
(392449.7, 3805705.6, 1592.1, 1990.0, 0.0); (392473.3,
3805700.4, 1584.5, 1990.0, 0.0);
(392497.0, 3805695.1, 1573.5, 1990.0, 0.0); (392520.6,
3805689.9, 1563.0, 1990.0, 0.0);
(392544.2, 3805684.6, 1556.2, 1990.0, 0.0); (392567.9,
3805679.3, 1551.5, 1990.0, 0.0);
(392591.5, 3805674.1, 1544.7, 1990.0, 0.0); (392615.1,
3805668.8, 1535.8, 1990.0, 0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

```
    ( 392638.8, 3805663.6,    1528.8,    1990.0,       0.0);         ( 392662.4,
3805658.3,    1524.2,    1990.0,       0.0);
    ( 392686.0, 3805653.1,    1519.1,    1990.0,       0.0);         ( 392709.7,
3805647.8,    1517.6,    1990.0,       0.0);
    ( 392733.3, 3805642.5,    1519.1,    1990.0,       0.0);         ( 392756.9,
3805637.3,    1527.7,    1990.0,       0.0);
    ( 392780.6, 3805632.0,    1537.5,    1990.0,       0.0);         ( 392804.2,
3805626.8,    1540.3,    1990.0,       0.0);
    ( 392827.8, 3805621.5,    1534.1,    1990.0,       0.0);         ( 392851.5,
3805616.3,    1532.9,    1990.0,       0.0);
    ( 392875.1, 3805611.0,    1539.7,    1990.0,       0.0);         ( 392898.7,
3805605.8,    1548.3,    1990.0,       0.0);
    ( 392922.4, 3805600.5,    1555.0,    1990.0,       0.0);         ( 392946.0,
3805595.2,    1556.5,    1990.0,       0.0);
    ( 392969.6, 3805590.0,    1552.2,    1990.0,       0.0);         ( 392993.3,
3805584.7,    1554.9,    1990.0,       0.0);
    ( 393016.9, 3805579.5,    1560.0,    1990.0,       0.0);         ( 393040.5,
3805574.2,    1554.1,    1990.0,       0.0);
    ( 393064.2, 3805568.9,    1549.4,    1990.0,       0.0);         ( 393087.8,
3805563.7,    1553.0,    1990.0,       0.0);
    ( 393111.5, 3805558.4,    1553.0,    1990.0,       0.0);         ( 393135.1,
3805553.2,    1543.7,    1990.0,       0.0);
    ( 393158.7, 3805547.9,    1530.7,    1990.0,       0.0);         ( 393182.4,
3805542.7,    1517.1,    1990.0,       0.0);
    ( 393206.0, 3805537.4,    1503.8,    1990.0,       0.0);         ( 393229.6,
3805532.1,    1490.5,    1990.0,       0.0);
    ( 393253.3, 3805526.9,    1476.1,    1990.0,       0.0);         ( 393276.9,
3805521.6,    1470.3,    1990.0,       0.0);
    ( 393300.5, 3805516.4,    1487.0,    1990.0,       0.0);         ( 393324.2,
3805511.1,    1504.7,    1990.0,       0.0);
    ( 393347.8, 3805505.9,    1520.4,    1990.0,       0.0);         ( 393371.4,
3805500.6,    1521.8,    1990.0,       0.0);
    ( 393395.1, 3805495.3,    1518.1,    1990.0,       0.0);         ( 393418.7,
3805490.1,    1516.0,    1990.0,       0.0);
    ( 393442.3, 3805484.8,    1522.7,    1990.0,       0.0);         ( 393466.0,
3805479.6,    1531.8,    1990.0,       0.0);
    ( 393489.6, 3805474.3,    1542.2,    1990.0,       0.0);         ( 393513.2,
3805469.1,    1553.5,    1990.0,       0.0);
    ( 393536.9, 3805463.8,    1569.9,    1990.0,       0.0);         ( 393560.5,
3805458.5,    1588.0,    1990.0,       0.0);
    ( 393584.1, 3805453.3,    1604.2,    1990.0,       0.0);         ( 393607.8,
3805448.0,    1622.1,    1990.0,       0.0);
    ( 393631.4, 3805442.8,    1640.7,    1990.0,       0.0);         ( 393655.1,
3805437.5,    1658.5,    1990.0,       0.0);
    ( 393678.7, 3805432.3,    1673.9,    1990.0,       0.0);         ( 393702.3,
3805427.0,    1687.8,    1990.0,       0.0);
    ( 393726.0, 3805421.8,    1697.8,    1990.0,       0.0);         ( 393749.6,
3805416.5,    1701.0,    1990.0,       0.0);
    ( 393773.2, 3805411.2,    1698.8,    1990.0,       0.0);         ( 393796.9,
3805406.0,    1694.1,    1990.0,       0.0);
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     ( 393820.5, 3805400.7,    1690.0,    1990.0,       0.0);         ( 393844.1,
3805395.5,    1687.8,    1990.0,       0.0);
     ( 393867.8, 3805390.2,    1684.5,    1990.0,       0.0);         ( 393891.4,
3805385.0,    1680.4,    1990.0,       0.0);
     ( 393915.0, 3805379.7,    1679.2,    1990.0,       0.0);         ( 393938.7,
3805374.4,    1681.6,    1990.0,       0.0);
     ( 393962.3, 3805369.2,    1683.0,    1990.0,       0.0);         ( 393985.9,
3805363.9,    1679.3,    1990.0,       0.0);
     ( 394009.6, 3805358.7,    1673.6,    1990.0,       0.0);         ( 394033.2,
3805353.4,    1663.3,    1990.0,       0.0);
     ( 394056.8, 3805348.2,    1654.4,    1990.0,       0.0);         ( 394080.5,
3805342.9,    1645.1,    1990.0,       0.0);
     ( 394104.1, 3805337.6,    1633.1,    1990.0,       0.0);         ( 394127.8,
3805332.4,    1634.8,    1990.0,       0.0);
     ( 394151.4, 3805327.1,    1636.9,    1990.0,       0.0);         ( 394175.0,
3805321.9,    1635.3,    1990.0,       0.0);
     ( 394198.7, 3805316.6,    1630.4,    1990.0,       0.0);         ( 394222.3,
3805311.4,    1619.5,    1990.0,       0.0);
     ( 394245.9, 3805306.1,    1606.2,    1990.0,       0.0);         ( 394269.6,
3805300.8,    1592.2,    1990.0,       0.0);
     ( 394293.2, 3805295.6,    1585.0,    1990.0,       0.0);         ( 394316.8,
3805290.3,    1595.5,    1990.0,       0.0);
     ( 394340.5, 3805285.1,    1608.5,    1990.0,       0.0);         ( 394364.1,
3805279.8,    1622.9,    1990.0,       0.0);
     ( 394387.7, 3805274.6,    1636.5,    1990.0,       0.0);         ( 394411.4,
3805269.3,    1646.9,    1990.0,       0.0);
     ( 394435.0, 3805264.0,    1655.8,    1990.0,       0.0);         ( 394458.6,
3805258.8,    1664.2,    1990.0,       0.0);
     ( 394482.3, 3805253.5,    1672.6,    1990.0,       0.0);         ( 394505.9,
3805248.3,    1680.8,    1990.0,       0.0);
     ( 394529.5, 3805243.0,    1687.7,    1990.0,       0.0);         ( 394553.2,
3805237.8,    1692.4,    1990.0,       0.0);
     ( 394576.8, 3805232.5,    1694.0,    1990.0,       0.0);         ( 394600.5,
3805227.2,    1692.2,    1990.0,       0.0);
     ( 394624.1, 3805222.0,    1686.6,    1990.0,       0.0);         ( 394647.7,
3805216.7,    1679.5,    1990.0,       0.0);
     ( 394671.3, 3805211.5,    1673.8,    1990.0,       0.0);         ( 394695.0,
3805206.2,    1668.9,    1990.0,       0.0);
     ( 394718.6, 3805201.0,    1662.0,    1990.0,       0.0);         ( 394742.3,
3805195.7,    1656.8,    1990.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                        ***       09:14:47

                                    PAGE 268
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

(394765.9, 3805190.4, 1653.3, 1990.0, 0.0); (394789.5, 3805185.2, 1653.0, 1990.0, 0.0);
(394813.2, 3805179.9, 1654.0, 1990.0, 0.0); (394836.8, 3805174.7, 1653.8, 1990.0, 0.0);
(394860.4, 3805169.4, 1652.8, 1990.0, 0.0); (394884.1, 3805164.2, 1650.9, 1990.0, 0.0);
(394907.7, 3805158.9, 1643.6, 1990.0, 0.0); (394931.3, 3805153.6, 1634.0, 1990.0, 0.0);
(394955.0, 3805148.4, 1643.2, 1990.0, 0.0); (394978.6, 3805143.1, 1659.0, 1990.0, 0.0);
(395002.2, 3805137.9, 1675.5, 1832.7, 0.0); (395025.9, 3805132.6, 1690.5, 1832.7, 0.0);
(395049.5, 3805127.4, 1697.3, 1832.7, 0.0); (395073.1, 3805122.1, 1700.0, 1832.7, 0.0);
(395096.8, 3805116.8, 1702.5, 1832.7, 0.0); (395120.4, 3805111.6, 1710.8, 1832.7, 0.0);
(395144.0, 3805106.3, 1720.4, 1807.7, 0.0); (395167.7, 3805101.1, 1730.2, 1807.7, 0.0);
(395191.3, 3805095.8, 1738.5, 1807.7, 0.0); (395215.0, 3805090.6, 1742.0, 1807.7, 0.0);
(395238.6, 3805085.3, 1741.3, 1807.7, 0.0); (395262.2, 3805080.0, 1739.0, 1807.7, 0.0);
(395285.9, 3805074.8, 1735.0, 1807.7, 0.0); (395309.5, 3805069.5, 1731.4, 1832.7, 0.0);
(395333.1, 3805064.3, 1726.7, 1832.7, 0.0); (395356.8, 3805059.0, 1722.5, 1832.7, 0.0);
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(395569.5, 3805011.7, 1718.2, 1832.7, 0.0); (395593.1, 3805006.5, 1727.3, 1832.7, 0.0);
(395616.8, 3805001.2, 1737.6, 1832.7, 0.0); (395640.4, 3804995.9, 1748.6, 1832.7, 0.0);
(395664.0, 3804990.7, 1759.9, 1832.7, 0.0); (395687.6, 3804985.4, 1772.7, 1807.7, 0.0);
(395711.3, 3804980.2, 1785.5, 1807.7, 0.0); (395734.9, 3804974.9, 1795.2, 1807.7, 0.0);
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     ( 395947.6, 3804927.6,    1754.2,    1832.7,       0.0);         ( 395971.3,
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     ( 395994.9, 3804917.1,    1738.6,    1832.7,       0.0);         ( 396018.5,
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     ( 396042.2, 3804906.6,    1715.2,    1832.7,       0.0);         ( 396065.8,
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     ( 396136.7, 3804885.5,    1691.6,    1832.7,       0.0);         ( 396160.3,
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     ( 396184.0, 3804875.0,    1683.0,    1832.7,       0.0);         ( 396207.6,
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     ( 396278.5, 3804854.0,    1710.3,    1832.7,       0.0);         ( 396302.2,
3804848.8,    1713.4,    1832.7,       0.0);
     ( 396325.8, 3804843.5,    1710.6,    1832.7,       0.0);         ( 396349.4,
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     ( 396373.1, 3804833.0,    1697.0,    1832.7,       0.0);         ( 396396.7,
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     ( 396420.3, 3804822.5,    1679.7,    1832.7,       0.0);         ( 396444.0,
3804817.2,    1672.6,    1832.7,       0.0);
     ( 396467.6, 3804811.9,    1662.9,    1832.7,       0.0);         ( 396491.2,
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     ( 396514.9, 3804801.4,    1645.6,    1832.7,       0.0);         ( 396538.5,
3804796.2,    1648.5,    1832.7,       0.0);
     ( 396562.1, 3804790.9,    1655.7,    1832.7,       0.0);         ( 396585.8,
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     ( 396656.7, 3804769.9,    1655.4,    1832.7,       0.0);         ( 396680.3,
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     ( 396798.5, 3804738.3,    1696.1,    1832.7,       0.0);         ( 396822.1,
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     ( 396845.8, 3804727.8,    1723.1,    1832.7,       0.0);         ( 396869.4,
3804722.6,    1733.7,    1832.7,       0.0);
↟ *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                       ***       09:14:47

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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(397176.6, 3804654.2, 1644.9, 1832.7, 0.0); (397200.3, 3804649.0, 1633.4, 1832.7, 0.0);
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(397271.2, 3804633.2, 1619.5, 1832.7, 0.0); (397294.8, 3804627.9, 1614.4, 1832.7, 0.0);
(397318.5, 3804622.7, 1603.1, 1832.7, 0.0); (397342.1, 3804617.4, 1599.4, 1832.7, 0.0);
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(383010.3, 3815724.4, 835.7, 1154.3, 0.0); (383009.3, 3815748.6, 833.4, 1154.3, 0.0);
(383008.3, 3815772.8, 836.9, 1154.3, 0.0); (383007.3, 3815797.0, 842.9, 1154.3, 0.0);
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(394692.6, 3816161.0, 912.8, 1440.1, 0.0); (394845.9, 3816228.2, 917.3, 1440.1, 0.0);
(394745.9, 3816165.1, 910.8, 1440.1, 0.0); (394739.2, 3816131.4, 909.6, 1440.1, 0.0);
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(395259.3, 3815572.7, 930.4, 1356.4, 0.0); (395239.3,
3815560.0, 935.6, 1356.4, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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(395139.3, 3815497.0, 924.6, 1356.4, 0.0); (395119.3, 3815484.4, 924.5, 1356.4, 0.0);
(395019.3, 3815421.3, 934.3, 1356.4, 0.0); (394999.3, 3815408.7, 933.9, 1356.4, 0.0);
(394979.3, 3815396.1, 933.4, 1356.4, 0.0); (394959.3, 3815383.4, 932.8, 1356.4, 0.0);
(395432.7, 3815386.4, 941.5, 1607.3, 0.0); (395412.7, 3815373.8, 945.6, 1607.3, 0.0);
(395392.7, 3815361.2, 952.0, 1356.4, 0.0); (395372.7, 3815348.6, 953.6, 1356.4, 0.0);
(395352.7, 3815336.0, 953.8, 1356.4, 0.0); (395332.7, 3815323.4, 953.6, 1356.4, 0.0);
(395312.7, 3815310.8, 953.7, 1356.4, 0.0); (395292.7, 3815298.1, 950.7, 1356.4, 0.0);
(395272.7, 3815285.5, 941.8, 1356.4, 0.0); (395252.7, 3815272.9, 940.3, 1356.4, 0.0);
(395232.7, 3815260.3, 944.9, 1356.4, 0.0); (395212.7, 3815247.7, 952.8, 1356.4, 0.0);
(395192.7, 3815235.1, 953.5, 1356.4, 0.0); (395172.7, 3815222.4, 953.2, 1356.4, 0.0);
(395152.7, 3815209.8, 952.2, 1356.4, 0.0); (395132.7, 3815197.2, 949.1, 1356.4, 0.0);
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(395526.0, 3815149.7, 970.7, 1356.4, 0.0); (395506.0, 3815137.1, 971.7, 1356.4, 0.0);
(395486.0, 3815124.5, 972.4, 1356.4, 0.0); (395466.0, 3815111.9, 972.7, 1356.4, 0.0);
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     ( 395659.4, 3814938.3,     988.7,    1356.4,       0.0);         ( 395639.4,
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     ( 395619.4, 3814913.0,     993.1,    1356.4,       0.0);         ( 395599.4,
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     ( 395579.4, 3814887.8,     994.9,    1356.4,       0.0);         ( 395559.4,
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     ( 395539.4, 3814862.6,     995.0,    1356.4,       0.0);         ( 395519.4,
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     ( 395499.4, 3814837.4,     994.5,    1356.4,       0.0);         ( 395479.4,
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     ( 395459.4, 3814812.1,     992.4,    1356.4,       0.0);         ( 395439.4,
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     ( 395419.4, 3814786.9,     996.5,    1356.4,       0.0);         ( 395399.4,
3814774.3,    1001.0,    1356.4,       0.0);
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     ( 395712.8, 3814676.4,    1018.0,    1356.4,       0.0);         ( 395692.8,
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     ( 396019.5, 3814278.7,    1156.2,    1356.4,       0.0);         ( 395999.5,
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 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                         ***       09:14:47
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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(395859.5, 3814177.8, 1171.7, 1356.4, 0.0); (395839.5, 3814165.1, 1162.4, 1356.4, 0.0);
(395819.5, 3814152.5, 1157.6, 1356.4, 0.0); (395799.5, 3814139.9, 1163.7, 1356.4, 0.0);
(395779.5, 3814127.3, 1170.7, 1356.4, 0.0); (395759.4, 3814114.7, 1179.9, 1356.4, 0.0);
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(396326.2, 3813881.0, 1266.0, 1356.4, 0.0); (396306.2, 3813868.4, 1262.2, 1356.4, 0.0);
(396286.2, 3813855.8, 1252.9, 1356.4, 0.0); (396266.2, 3813843.1, 1241.9, 1356.4, 0.0);
(396246.2, 3813830.5, 1233.3, 1356.4, 0.0); (396226.2, 3813817.9, 1225.1, 1356.4, 0.0);
(396206.2, 3813805.3, 1228.0, 1356.4, 0.0); (396186.2, 3813792.7, 1234.5, 1356.4, 0.0);
(396166.2, 3813780.1, 1245.8, 1356.4, 0.0); (396146.2, 3813767.4, 1260.4, 1356.4, 0.0);
(396126.2, 3813754.8, 1271.4, 1356.4, 0.0); (396106.2, 3813742.2, 1267.7, 1356.4, 0.0);
(396086.2, 3813729.6, 1260.5, 1356.4, 0.0); (396066.2, 3813717.0, 1251.8, 1356.4, 0.0);
(396046.2, 3813704.4, 1246.5, 1356.4, 0.0); (396026.2, 3813691.8, 1250.6, 1356.4, 0.0);
(396632.9, 3813483.3, 1239.0, 1356.4, 0.0); (396612.9, 3813470.7, 1227.2, 1356.4, 0.0);
(396592.9, 3813458.1, 1214.6, 1356.4, 0.0); (396572.9, 3813445.4, 1200.0, 1356.4, 0.0);
(396552.9, 3813432.8, 1189.6, 1356.4, 0.0); (396532.9, 3813420.2, 1179.0, 1356.4, 0.0);
(396512.9, 3813407.6, 1169.1, 1356.4, 0.0); (396492.9, 3813395.0, 1161.3, 1356.4, 0.0);
(396472.9, 3813382.4, 1153.4, 1356.4, 0.0); (396452.9, 3813369.8, 1147.5, 1356.4, 0.0);
(396432.9, 3813357.1, 1143.1, 1356.4, 0.0); (396412.9, 3813344.5, 1134.8, 1356.4, 0.0);
(396392.9, 3813331.9, 1126.1, 1356.4, 0.0); (396372.9, 3813319.3, 1118.4, 1356.4, 0.0);

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     ( 396352.9, 3813306.7,    1113.4,    1356.4,       0.0);         ( 396332.9,
3813294.1,    1107.5,    1356.4,       0.0);
     ( 396312.9, 3813281.5,    1101.8,    1356.4,       0.0);         ( 396292.9,
3813268.8,    1095.4,    1356.4,       0.0);
     ( 396899.6, 3813060.4,    1221.3,    1356.4,       0.0);         ( 396879.6,
3813047.8,    1213.1,    1356.4,       0.0);
     ( 396859.6, 3813035.1,    1204.2,    1356.4,       0.0);         ( 396839.6,
3813022.5,    1198.4,    1356.4,       0.0);
     ( 396819.6, 3813009.9,    1195.1,    1356.4,       0.0);         ( 396799.6,
3812997.3,    1195.6,    1356.4,       0.0);
     ( 396779.6, 3812984.7,    1188.5,    1356.4,       0.0);         ( 396759.6,
3812972.1,    1176.9,    1356.4,       0.0);
     ( 396739.6, 3812959.4,    1164.9,    1356.4,       0.0);         ( 396719.6,
3812946.8,    1150.6,    1356.4,       0.0);
     ( 396699.6, 3812934.2,    1138.0,    1356.4,       0.0);         ( 396679.6,
3812921.6,    1126.6,    1356.4,       0.0);
     ( 396659.6, 3812909.0,    1117.0,    1356.4,       0.0);         ( 396639.6,
3812896.4,    1109.0,    1763.5,       0.0);
     ( 396619.6, 3812883.8,    1101.0,    1763.5,       0.0);         ( 396599.6,
3812871.1,    1093.2,    1763.5,       0.0);
     ( 396579.6, 3812858.5,    1091.4,    1763.5,       0.0);         ( 396559.6,
3812845.9,    1088.8,    1763.5,       0.0);
     ( 397610.9, 3811932.6,    1170.2,    2084.7,       0.0);         ( 397590.9,
3811920.0,    1169.3,    2084.7,       0.0);
     ( 397570.9, 3811907.3,    1161.9,    2170.7,       0.0);         ( 397550.9,
3811894.7,    1158.2,    2170.7,       0.0);
     ( 397530.9, 3811882.1,    1153.5,    2170.7,       0.0);         ( 397510.8,
3811869.5,    1145.2,    2170.7,       0.0);
     ( 397490.8, 3811856.9,    1139.3,    2170.7,       0.0);         ( 397470.8,
3811844.3,    1132.3,    2170.7,       0.0);
     ( 397450.8, 3811831.7,    1126.2,    2170.7,       0.0);         ( 397430.8,
3811819.0,    1122.1,    2170.7,       0.0);
     ( 397410.8, 3811806.4,    1116.6,    2170.7,       0.0);         ( 397390.8,
3811793.8,    1114.8,    2170.7,       0.0);
     ( 397370.8, 3811781.2,    1113.7,    2170.7,       0.0);         ( 397350.8,
3811768.6,    1106.2,    2170.7,       0.0);
     ( 397330.8, 3811756.0,    1103.4,    2170.7,       0.0);         ( 397310.8,
3811743.4,    1102.7,    2170.7,       0.0);
     ( 397290.8, 3811730.8,    1103.1,    2170.7,       0.0);         ( 397270.8,
3811718.1,    1100.5,    2170.7,       0.0);
     ( 398322.1, 3810804.8,    1220.5,    2170.7,       0.0);         ( 398302.1,
3810792.2,    1206.4,    2170.7,       0.0);
     ( 398282.1, 3810779.5,    1192.8,    2170.7,       0.0);         ( 398262.1,
3810766.9,    1188.5,    2170.7,       0.0);
     ( 398242.1, 3810754.3,    1180.0,    2170.7,       0.0);         ( 398222.1,
3810741.7,    1171.9,    2170.7,       0.0);
     ( 398202.1, 3810729.1,    1161.8,    2170.7,       0.0);         ( 398182.1,
3810716.5,    1151.1,    2170.7,       0.0);
↟ *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(398162.1, 3810703.9, 1142.5, 2170.7, 0.0); (398142.1, 3810691.2, 1139.1, 2170.7, 0.0);
(398122.1, 3810678.6, 1137.3, 2170.7, 0.0); (398102.1, 3810666.0, 1133.4, 2170.7, 0.0);
(398082.1, 3810653.4, 1129.3, 2170.7, 0.0); (398062.1, 3810640.8, 1125.6, 2170.7, 0.0);
(398042.1, 3810628.2, 1120.8, 2170.7, 0.0); (398022.1, 3810615.6, 1114.7, 2170.7, 0.0);
(398002.1, 3810602.9, 1110.5, 2170.7, 0.0); (397982.1, 3810590.3, 1105.9, 2170.7, 0.0);
(399033.3, 3809677.0, 1135.7, 2170.7, 0.0); (399013.3, 3809664.4, 1132.7, 2170.7, 0.0);
(398993.3, 3809651.8, 1128.3, 2170.7, 0.0); (398973.3, 3809639.1, 1127.3, 2170.7, 0.0);
(398953.3, 3809626.5, 1130.9, 2170.7, 0.0); (398933.3, 3809613.9, 1137.5, 2170.7, 0.0);
(398913.3, 3809601.3, 1141.3, 2170.7, 0.0); (398893.3, 3809588.7, 1149.6, 2170.7, 0.0);
(398873.3, 3809576.1, 1154.5, 2170.7, 0.0); (398853.3, 3809563.5, 1155.6, 2170.7, 0.0);
(398833.3, 3809550.8, 1155.8, 2170.7, 0.0); (398813.3, 3809538.2, 1154.8, 2170.7, 0.0);
(398793.3, 3809525.6, 1147.2, 2170.7, 0.0); (398773.3, 3809513.0, 1138.7, 2170.7, 0.0);
(398753.3, 3809500.4, 1131.2, 2170.7, 0.0); (398733.3, 3809487.8, 1126.4, 2170.7, 0.0);
(398713.3, 3809475.2, 1127.4, 2170.7, 0.0); (398693.3, 3809462.5, 1131.2, 2170.7, 0.0);
(399744.6, 3808549.2, 1214.1, 2170.7, 0.0); (399724.6, 3808536.6, 1214.9, 2170.7, 0.0);
(399704.6, 3808524.0, 1216.0, 2170.7, 0.0); (399684.6, 3808511.4, 1216.9, 2170.7, 0.0);
(399664.6, 3808498.7, 1218.0, 2170.7, 0.0); (399644.6, 3808486.1, 1222.9, 2170.7, 0.0);
(399624.6, 3808473.5, 1232.5, 2170.7, 0.0); (399604.6, 3808460.9, 1238.8, 2170.7, 0.0);
(399584.6, 3808448.3, 1239.0, 2170.7, 0.0); (399564.6, 3808435.7, 1236.9, 2170.7, 0.0);
(399544.6, 3808423.1, 1237.1, 2170.7, 0.0); (399524.6, 3808410.4, 1237.9, 2170.7, 0.0);

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     ( 399504.6, 3808397.8,    1240.3,    2170.7,       0.0);         ( 399484.6,
3808385.2,    1243.9,    2170.7,       0.0);
     ( 399464.6, 3808372.6,    1251.0,    2170.7,       0.0);         ( 399444.6,
3808360.0,    1257.4,    2170.7,       0.0);
     ( 399424.6, 3808347.4,    1270.5,    2170.7,       0.0);         ( 399404.6,
3808334.8,    1276.0,    2170.7,       0.0);
     ( 400455.8, 3807421.4,    1413.3,    2170.7,       0.0);         ( 400435.8,
3807408.8,    1425.6,    2170.7,       0.0);
     ( 400415.8, 3807396.2,    1439.8,    2170.7,       0.0);         ( 400395.8,
3807383.6,    1454.8,    2170.7,       0.0);
     ( 400375.8, 3807370.9,    1468.8,    2170.7,       0.0);         ( 400355.8,
3807358.3,    1482.4,    2170.7,       0.0);
     ( 400335.8, 3807345.7,    1494.6,    2170.7,       0.0);         ( 400315.8,
3807333.1,    1508.0,    2170.7,       0.0);
     ( 400295.8, 3807320.5,    1518.7,    2170.7,       0.0);         ( 400275.8,
3807307.9,    1527.1,    2170.7,       0.0);
     ( 400255.8, 3807295.3,    1531.1,    2170.7,       0.0);         ( 400235.8,
3807282.6,    1531.4,    2170.7,       0.0);
     ( 400215.8, 3807270.0,    1535.8,    2170.7,       0.0);         ( 400195.8,
3807257.4,    1543.1,    2170.7,       0.0);
     ( 400175.8, 3807244.8,    1550.4,    2170.7,       0.0);         ( 400155.8,
3807232.2,    1559.9,    2170.7,       0.0);
     ( 400135.8, 3807219.6,    1575.8,    2170.7,       0.0);         ( 400115.8,
3807207.0,    1589.4,    2170.7,       0.0);
     ( 401167.1, 3806293.6,    1520.0,    2170.7,       0.0);         ( 401147.1,
3806281.0,    1509.9,    2170.7,       0.0);
     ( 401127.1, 3806268.4,    1509.7,    2170.7,       0.0);         ( 401107.1,
3806255.8,    1508.7,    2170.7,       0.0);
     ( 401087.1, 3806243.2,    1506.8,    2170.7,       0.0);         ( 401067.1,
3806230.5,    1503.8,    2170.7,       0.0);
     ( 401047.1, 3806217.9,    1493.4,    2170.7,       0.0);         ( 401027.1,
3806205.3,    1483.7,    2170.7,       0.0);
     ( 401007.1, 3806192.7,    1481.5,    2170.7,       0.0);         ( 400987.1,
3806180.1,    1479.2,    2170.7,       0.0);
     ( 400967.0, 3806167.5,    1464.1,    2170.7,       0.0);         ( 400947.0,
3806154.9,    1459.5,    2170.7,       0.0);
     ( 400927.0, 3806142.2,    1452.9,    2170.7,       0.0);         ( 400907.0,
3806129.6,    1448.5,    2170.7,       0.0);
     ( 400887.0, 3806117.0,    1441.7,    2170.7,       0.0);         ( 400867.0,
3806104.4,    1433.2,    2170.7,       0.0);
     ( 400847.0, 3806091.8,    1428.9,    2170.7,       0.0);         ( 400827.0,
3806079.2,    1433.2,    2170.7,       0.0);
     ( 394514.8, 3816079.1,     906.3,    1440.1,       0.0);         ( 394477.6,
3816064.9,     904.5,    1440.1,       0.0);
     ( 394523.7, 3816055.7,     904.0,    1440.1,       0.0);         ( 394486.6,
3816041.5,     903.3,    1440.1,       0.0);
     ( 394532.7, 3816032.4,     905.0,    1440.1,       0.0);         ( 394541.6,
3816009.0,     903.0,    1440.1,       0.0);
     ( 394467.3, 3815980.6,     894.1,    1440.1,       0.0);         ( 394572.7,
3815968.9,     895.6,    1440.1,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394540.9, 3815955.2, 893.1, 1440.1, 0.0); (394485.1, 3815933.9, 892.1, 1440.1, 0.0);
(394594.9, 3815924.4, 894.0, 1440.1, 0.0); (394558.7, 3815908.5, 893.1, 1440.1, 0.0);
(394503.0, 3815887.2, 892.4, 1440.1, 0.0); (394609.8, 3815876.3, 894.2, 1440.1, 0.0);
(394520.8, 3815840.5, 893.0, 1440.1, 0.0); (394630.6, 3815831.0, 895.4, 1439.0, 0.0);
(394575.9, 3815808.0, 894.0, 1439.0, 0.0); (394538.7, 3815793.8, 893.0, 1439.0, 0.0);
(394630.9, 3815775.5, 896.9, 1356.4, 0.0); (394593.7, 3815761.3, 895.0, 1356.4, 0.0);
(394648.0, 3815675.0, 911.0, 1356.4, 0.0); (394610.8, 3815660.8, 907.0, 1356.4, 0.0);
(394750.8, 3815612.9, 933.6, 1356.4, 0.0); (394683.7, 3815581.6, 913.3, 1356.4, 0.0);
(394646.6, 3815567.4, 905.3, 1356.4, 0.0); (394787.1, 3815519.9, 920.2, 1356.4, 0.0);
(394819.9, 3815536.2, 919.9, 1356.4, 0.0); (394700.8, 3815481.1, 908.2, 1356.4, 0.0);
(394663.7, 3815466.9, 908.0, 1356.4, 0.0); (394806.8, 3815418.4, 918.5, 1356.4, 0.0);
(394839.8, 3815435.0, 924.4, 1356.4, 0.0); (394718.0, 3815380.6, 921.1, 1356.4, 0.0);
(394826.1, 3815316.8, 922.0, 1356.4, 0.0); (394859.4, 3815333.5, 923.1, 1356.4, 0.0);
(394892.7, 3815350.1, 928.9, 1356.4, 0.0); (394790.9, 3815301.4, 927.0, 1356.4, 0.0);
(394753.7, 3815287.2, 930.7, 1356.4, 0.0); (394916.4, 3815083.8, 945.2, 1356.4, 0.0);
(394951.6, 3815101.4, 947.8, 1356.4, 0.0); (395022.1, 3815136.7, 951.4, 1356.4, 0.0);
(395057.4, 3815154.3, 943.6, 1356.4, 0.0); (394880.1, 3815067.9, 951.0, 1356.4, 0.0);
(394843.0, 3815053.6, 947.1, 1356.4, 0.0); (395005.0, 3814849.9, 978.6, 1356.4, 0.0);
(395090.0, 3814892.5, 988.6, 1356.4, 0.0); (395124.0, 3814909.5, 991.9, 1356.4, 0.0);

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     ( 395158.0, 3814926.5,     993.3,    1356.4,       0.0);         ( 395192.0,
3814943.5,     989.8,    1356.4,       0.0);
     ( 394969.4, 3814834.3,     978.2,    1356.4,       0.0);         ( 394932.3,
3814820.1,     977.8,    1356.4,       0.0);
     ( 395147.8, 3814643.2,    1071.0,    1356.4,       0.0);         ( 395183.1,
3814660.9,    1065.2,    1356.4,       0.0);
     ( 395218.3, 3814678.5,    1049.6,    1356.4,       0.0);         ( 395253.6,
3814696.1,    1033.0,    1356.4,       0.0);
     ( 395288.8, 3814713.8,    1019.6,    1356.4,       0.0);         ( 395324.1,
3814731.4,    1010.1,    1356.4,       0.0);
     ( 395077.3, 3814607.9,    1077.1,    1356.4,       0.0);         ( 395040.1,
3814593.7,    1084.4,    1356.4,       0.0);
     ( 395003.0, 3814579.5,    1084.5,    1356.4,       0.0);         ( 395218.1,
3814400.2,    1179.1,    1356.4,       0.0);
     ( 395252.4, 3814417.4,    1170.5,    1356.4,       0.0);         ( 395286.7,
3814434.5,    1149.5,    1356.4,       0.0);
     ( 395321.1, 3814451.7,    1124.4,    1356.4,       0.0);         ( 395355.4,
3814468.9,    1099.5,    1356.4,       0.0);
     ( 395389.7, 3814486.1,    1075.5,    1356.4,       0.0);         ( 395424.1,
3814503.2,    1054.1,    1356.4,       0.0);
     ( 395458.4, 3814520.4,    1041.9,    1356.4,       0.0);         ( 395129.4,
3814360.2,    1156.8,    1356.4,       0.0);
     ( 395092.2, 3814346.0,    1155.7,    1356.4,       0.0);         ( 395362.4,
3813916.0,    1040.1,    1356.4,       0.0);
     ( 395396.9, 3813933.3,    1047.0,    1356.4,       0.0);         ( 395431.5,
3813950.6,    1050.9,    1356.4,       0.0);
     ( 395466.0, 3813967.9,    1068.7,    1356.4,       0.0);         ( 395500.5,
3813985.1,    1084.2,    1356.4,       0.0);
     ( 395535.0, 3814002.4,    1102.2,    1356.4,       0.0);         ( 395569.6,
3814019.7,    1114.8,    1356.4,       0.0);
     ( 395604.1, 3814036.9,    1132.4,    1356.4,       0.0);         ( 395638.6,
3814054.2,    1153.4,    1356.4,       0.0);
     ( 395673.1, 3814071.5,    1175.5,    1356.4,       0.0);         ( 395707.7,
3814088.8,    1192.0,    1356.4,       0.0);
     ( 395541.0, 3813449.0,    1183.8,    1356.4,       0.0);         ( 395575.7,
3813466.4,    1179.9,    1356.4,       0.0);
     ( 395610.3, 3813483.7,    1174.9,    1356.4,       0.0);         ( 395645.0,
3813501.0,    1181.4,    1356.4,       0.0);
     ( 395679.6, 3813518.4,    1196.4,    1356.4,       0.0);         ( 395714.3,
3813535.7,    1213.3,    1356.4,       0.0);
     ( 395749.0, 3813553.1,    1232.1,    1356.4,       0.0);         ( 395783.6,
3813570.4,    1243.4,    1356.4,       0.0);
     ( 395818.2, 3813587.7,    1254.2,    1356.4,       0.0);         ( 395852.9,
3813605.1,    1263.0,    1356.4,       0.0);
     ( 395887.5, 3813622.4,    1275.6,    1320.1,       0.0);         ( 395922.2,
3813639.8,    1277.8,    1320.1,       0.0);
     ( 395956.9, 3813657.1,    1267.2,    1356.4,       0.0);         ( 395991.5,
3813674.4,    1257.8,    1356.4,       0.0);
     ( 395505.1, 3813433.3,    1175.9,    1356.4,       0.0);         ( 395468.0,
3813419.0,    1154.6,    1356.4,       0.0);
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(395719.6, 3812982.0, 1053.4, 1990.0, 0.0); (395754.4, 3812999.4, 1060.8, 1981.2, 0.0);

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

(395789.1, 3813016.8, 1067.8, 1754.3, 0.0); (395823.9, 3813034.2, 1077.6, 1614.7, 0.0);
(395858.6, 3813051.6, 1081.1, 1356.4, 0.0); (395893.3, 3813068.9, 1086.8, 1356.4, 0.0);
(395928.1, 3813086.3, 1089.9, 1356.4, 0.0); (395962.8, 3813103.7, 1089.0, 1356.4, 0.0);
(395997.6, 3813121.1, 1088.5, 1356.4, 0.0); (396032.3, 3813138.5, 1087.7, 1356.4, 0.0);
(396067.1, 3813155.9, 1087.7, 1356.4, 0.0); (396101.8, 3813173.2, 1090.0, 1356.4, 0.0);
(396136.5, 3813190.6, 1110.4, 1356.4, 0.0); (396171.3, 3813208.0, 1116.4, 1356.4, 0.0);
(396206.0, 3813225.4, 1104.5, 1356.4, 0.0); (396240.8, 3813242.8, 1097.4, 1356.4, 0.0);
(395683.7, 3812966.2, 1043.5, 1990.0, 0.0); (395646.5, 3812952.0, 1041.8, 1990.0, 0.0);
(395898.2, 3812515.0, 1039.1, 2084.7, 0.0); (395933.1, 3812532.4, 1043.5, 2084.7, 0.0);
(395967.9, 3812549.9, 1046.0, 2083.7, 0.0); (396002.7, 3812567.3, 1047.2, 2083.7, 0.0);
(396037.5, 3812584.7, 1045.6, 2084.7, 0.0); (396072.3, 3812602.1, 1050.2, 2083.7, 0.0);
(396107.1, 3812619.5, 1052.6, 2083.7, 0.0); (396141.9, 3812636.9, 1058.4, 2060.8, 0.0);
(396176.7, 3812654.3, 1054.3, 2083.7, 0.0); (396211.5, 3812671.8, 1063.0, 1981.2, 0.0);
(396246.3, 3812689.2, 1066.0, 1832.7, 0.0); (396281.1, 3812706.6, 1068.4, 1832.7, 0.0);
(396315.9, 3812724.0, 1067.8, 1832.7, 0.0); (396350.8, 3812741.4, 1069.5, 1832.7, 0.0);
(396385.5, 3812758.8, 1075.5, 1832.7, 0.0); (396420.4, 3812776.3, 1079.0, 1832.7, 0.0);
(396455.2, 3812793.7, 1078.0, 1832.7, 0.0); (396490.0, 3812811.1, 1075.1, 1832.7, 0.0);
(396524.8, 3812828.5, 1080.9, 1763.5, 0.0); (395862.3, 3812499.2, 1033.2, 2084.7, 0.0);

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    ( 395825.1, 3812485.0,    1027.5,    2084.7,       0.0);         ( 396374.6,
3811269.7,    1038.5,    2170.7,       0.0);
    ( 396409.8, 3811287.3,    1045.1,    2170.7,       0.0);         ( 396444.9,
3811304.9,    1053.2,    2170.7,       0.0);
    ( 396480.0, 3811322.5,    1049.6,    2170.7,       0.0);         ( 396515.2,
3811340.0,    1047.3,    2170.7,       0.0);
    ( 396550.3, 3811357.6,    1053.7,    2170.7,       0.0);         ( 396585.5,
3811375.2,    1057.5,    2170.7,       0.0);
    ( 396620.6, 3811392.8,    1061.4,    2170.7,       0.0);         ( 396655.8,
3811410.4,    1070.2,    2170.7,       0.0);
    ( 396690.9, 3811428.0,    1069.8,    2170.7,       0.0);         ( 396726.1,
3811445.6,    1072.2,    2170.7,       0.0);
    ( 396761.2, 3811463.1,    1076.0,    2170.7,       0.0);         ( 396796.4,
3811480.7,    1091.1,    2170.7,       0.0);
    ( 396831.5, 3811498.3,    1096.0,    2170.7,       0.0);         ( 396866.6,
3811515.9,    1094.2,    2170.7,       0.0);
    ( 396901.8, 3811533.5,    1093.3,    2170.7,       0.0);         ( 396936.9,
3811551.1,    1092.0,    2170.7,       0.0);
    ( 396972.1, 3811568.7,    1092.3,    2170.7,       0.0);         ( 397007.2,
3811586.2,    1097.2,    2170.7,       0.0);
    ( 397042.4, 3811603.8,    1096.5,    2170.7,       0.0);         ( 397077.5,
3811621.4,    1091.4,    2170.7,       0.0);
    ( 397112.7, 3811639.0,    1098.1,    2170.7,       0.0);         ( 397147.8,
3811656.6,    1097.6,    2170.7,       0.0);
    ( 397183.0, 3811674.2,    1093.7,    2170.7,       0.0);         ( 397218.1,
3811691.8,    1098.5,    2170.7,       0.0);
    ( 396338.4, 3811253.8,    1029.4,    2170.7,       0.0);         ( 396301.3,
3811239.6,    1023.0,    2170.7,       0.0);
    ( 396850.9, 3810024.3,    1059.4,    2170.7,       0.0);         ( 396886.2,
3810042.0,    1063.4,    2170.7,       0.0);
    ( 396921.6, 3810059.7,    1059.3,    2170.7,       0.0);         ( 396956.9,
3810077.4,    1058.4,    2170.7,       0.0);
    ( 396992.3, 3810095.1,    1060.0,    2170.7,       0.0);         ( 397027.6,
3810112.8,    1057.7,    2170.7,       0.0);
    ( 397063.0, 3810130.5,    1052.5,    2170.7,       0.0);         ( 397098.3,
3810148.2,    1055.6,    2170.7,       0.0);
    ( 397133.7, 3810165.8,    1056.8,    2170.7,       0.0);         ( 397169.0,
3810183.5,    1057.0,    2170.7,       0.0);
    ( 397204.4, 3810201.2,    1060.5,    2170.7,       0.0);         ( 397239.7,
3810218.9,    1062.0,    2170.7,       0.0);
    ( 397275.1, 3810236.6,    1062.7,    2170.7,       0.0);         ( 397310.4,
3810254.3,    1056.8,    2170.7,       0.0);
    ( 397345.8, 3810272.0,    1051.4,    2170.7,       0.0);         ( 397381.1,
3810289.7,    1052.8,    2170.7,       0.0);
    ( 397416.5, 3810307.3,    1053.2,    2170.7,       0.0);         ( 397451.8,
3810325.0,    1051.9,    2170.7,       0.0);
    ( 397487.2, 3810342.7,    1053.0,    2170.7,       0.0);         ( 397522.5,
3810360.4,    1055.9,    2170.7,       0.0);
    ( 397557.9, 3810378.1,    1061.3,    2170.7,       0.0);         ( 397593.2,
3810395.8,    1067.5,    2170.7,       0.0);
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(397628.6, 3810413.5, 1069.3, 2170.7, 0.0); (397663.9, 3810431.2, 1068.6, 2170.7, 0.0);
(397699.3, 3810448.8, 1069.3, 2170.7, 0.0); (397734.6, 3810466.5, 1078.3, 2170.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(397770.0, 3810484.2, 1079.0, 2170.7, 0.0); (397805.3, 3810501.9, 1084.1, 2170.7, 0.0);
(397840.7, 3810519.6, 1087.0, 2170.7, 0.0); (397876.0, 3810537.3, 1093.6, 2170.7, 0.0);
(397911.4, 3810555.0, 1097.3, 2170.7, 0.0); (397946.7, 3810572.6, 1098.3, 2170.7, 0.0);
(396814.6, 3810008.4, 1060.8, 2170.7, 0.0); (396777.5, 3809994.2, 1065.2, 2170.7, 0.0);
(397327.1, 3808779.0, 1220.9, 2170.7, 0.0); (397362.6, 3808796.7, 1212.9, 2170.7, 0.0);
(397398.1, 3808814.5, 1203.1, 2170.7, 0.0); (397433.6, 3808832.2, 1190.1, 2170.7, 0.0);
(397469.1, 3808850.0, 1177.6, 2170.7, 0.0); (397504.5, 3808867.8, 1165.1, 2170.7, 0.0);
(397540.0, 3808885.5, 1171.6, 2170.7, 0.0); (397575.5, 3808903.3, 1178.2, 2170.7, 0.0);
(397611.0, 3808921.0, 1186.6, 2170.7, 0.0); (397646.5, 3808938.8, 1194.5, 2170.7, 0.0);
(397682.0, 3808956.5, 1175.5, 2170.7, 0.0); (397717.5, 3808974.3, 1171.1, 2170.7, 0.0);
(397753.0, 3808992.0, 1167.2, 2170.7, 0.0); (397788.4, 3809009.8, 1151.6, 2170.7, 0.0);
(397823.9, 3809027.5, 1143.2, 2170.7, 0.0); (397859.4, 3809045.3, 1155.2, 2170.7, 0.0);
(397894.9, 3809063.1, 1160.2, 2170.7, 0.0); (397930.4, 3809080.8, 1151.5, 2170.7, 0.0);
(397965.9, 3809098.6, 1146.1, 2170.7, 0.0); (398001.3, 3809116.3, 1154.0, 2170.7, 0.0);
(398036.8, 3809134.1, 1154.6, 2170.7, 0.0); (398072.3, 3809151.8, 1143.7, 2170.7, 0.0);
(398107.8, 3809169.6, 1146.8, 2170.7, 0.0); (398143.3, 3809187.3, 1152.0, 2170.7, 0.0);
(398178.8, 3809205.1, 1149.2, 2170.7, 0.0); (398214.3, 3809222.9, 1142.1, 2170.7, 0.0);

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    ( 398249.8, 3809240.6,    1136.7,    2170.7,       0.0);         ( 398285.2,
3809258.4,    1139.6,    2170.7,       0.0);
    ( 398320.7, 3809276.1,    1139.6,    2170.7,       0.0);         ( 398356.2,
3809293.9,    1137.3,    2170.7,       0.0);
    ( 398391.7, 3809311.6,    1146.6,    2170.7,       0.0);         ( 398427.2,
3809329.4,    1155.6,    2170.7,       0.0);
    ( 398462.7, 3809347.1,    1170.1,    2170.7,       0.0);         ( 398498.1,
3809364.9,    1163.4,    2170.7,       0.0);
    ( 398533.6, 3809382.6,    1156.5,    2170.7,       0.0);         ( 398569.1,
3809400.4,    1147.9,    2170.7,       0.0);
    ( 398604.6, 3809418.2,    1141.1,    2170.7,       0.0);         ( 398640.1,
3809435.9,    1136.4,    2170.7,       0.0);
    ( 397290.8, 3808763.0,    1209.2,    2170.7,       0.0);         ( 397253.6,
3808748.8,    1189.0,    2170.7,       0.0);
    ( 397803.3, 3807533.6,    1411.5,    2170.7,       0.0);         ( 397838.9,
3807551.4,    1422.5,    2086.2,       0.0);
    ( 397874.5, 3807569.2,    1437.9,    2084.7,       0.0);         ( 397910.1,
3807587.0,    1457.0,    2084.7,       0.0);
    ( 397945.7, 3807604.8,    1471.1,    2084.7,       0.0);         ( 397981.3,
3807622.6,    1491.3,    2061.5,       0.0);
    ( 398016.8, 3807640.4,    1512.0,    1832.7,       0.0);         ( 398052.4,
3807658.2,    1527.9,    1832.7,       0.0);
    ( 398088.0, 3807676.0,    1541.0,    1768.0,       0.0);         ( 398123.6,
3807693.8,    1553.0,    1768.0,       0.0);
    ( 398159.2, 3807711.6,    1554.7,    1768.0,       0.0);         ( 398194.8,
3807729.4,    1542.6,    1768.0,       0.0);
    ( 398230.3, 3807747.2,    1522.0,    1814.1,       0.0);         ( 398265.9,
3807765.0,    1501.9,    2084.7,       0.0);
    ( 398301.5, 3807782.8,    1486.2,    2084.7,       0.0);         ( 398337.1,
3807800.6,    1469.0,    2084.7,       0.0);
    ( 398372.7, 3807818.5,    1451.0,    2170.7,       0.0);         ( 398408.2,
3807836.3,    1433.1,    2170.7,       0.0);
    ( 398443.8, 3807854.1,    1413.7,    2170.7,       0.0);         ( 398479.4,
3807871.9,    1402.5,    2170.7,       0.0);
    ( 398515.0, 3807889.7,    1388.7,    2170.7,       0.0);         ( 398550.6,
3807907.5,    1376.1,    2170.7,       0.0);
    ( 398586.2, 3807925.3,    1362.4,    2170.7,       0.0);         ( 398621.8,
3807943.1,    1345.3,    2170.7,       0.0);
    ( 398657.3, 3807960.9,    1324.1,    2170.7,       0.0);         ( 398692.9,
3807978.7,    1299.5,    2170.7,       0.0);
    ( 398728.5, 3807996.5,    1314.1,    2170.7,       0.0);         ( 398764.1,
3808014.3,    1328.8,    2170.7,       0.0);
    ( 398799.7, 3808032.1,    1320.8,    2170.7,       0.0);         ( 398835.2,
3808049.9,    1329.7,    2170.7,       0.0);
    ( 398870.8, 3808067.7,    1336.8,    2170.7,       0.0);         ( 398906.4,
3808085.5,    1356.2,    2170.7,       0.0);
    ( 398942.0, 3808103.3,    1379.0,    2170.7,       0.0);         ( 398977.6,
3808121.1,    1400.0,    2170.7,       0.0);
    ( 399013.1, 3808138.9,    1428.1,    2170.7,       0.0);         ( 399048.7,
3808156.7,    1436.6,    2170.7,       0.0);
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(399084.3, 3808174.5, 1431.3, 2170.7, 0.0); (399119.9,
3808192.3, 1414.2, 2170.7, 0.0);
(399155.5, 3808210.1, 1401.7, 2170.7, 0.0); (399191.1,
3808227.9, 1381.6, 2170.7, 0.0);
(399226.6, 3808245.7, 1365.1, 2170.7, 0.0); (399262.2,
3808263.5, 1345.8, 2170.7, 0.0);

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

(399297.8, 3808281.3, 1327.9, 2170.7, 0.0); (399333.4,
3808299.1, 1312.7, 2170.7, 0.0);
(399369.0, 3808316.9, 1295.3, 2170.7, 0.0); (397767.0,
3807517.6, 1399.7, 2170.7, 0.0);
(397729.8, 3807503.4, 1397.1, 2170.7, 0.0); (398279.4,
3806288.1, 1644.5, 1768.0, 0.0);
(398314.7, 3806305.8, 1630.0, 1814.0, 0.0); (398350.0,
3806323.5, 1645.2, 1768.0, 0.0);
(398385.3, 3806341.1, 1645.2, 1768.0, 0.0); (398420.7,
3806358.8, 1635.6, 1768.0, 0.0);
(398456.0, 3806376.5, 1631.3, 1768.0, 0.0); (398491.3,
3806394.1, 1630.1, 1768.0, 0.0);
(398526.6, 3806411.8, 1648.5, 1763.5, 0.0); (398561.9,
3806429.5, 1652.6, 1763.5, 0.0);
(398597.2, 3806447.2, 1664.7, 1763.5, 0.0); (398632.5,
3806464.8, 1682.0, 1763.5, 0.0);
(398667.9, 3806482.5, 1678.3, 1763.5, 0.0); (398703.2,
3806500.2, 1673.0, 1763.5, 0.0);
(398738.5, 3806517.8, 1669.4, 1763.5, 0.0); (398773.8,
3806535.5, 1658.4, 1763.5, 0.0);
(398809.1, 3806553.2, 1645.8, 1763.5, 0.0); (398844.5,
3806570.8, 1656.1, 1763.5, 0.0);
(398879.8, 3806588.5, 1670.8, 1763.5, 0.0); (398915.1,
3806606.2, 1667.7, 1763.5, 0.0);
(398950.4, 3806623.9, 1660.0, 1763.5, 0.0); (398985.7,
3806641.5, 1659.1, 1763.5, 0.0);
(399021.0, 3806659.2, 1680.5, 1763.5, 0.0); (399056.3,
3806676.9, 1700.1, 1763.5, 0.0);
(399091.6, 3806694.5, 1701.5, 1763.5, 0.0); (399127.0,
3806712.2, 1714.0, 1763.5, 0.0);
(399162.3, 3806729.9, 1717.1, 1763.5, 0.0); (399197.6,
3806747.5, 1721.4, 1763.5, 0.0);

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    ( 399232.9, 3806765.2,    1727.0,    1763.5,       0.0);         ( 399268.2,
3806782.9,    1731.0,    1763.5,       0.0);
    ( 399303.5, 3806800.6,    1731.3,    1763.5,       0.0);         ( 399338.9,
3806818.2,    1725.0,    1763.5,       0.0);
    ( 399374.2, 3806835.9,    1726.8,    1763.5,       0.0);         ( 399409.5,
3806853.6,    1724.6,    1763.5,       0.0);
    ( 399444.8, 3806871.2,    1720.0,    1763.5,       0.0);         ( 399480.1,
3806888.9,    1713.9,    1763.5,       0.0);
    ( 399515.4, 3806906.6,    1705.0,    1763.5,       0.0);         ( 399550.8,
3806924.2,    1706.3,    1763.5,       0.0);
    ( 399586.1, 3806941.9,    1719.7,    1759.2,       0.0);         ( 399621.4,
3806959.6,    1723.3,    1732.2,       0.0);
    ( 399656.7, 3806977.3,    1718.0,    1732.2,       0.0);         ( 399692.0,
3806994.9,    1708.0,    1759.2,       0.0);
    ( 399727.3, 3807012.6,    1702.5,    1759.2,       0.0);         ( 399762.6,
3807030.3,    1701.2,    1759.2,       0.0);
    ( 399798.0, 3807047.9,    1705.5,    1732.2,       0.0);         ( 399833.3,
3807065.6,    1712.6,    1715.8,       0.0);
    ( 399868.6, 3807083.3,    1707.4,    1715.8,       0.0);         ( 399903.9,
3807100.9,    1694.9,    1732.2,       0.0);
    ( 399939.2, 3807118.6,    1679.3,    2084.7,       0.0);         ( 399974.5,
3807136.3,    1665.9,    2084.7,       0.0);
    ( 400009.8, 3807154.0,    1652.3,    2084.7,       0.0);         ( 400045.2,
3807171.6,    1629.9,    2170.7,       0.0);
    ( 400080.5, 3807189.3,    1609.5,    2170.7,       0.0);         ( 398243.2,
3806272.2,    1648.4,    1768.0,       0.0);
    ( 398206.0, 3806258.0,    1642.0,    1814.0,       0.0);         ( 398755.6,
3805042.8,    1523.2,    2170.7,       0.0);
    ( 398791.0, 3805060.5,    1505.1,    2170.7,       0.0);         ( 398826.4,
3805078.2,    1482.1,    2170.7,       0.0);
    ( 398861.8, 3805095.9,    1456.3,    2170.7,       0.0);         ( 398897.3,
3805113.6,    1424.2,    2170.7,       0.0);
    ( 398932.7, 3805131.3,    1392.3,    2170.7,       0.0);         ( 398968.1,
3805149.0,    1374.4,    2170.7,       0.0);
    ( 399003.5, 3805166.8,    1357.4,    2170.7,       0.0);         ( 399038.9,
3805184.5,    1344.0,    2170.7,       0.0);
    ( 399074.3, 3805202.2,    1322.1,    2170.7,       0.0);         ( 399109.7,
3805219.9,    1318.8,    2170.7,       0.0);
    ( 399145.1, 3805237.6,    1326.2,    2170.7,       0.0);         ( 399180.5,
3805255.3,    1342.7,    2170.7,       0.0);
    ( 399215.9, 3805273.1,    1334.0,    2170.7,       0.0);         ( 399251.3,
3805290.8,    1332.5,    2170.7,       0.0);
    ( 399286.8, 3805308.5,    1330.4,    2170.7,       0.0);         ( 399322.2,
3805326.2,    1333.5,    2170.7,       0.0);
    ( 399357.6, 3805343.9,    1335.4,    2170.7,       0.0);         ( 399393.0,
3805361.6,    1344.1,    2170.7,       0.0);
    ( 399428.4, 3805379.4,    1345.1,    2170.7,       0.0);         ( 399463.8,
3805397.1,    1339.2,    2170.7,       0.0);
    ( 399499.2, 3805414.8,    1339.7,    2170.7,       0.0);         ( 399534.6,
3805432.5,    1347.0,    2170.7,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399853.3, 3805592.0, 1467.4, 2170.7, 0.0); (399888.7, 3805609.7, 1480.7, 2170.7, 0.0);
(399924.1, 3805627.4, 1492.9, 2170.7, 0.0); (399959.5, 3805645.1, 1506.2, 2170.7, 0.0);
(399994.9, 3805662.8, 1507.7, 2170.7, 0.0); (400030.3, 3805680.5, 1499.7, 2170.7, 0.0);
(400065.8, 3805698.3, 1490.1, 2170.7, 0.0); (400101.2, 3805716.0, 1475.9, 2170.7, 0.0);
(400136.6, 3805733.7, 1457.3, 2170.7, 0.0); (400172.0, 3805751.4, 1453.5, 2170.7, 0.0);
(400207.4, 3805769.1, 1457.6, 2170.7, 0.0); (400242.8, 3805786.8, 1455.9, 2170.7, 0.0);
(400278.2, 3805804.6, 1454.2, 2170.7, 0.0); (400313.6, 3805822.3, 1453.2, 2170.7, 0.0);
(400349.0, 3805840.0, 1440.5, 2170.7, 0.0); (400384.4, 3805857.7, 1435.6, 2170.7, 0.0);
(400419.8, 3805875.4, 1448.3, 2170.7, 0.0); (400455.2, 3805893.1, 1465.5, 2170.7, 0.0);
(400490.7, 3805910.9, 1474.3, 2170.7, 0.0); (400526.1, 3805928.6, 1489.0, 2170.7, 0.0);
(400561.5, 3805946.3, 1510.7, 2170.7, 0.0); (400596.9, 3805964.0, 1517.3, 2170.7, 0.0);
(400632.3, 3805981.7, 1518.5, 2170.7, 0.0); (400667.7, 3805999.4, 1517.2, 2170.7, 0.0);
(400703.1, 3806017.2, 1502.3, 2170.7, 0.0); (400738.5, 3806034.9, 1482.2, 2170.7, 0.0);
(400773.9, 3806052.6, 1459.2, 2170.7, 0.0); (398719.3, 3805026.8, 1523.6, 2170.7, 0.0);
(398682.2, 3805012.6, 1514.7, 2170.7, 0.0); (394406.6, 3816073.2,   903.8, 1440.1, 0.0);

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    ( 394405.8, 3816096.6,     905.5,    1440.1,       0.0);         ( 394397.9,
3816331.4,     906.9,    1440.1,       0.0);
    ( 394397.1, 3816354.8,     907.2,    1440.1,       0.0);         ( 394392.7,
3816052.3,     901.7,    1440.1,       0.0);
    ( 394426.6, 3816029.8,     900.3,    1440.1,       0.0);         ( 394381.6,
3816072.3,     903.4,    1440.1,       0.0);
    ( 394380.8, 3816095.8,     905.0,    1440.1,       0.0);         ( 394380.0,
3816119.3,     905.3,    1440.1,       0.0);
    ( 394379.2, 3816142.7,     905.5,    1440.1,       0.0);         ( 394378.4,
3816166.2,     905.6,    1440.1,       0.0);
    ( 394377.6, 3816189.7,     905.7,    1440.1,       0.0);         ( 394376.9,
3816213.2,     905.8,    1440.1,       0.0);
    ( 394376.1, 3816236.6,     905.9,    1440.1,       0.0);         ( 394375.3,
3816260.1,     905.9,    1440.1,       0.0);
    ( 394374.5, 3816283.6,     905.8,    1440.1,       0.0);         ( 394373.7,
3816307.0,     905.9,    1440.1,       0.0);
    ( 394372.9, 3816330.5,     906.1,    1440.1,       0.0);         ( 394372.1,
3816354.0,     906.4,    1440.1,       0.0);
    ( 394412.8, 3816009.0,     898.9,    1440.1,       0.0);         ( 394435.6,
3816006.5,     898.7,    1440.1,       0.0);
    ( 394355.8, 3816095.0,     904.3,    1440.1,       0.0);         ( 394355.0,
3816118.4,     904.4,    1440.1,       0.0);
    ( 394354.2, 3816141.9,     904.7,    1440.1,       0.0);         ( 394353.5,
3816165.4,     904.8,    1440.1,       0.0);
    ( 394352.7, 3816188.8,     904.9,    1440.1,       0.0);         ( 394351.9,
3816212.3,     905.0,    1440.1,       0.0);
    ( 394351.1, 3816235.8,     905.1,    1440.1,       0.0);         ( 394350.3,
3816259.3,     905.1,    1440.1,       0.0);
    ( 394349.5, 3816282.7,     905.2,    1440.1,       0.0);         ( 394348.7,
3816306.2,     905.3,    1440.1,       0.0);
    ( 394348.0, 3816329.7,     905.7,    1440.1,       0.0);         ( 394347.2,
3816353.2,     905.9,    1440.1,       0.0);
    ( 394421.8, 3815985.6,     895.5,    1440.1,       0.0);         ( 394444.5,
3815983.1,     895.5,    1440.1,       0.0);
    ( 394328.5, 3816164.5,     903.9,    1440.1,       0.0);         ( 394327.7,
3816188.0,     904.1,    1440.1,       0.0);
    ( 394326.9, 3816211.5,     904.2,    1440.1,       0.0);         ( 394326.1,
3816235.0,     904.3,    1440.1,       0.0);
    ( 394325.3, 3816258.4,     904.3,    1440.1,       0.0);         ( 394324.5,
3816281.9,     904.4,    1440.1,       0.0);
    ( 394323.8, 3816305.4,     904.6,    1440.1,       0.0);         ( 394323.0,
3816328.8,     905.0,    1440.1,       0.0);
    ( 394322.2, 3816352.3,     905.3,    1440.1,       0.0);         ( 394292.8,
3816049.0,     901.9,    1440.1,       0.0);
    ( 394304.0, 3816029.0,     901.8,    1440.1,       0.0);         ( 394315.1,
3816009.0,     900.5,    1440.1,       0.0);
    ( 394326.3, 3815989.0,     898.8,    1440.1,       0.0);         ( 394337.4,
3815969.0,     895.2,    1440.1,       0.0);
    ( 394371.3, 3815946.5,     890.2,    1440.1,       0.0);         ( 394439.6,
3815938.9,     891.2,    1440.1,       0.0);
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(394462.4, 3815936.4, 891.6, 1440.1, 0.0); (394281.6, 3816069.0, 901.8, 1440.1, 0.0);
(394280.8, 3816092.4, 901.9, 1440.1, 0.0); (394280.1, 3816115.9, 902.3, 1440.1, 0.0);
(394279.3, 3816139.4, 902.4, 1440.1, 0.0); (394278.5, 3816162.9, 902.5, 1440.1, 0.0);
(394277.7, 3816186.3, 902.7, 1440.1, 0.0); (394276.9, 3816209.8, 902.7, 1440.1, 0.0);
(394276.1, 3816233.3, 902.6, 1440.1, 0.0); (394275.3, 3816256.8, 902.7, 1440.1, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394274.6, 3816280.2, 903.0, 1440.1, 0.0); (394273.8, 3816303.7, 903.6, 1440.1, 0.0);
(394273.0, 3816327.2, 903.9, 1440.1, 0.0); (394272.2, 3816350.6, 904.3, 1440.1, 0.0);
(394366.4, 3815902.3, 889.3, 1440.1, 0.0); (394389.2, 3815899.8, 889.7, 1440.1, 0.0);
(394480.2, 3815889.7, 891.8, 1440.1, 0.0); (394228.5, 3816161.2, 900.8, 1440.1, 0.0);
(394227.7, 3816184.7, 901.0, 1440.1, 0.0); (394227.0, 3816208.1, 901.1, 1440.1, 0.0);
(394226.2, 3816231.6, 901.3, 1440.1, 0.0); (394225.4, 3816255.1, 901.8, 1440.1, 0.0);
(394224.6, 3816278.6, 902.4, 1440.1, 0.0); (394223.8, 3816302.0, 902.6, 1440.1, 0.0);
(394223.0, 3816325.5, 902.8, 1440.1, 0.0); (394222.2, 3816349.0, 902.9, 1440.1, 0.0);
(394192.8, 3816045.6, 899.0, 1440.1, 0.0); (394204.0, 3816025.6, 899.0, 1440.1, 0.0);
(394215.2, 3816005.7, 898.9, 1440.1, 0.0); (394226.3, 3815985.7, 898.5, 1440.1, 0.0);
(394237.5, 3815965.7, 897.2, 1440.1, 0.0); (394248.6, 3815945.7, 893.1, 1440.1, 0.0);
(394259.8, 3815925.7, 889.1, 1440.1, 0.0); (394271.0, 3815905.7, 887.9, 1440.1, 0.0);
(394282.1, 3815885.7, 888.1, 1440.1, 0.0); (394316.0, 3815863.2, 888.3, 1440.1, 0.0);
(394384.3, 3815855.6, 889.3, 1440.1, 0.0); (394407.1, 3815853.1, 890.1, 1440.1, 0.0);

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     ( 394429.8, 3815850.6,     890.4,    1440.1,       0.0);         ( 394498.1,
3815843.0,     892.4,    1440.1,       0.0);
     ( 394181.7, 3816065.6,     899.0,    1440.1,       0.0);         ( 394180.9,
3816089.1,     899.0,    1440.1,       0.0);
     ( 394180.1, 3816112.6,     898.9,    1440.1,       0.0);         ( 394179.3,
3816136.0,     899.1,    1440.1,       0.0);
     ( 394178.5, 3816159.5,     899.4,    1440.1,       0.0);         ( 394177.8,
3816183.0,     899.5,    1440.1,       0.0);
     ( 394177.0, 3816206.5,     899.9,    1440.1,       0.0);         ( 394176.2,
3816229.9,     900.5,    1440.1,       0.0);
     ( 394175.4, 3816253.4,     901.0,    1440.1,       0.0);         ( 394174.6,
3816276.9,     901.3,    1440.1,       0.0);
     ( 394173.8, 3816300.4,     901.2,    1440.1,       0.0);         ( 394173.0,
3816323.8,     901.3,    1440.1,       0.0);
     ( 394172.3, 3816347.3,     901.8,    1440.1,       0.0);         ( 394311.1,
3815819.0,     888.2,    1440.1,       0.0);
     ( 394333.9, 3815816.5,     888.5,    1440.1,       0.0);         ( 394402.2,
3815808.9,     890.1,    1440.1,       0.0);
     ( 394424.9, 3815806.4,     890.7,    1440.1,       0.0);         ( 394447.7,
3815803.9,     891.2,    1440.1,       0.0);
     ( 394515.9, 3815796.3,     892.4,    1440.1,       0.0);         ( 394128.6,
3816157.8,     898.1,    1440.1,       0.0);
     ( 394127.8, 3816181.3,     898.8,    1440.1,       0.0);         ( 394127.0,
3816204.8,     899.2,    1440.1,       0.0);
     ( 394126.2, 3816228.3,     899.5,    1440.1,       0.0);         ( 394125.4,
3816251.7,     899.8,    1440.1,       0.0);
     ( 394124.6, 3816275.2,     900.0,    1440.1,       0.0);         ( 394123.9,
3816298.7,     899.8,    1440.1,       0.0);
     ( 394123.1, 3816322.2,     900.2,    1440.1,       0.0);         ( 394122.3,
3816345.6,     900.9,    1440.1,       0.0);
     ( 394092.9, 3816042.3,     896.0,    1440.1,       0.0);         ( 394104.1,
3816022.3,     896.1,    1440.1,       0.0);
     ( 394115.2, 3816002.3,     896.3,    1440.1,       0.0);         ( 394126.4,
3815982.3,     896.3,    1440.1,       0.0);
     ( 394137.5, 3815962.3,     896.2,    1440.1,       0.0);         ( 394148.7,
3815942.3,     896.1,    1440.1,       0.0);
     ( 394159.9, 3815922.3,     895.9,    1440.1,       0.0);         ( 394171.0,
3815902.4,     894.5,    1440.1,       0.0);
     ( 394182.2, 3815882.4,     889.5,    1440.1,       0.0);         ( 394193.3,
3815862.4,     886.5,    1440.1,       0.0);
     ( 394204.5, 3815842.4,     886.3,    1440.1,       0.0);         ( 394215.6,
3815822.4,     886.0,    1440.1,       0.0);
     ( 394226.8, 3815802.4,     886.2,    1440.1,       0.0);         ( 394260.7,
3815779.9,     886.5,    1440.1,       0.0);
     ( 394329.0, 3815772.3,     888.1,    1440.1,       0.0);         ( 394351.8,
3815769.8,     888.3,    1440.1,       0.0);
     ( 394442.8, 3815759.7,     890.5,    1440.1,       0.0);         ( 394465.5,
3815757.2,     890.8,    1439.0,       0.0);
     ( 394081.8, 3816062.3,     895.9,    1440.1,       0.0);         ( 394081.0,
3816085.8,     896.3,    1440.1,       0.0);
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(394080.2, 3816109.2, 896.3, 1440.1, 0.0); (394079.4, 3816132.7, 896.6, 1440.1, 0.0);
(394078.6, 3816156.2, 897.3, 1440.1, 0.0); (394077.8, 3816179.6, 897.6, 1440.1, 0.0);
(394077.0, 3816203.1, 898.0, 1440.1, 0.0); (394076.2, 3816226.6, 898.2, 1440.1, 0.0);
(394075.5, 3816250.1, 898.2, 1440.1, 0.0); (394074.7, 3816273.5, 898.2, 1440.1, 0.0);
(394073.9, 3816297.0, 898.7, 1440.1, 0.0); (394073.1, 3816320.5, 899.6, 1440.1, 0.0);
(394072.3, 3816344.0, 900.8, 1440.1, 0.0); (393993.0, 3816038.9, 893.3, 1440.1, 0.0);

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

(394004.1, 3816019.0, 893.2, 1440.1, 0.0); (394015.3, 3815999.0, 893.1, 1440.1, 0.0);
(394026.4, 3815979.0, 893.3, 1440.1, 0.0); (394037.6, 3815959.0, 893.5, 1440.1, 0.0);
(394048.8, 3815939.0, 893.5, 1440.1, 0.0); (394059.9, 3815919.0, 893.3, 1440.1, 0.0);
(394071.1, 3815899.0, 893.0, 1440.1, 0.0); (394082.2, 3815879.0, 892.2, 1440.1, 0.0);
(394093.4, 3815859.0, 888.8, 1440.1, 0.0); (394104.5, 3815839.0, 884.5, 1440.1, 0.0);
(394115.7, 3815819.0, 884.2, 1440.1, 0.0); (394126.9, 3815799.0, 884.3, 1440.1, 0.0);
(394138.0, 3815779.1, 884.3, 1440.1, 0.0); (394149.2, 3815759.1, 884.2, 1440.1, 0.0);
(394160.3, 3815739.1, 884.3, 1440.1, 0.0); (394171.5, 3815719.1, 884.4, 1440.1, 0.0);
(394205.4, 3815696.6, 884.6, 1440.1, 0.0); (394273.7, 3815689.0, 885.7, 1440.1, 0.0);
(394296.4, 3815686.5, 886.1, 1440.1, 0.0); (394364.7, 3815678.9, 887.8, 1430.2, 0.0);
(394387.5, 3815676.4, 888.2, 1356.4, 0.0); (394410.2, 3815673.9, 889.2, 1356.4, 0.0);
(394546.8, 3815658.7, 897.2, 1356.4, 0.0); (394569.5, 3815656.2, 900.5, 1356.4, 0.0);
(393981.8, 3816058.9, 893.6, 1440.1, 0.0); (393981.0, 3816082.4, 894.1, 1440.1, 0.0);

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    ( 393980.2, 3816105.9,     894.3,    1440.1,       0.0);         ( 393979.4,
3816129.4,     894.6,    1440.1,       0.0);
    ( 393978.7, 3816152.8,     895.1,    1440.1,       0.0);         ( 393977.9,
3816176.3,     895.4,    1440.1,       0.0);
    ( 393977.1, 3816199.8,     895.3,    1440.1,       0.0);         ( 393976.3,
3816223.2,     895.2,    1440.1,       0.0);
    ( 393975.5, 3816246.7,     895.8,    1440.1,       0.0);         ( 393974.7,
3816270.2,     896.9,    1440.1,       0.0);
    ( 393973.9, 3816293.7,     898.2,    1440.1,       0.0);         ( 393973.2,
3816317.1,     899.7,    1440.1,       0.0);
    ( 393972.4, 3816340.6,     901.1,    1440.1,       0.0);         ( 393893.0,
3816035.6,     891.2,    1440.1,       0.0);
    ( 393904.2, 3816015.6,     891.1,    1440.1,       0.0);         ( 393915.3,
3815995.6,     891.2,    1440.1,       0.0);
    ( 393926.5, 3815975.6,     890.7,    1440.1,       0.0);         ( 393937.6,
3815955.6,     890.5,    1440.1,       0.0);
    ( 393948.8, 3815935.6,     890.6,    1440.1,       0.0);         ( 393960.0,
3815915.7,     891.1,    1440.1,       0.0);
    ( 393971.1, 3815895.7,     890.9,    1440.1,       0.0);         ( 393982.3,
3815875.7,     890.6,    1440.1,       0.0);
    ( 393993.5, 3815855.7,     890.6,    1440.1,       0.0);         ( 394004.6,
3815835.7,     889.1,    1440.1,       0.0);
    ( 394015.8, 3815815.7,     885.0,    1440.1,       0.0);         ( 394026.9,
3815795.7,     882.9,    1440.1,       0.0);
    ( 394038.1, 3815775.7,     882.6,    1440.1,       0.0);         ( 394049.2,
3815755.7,     882.6,    1440.1,       0.0);
    ( 394060.4, 3815735.7,     882.7,    1939.6,       0.0);         ( 394071.6,
3815715.7,     882.8,    1939.6,       0.0);
    ( 394082.7, 3815695.8,     882.8,    1939.6,       0.0);         ( 394093.9,
3815675.8,     882.7,    1939.6,       0.0);
    ( 394105.0, 3815655.8,     882.5,    1939.6,       0.0);         ( 394116.2,
3815635.8,     882.7,    1939.6,       0.0);
    ( 394150.1, 3815613.3,     883.6,    1939.6,       0.0);         ( 394172.9,
3815610.7,     884.1,    1939.6,       0.0);
    ( 394195.6, 3815608.2,     884.6,    1939.6,       0.0);         ( 394218.4,
3815605.7,     885.0,    1939.6,       0.0);
    ( 394241.1, 3815603.2,     885.4,    1939.6,       0.0);         ( 394309.4,
3815595.6,     887.7,    1939.6,       0.0);
    ( 394332.1, 3815593.1,     888.3,    1939.6,       0.0);         ( 394354.9,
3815590.5,     889.4,    1356.4,       0.0);
    ( 394537.0, 3815570.4,     897.0,    1356.4,       0.0);         ( 394559.7,
3815567.8,     897.9,    1356.4,       0.0);
    ( 394582.5, 3815565.3,     899.7,    1356.4,       0.0);         ( 394605.2,
3815562.8,     901.2,    1356.4,       0.0);
    ( 393881.9, 3816055.6,     891.2,    1440.1,       0.0);         ( 393881.1,
3816079.1,     891.7,    1440.1,       0.0);
    ( 393880.3, 3816102.5,     892.2,    1440.1,       0.0);         ( 393879.5,
3816126.0,     892.6,    1440.1,       0.0);
    ( 393878.7, 3816149.5,     892.6,    1440.1,       0.0);         ( 393877.9,
3816173.0,     892.6,    1440.1,       0.0);
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(393877.1, 3816196.4, 892.8, 1440.1, 0.0); (393876.4, 3816219.9, 893.2, 1440.1, 0.0);
(393875.6, 3816243.4, 893.8, 1440.1, 0.0); (393874.8, 3816266.8, 894.5, 1440.1, 0.0);
(393874.0, 3816290.3, 895.4, 1440.1, 0.0); (393873.2, 3816313.8, 896.5, 1440.1, 0.0);
(393872.4, 3816337.3, 897.9, 1440.1, 0.0); (394094.8, 3815529.9, 882.1, 1981.2, 0.0);
(394117.5, 3815527.4, 882.5, 1981.2, 0.0); (394140.3, 3815524.9, 883.1, 1981.2, 0.0);
(394163.1, 3815522.4, 883.8, 1939.6, 0.0); (394185.8, 3815519.8, 884.6, 1939.6, 0.0);
(394208.6, 3815517.3, 885.7, 1939.6, 0.0); (394231.3, 3815514.8, 886.8, 1939.6, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394254.1, 3815512.3, 888.0, 1939.6, 0.0); (394276.8, 3815509.8, 889.3, 1939.6, 0.0);
(394299.6, 3815507.2, 890.5, 1939.6, 0.0); (394504.4, 3815484.5, 904.5, 1356.4, 0.0);
(394527.1, 3815482.0, 905.7, 1356.4, 0.0); (394549.9, 3815479.5, 906.8, 1356.4, 0.0);
(394572.7, 3815477.0, 909.1, 1356.4, 0.0); (394595.4, 3815474.4, 910.1, 1356.4, 0.0);
(394618.2, 3815471.9, 908.9, 1356.4, 0.0); (394640.9, 3815469.4, 907.8, 1356.4, 0.0);
(393779.6, 3816122.7, 889.0, 1440.1, 0.0); (393778.8, 3816146.1, 889.5, 1440.1, 0.0);
(393778.0, 3816169.6, 890.0, 1440.1, 0.0); (393777.2, 3816193.1, 890.4, 1440.1, 0.0);
(393776.4, 3816216.6, 890.3, 1440.1, 0.0); (393775.6, 3816240.0, 890.7, 1440.1, 0.0);
(393774.8, 3816263.5, 891.3, 1440.1, 0.0); (393774.1, 3816287.0, 892.0, 1440.1, 0.0);
(393773.3, 3816310.4, 892.9, 1440.1, 0.0); (393772.5, 3816333.9, 894.3, 1440.1, 0.0);
(393693.1, 3816028.9, 885.7, 1440.1, 0.0); (393704.3, 3816008.9, 886.0, 1440.1, 0.0);
(393715.5, 3815988.9, 886.2, 1440.1, 0.0); (393726.6, 3815968.9, 886.5, 1440.1, 0.0);

```
     ( 393737.8, 3815948.9,     886.6,    1440.1,       0.0);         ( 393748.9,
3815929.0,     886.5,    1440.1,       0.0);
     ( 393760.1, 3815909.0,     886.2,    1440.1,       0.0);         ( 393771.2,
3815889.0,     886.0,    1440.1,       0.0);
     ( 393782.4, 3815869.0,     885.9,    1440.1,       0.0);         ( 393793.6,
3815849.0,     884.9,    1440.1,       0.0);
     ( 393804.7, 3815829.0,     885.6,    1440.1,       0.0);         ( 393815.9,
3815809.0,     885.8,    1440.1,       0.0);
     ( 393827.0, 3815789.0,     885.4,    1440.1,       0.0);         ( 393838.2,
3815769.0,     884.9,    1939.6,       0.0);
     ( 393849.3, 3815749.0,     883.6,    1939.6,       0.0);         ( 393860.5,
3815729.0,     880.0,    1939.6,       0.0);
     ( 393871.7, 3815709.0,     879.1,    1939.6,       0.0);         ( 393882.8,
3815689.1,     879.4,    1939.6,       0.0);
     ( 393894.0, 3815669.1,     879.3,    1939.6,       0.0);         ( 393905.1,
3815649.1,     879.4,    1939.6,       0.0);
     ( 393916.3, 3815629.1,     879.5,    1939.6,       0.0);         ( 393927.5,
3815609.1,     879.5,    1981.2,       0.0);
     ( 393938.6, 3815589.1,     879.5,    1981.2,       0.0);         ( 393949.8,
3815569.1,     879.6,    1981.2,       0.0);
     ( 393960.9, 3815549.1,     879.5,    1981.2,       0.0);         ( 393972.1,
3815529.1,     879.4,    1981.2,       0.0);
     ( 393983.3, 3815509.1,     879.4,    1981.2,       0.0);         ( 393994.4,
3815489.1,     879.5,    1981.2,       0.0);
     ( 394005.6, 3815469.1,     879.6,    1981.2,       0.0);         ( 394039.5,
3815446.6,     880.5,    1981.2,       0.0);
     ( 394062.2, 3815444.1,     880.9,    1981.2,       0.0);         ( 394153.3,
3815434.0,     883.6,    1981.2,       0.0);
     ( 394176.0, 3815431.5,     884.5,    1981.2,       0.0);         ( 394198.8,
3815429.0,     885.3,    1981.2,       0.0);
     ( 394221.5, 3815426.4,     886.2,    1981.2,       0.0);         ( 394244.3,
3815423.9,     887.8,    1981.2,       0.0);
     ( 394267.0, 3815421.4,     890.6,    1939.6,       0.0);         ( 394289.8,
3815418.9,     893.6,    1939.6,       0.0);
     ( 394312.6, 3815416.4,     896.5,    1939.6,       0.0);         ( 394335.3,
3815413.8,     899.5,    1939.6,       0.0);
     ( 394358.1, 3815411.3,     900.8,    1939.6,       0.0);         ( 394380.8,
3815408.8,     903.6,    1939.6,       0.0);
     ( 394403.6, 3815406.3,     904.8,    1937.2,       0.0);         ( 394426.3,
3815403.7,     903.7,    1939.6,       0.0);
     ( 394449.1, 3815401.2,     904.6,    1356.4,       0.0);         ( 394471.8,
3815398.7,     905.7,    1356.4,       0.0);
     ( 394494.6, 3815396.2,     906.1,    1356.4,       0.0);         ( 394517.4,
3815393.6,     907.4,    1356.4,       0.0);
     ( 394540.1, 3815391.1,     910.6,    1356.4,       0.0);         ( 394562.9,
3815388.6,     914.5,    1356.4,       0.0);
     ( 394585.6, 3815386.1,     916.9,    1356.4,       0.0);         ( 394608.4,
3815383.5,     917.0,    1356.4,       0.0);
     ( 394631.1, 3815381.0,     922.8,    1356.4,       0.0);         ( 394653.9,
3815378.5,     929.7,    1356.4,       0.0);
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(394676.6, 3815376.0, 930.8, 1356.4, 0.0); (393682.0, 3816048.9, 885.8, 1440.1, 0.0);
(393681.2, 3816072.4, 886.2, 1440.1, 0.0); (393680.4, 3816095.8, 886.6, 1440.1, 0.0);
(393679.6, 3816119.3, 887.3, 1440.1, 0.0); (393678.8, 3816142.8, 887.4, 1440.1, 0.0);
(393678.0, 3816166.3, 887.2, 1440.1, 0.0); (393677.2, 3816189.7, 887.1, 1440.1, 0.0);
(393676.5, 3816213.2, 887.4, 1440.1, 0.0); (393675.7, 3816236.7, 887.8, 1440.1, 0.0);
(393674.9, 3816260.2, 888.6, 1440.1, 0.0); (393674.1, 3816283.6, 889.6, 1440.1, 0.0);
(393673.3, 3816307.1, 890.6, 1440.1, 0.0); (393672.5, 3816330.6, 892.0, 1440.1, 0.0);
(393593.2, 3816025.6, 883.9, 1440.1, 0.0); (393604.3, 3816005.6, 883.8, 1440.1, 0.0);

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

(393615.5, 3815985.6, 883.1, 1440.1, 0.0); (393626.7, 3815965.6, 882.5, 1440.1, 0.0);
(393637.8, 3815945.6, 882.7, 1440.1, 0.0); (393649.0, 3815925.6, 883.5, 1440.1, 0.0);
(393660.1, 3815905.6, 884.0, 1440.1, 0.0); (393671.3, 3815885.6, 884.0, 1440.1, 0.0);
(393682.5, 3815865.6, 883.8, 1440.1, 0.0); (393693.6, 3815845.6, 883.6, 1440.1, 0.0);
(393704.8, 3815825.6, 883.8, 1937.2, 0.0); (393715.9, 3815805.7, 883.8, 1939.6, 0.0);
(393727.1, 3815785.7, 883.0, 1939.6, 0.0); (393738.2, 3815765.7, 882.1, 1939.6, 0.0);
(393749.4, 3815745.7, 882.7, 1939.6, 0.0); (393760.6, 3815725.7, 882.5, 1939.6, 0.0);
(393771.7, 3815705.7, 880.5, 1939.6, 0.0); (393782.9, 3815685.7, 878.6, 1939.6, 0.0);
(393794.0, 3815665.7, 877.8, 1939.6, 0.0); (393805.2, 3815645.7, 877.7, 1981.2, 0.0);
(393816.4, 3815625.7, 877.7, 1981.2, 0.0); (393827.5, 3815605.7, 877.7, 1981.2, 0.0);
(393838.7, 3815585.8, 877.7, 1981.2, 0.0); (393849.8, 3815565.8, 877.6, 1981.2, 0.0);

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    ( 393861.0, 3815545.8,     877.6,    1981.2,       0.0);         ( 393872.1,
3815525.8,     877.5,    1981.2,       0.0);
    ( 393883.3, 3815505.8,     877.5,    1981.2,       0.0);         ( 393894.5,
3815485.8,     877.4,    1981.2,       0.0);
    ( 393905.6, 3815465.8,     877.5,    1985.1,       0.0);         ( 393916.8,
3815445.8,     877.4,    1989.0,       0.0);
    ( 393928.0, 3815425.8,     877.6,    1990.0,       0.0);         ( 393939.1,
3815405.8,     877.6,    1990.0,       0.0);
    ( 393950.3, 3815385.8,     877.8,    1990.0,       0.0);         ( 393984.2,
3815363.3,     878.1,    1990.0,       0.0);
    ( 394006.9, 3815360.8,     878.9,    1990.0,       0.0);         ( 394029.7,
3815358.3,     879.9,    1990.0,       0.0);
    ( 394052.5, 3815355.8,     881.3,    1990.0,       0.0);         ( 394075.2,
3815353.2,     882.8,    1990.0,       0.0);
    ( 394098.0, 3815350.7,     884.3,    1989.0,       0.0);         ( 394120.7,
3815348.2,     885.2,    1981.2,       0.0);
    ( 394189.0, 3815340.6,     889.8,    1981.2,       0.0);         ( 394211.7,
3815338.1,     890.9,    1981.2,       0.0);
    ( 394234.5, 3815335.6,     892.1,    1981.2,       0.0);         ( 394257.2,
3815333.0,     893.9,    1981.2,       0.0);
    ( 394280.0, 3815330.5,     896.1,    1981.2,       0.0);         ( 394302.8,
3815328.0,     898.1,    1981.2,       0.0);
    ( 394325.5, 3815325.5,     899.7,    1939.6,       0.0);         ( 394348.3,
3815322.9,     901.4,    1939.6,       0.0);
    ( 394371.0, 3815320.4,     902.8,    1939.6,       0.0);         ( 394393.8,
3815317.9,     904.3,    1939.6,       0.0);
    ( 394416.5, 3815315.4,     906.3,    1939.6,       0.0);         ( 394439.3,
3815312.9,     908.8,    1939.6,       0.0);
    ( 394462.0, 3815310.3,     911.4,    1939.6,       0.0);         ( 394484.8,
3815307.8,     913.5,    1356.4,       0.0);
    ( 394507.6, 3815305.3,     914.9,    1356.4,       0.0);         ( 394530.3,
3815302.8,     917.6,    1356.4,       0.0);
    ( 394553.1, 3815300.2,     917.5,    1356.4,       0.0);         ( 394575.8,
3815297.7,     918.8,    1356.4,       0.0);
    ( 394598.6, 3815295.2,     918.2,    1356.4,       0.0);         ( 394621.3,
3815292.7,     917.8,    1356.4,       0.0);
    ( 394644.1, 3815290.1,     920.0,    1356.4,       0.0);         ( 394666.8,
3815287.6,     924.6,    1356.4,       0.0);
    ( 394689.6, 3815285.1,     928.8,    1356.4,       0.0);         ( 394712.4,
3815282.6,     930.6,    1356.4,       0.0);
    ( 393582.0, 3816045.6,     883.6,    1440.1,       0.0);         ( 393581.2,
3816069.0,     883.7,    1440.1,       0.0);
    ( 393580.5, 3816092.5,     883.9,    1440.1,       0.0);         ( 393579.7,
3816116.0,     884.0,    1440.1,       0.0);
    ( 393578.9, 3816139.4,     884.0,    1440.1,       0.0);         ( 393578.1,
3816162.9,     884.1,    1440.1,       0.0);
    ( 393577.3, 3816186.4,     884.6,    1440.1,       0.0);         ( 393576.5,
3816209.9,     885.1,    1440.1,       0.0);
    ( 393575.7, 3816233.3,     885.7,    1440.1,       0.0);         ( 393575.0,
3816256.8,     886.5,    1440.1,       0.0);
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    ( 393743.2, 3815300.8,     873.6,    1990.0,       0.0);         ( 393754.6,
3815280.3,     876.9,    1990.0,       0.0);
    ( 393766.1, 3815259.8,     883.6,    1990.0,       0.0);         ( 393777.5,
3815239.4,     889.5,    1990.0,       0.0);
    ( 393788.9, 3815218.9,     893.6,    1990.0,       0.0);         ( 393800.3,
3815198.5,     901.0,    1990.0,       0.0);
    ( 393811.7, 3815178.0,     903.9,    1990.0,       0.0);         ( 393846.4,
3815155.0,     906.9,    1990.0,       0.0);
    ( 393869.7, 3815152.4,     912.3,    1981.2,       0.0);         ( 393893.0,
3815149.8,     917.3,    1981.2,       0.0);
    ( 393916.3, 3815147.2,     924.7,    1981.2,       0.0);         ( 393939.6,
3815144.7,     933.2,    1939.6,       0.0);
    ( 393962.9, 3815142.1,     939.7,    1939.6,       0.0);         ( 394056.0,
3815131.8,     944.2,    1356.4,       0.0);
    ( 394079.3, 3815129.2,     945.1,    1356.4,       0.0);         ( 394102.6,
3815126.6,     947.3,    1356.4,       0.0);
    ( 394125.9, 3815124.0,     950.2,    1356.4,       0.0);         ( 394149.1,
3815121.4,     952.1,    1356.4,       0.0);
    ( 394172.4, 3815118.8,     948.0,    1356.4,       0.0);         ( 394195.7,
3815116.2,     942.1,    1356.4,       0.0);
    ( 394219.0, 3815113.7,     937.0,    1939.6,       0.0);         ( 394242.3,
3815111.1,     931.7,    1939.6,       0.0);
    ( 394265.6, 3815108.5,     928.1,    1939.6,       0.0);         ( 394288.8,
3815105.9,     926.0,    1939.6,       0.0);
    ( 394312.1, 3815103.3,     925.6,    1939.6,       0.0);         ( 394335.4,
3815100.8,     926.4,    1939.6,       0.0);
    ( 394358.7, 3815098.2,     927.9,    1939.6,       0.0);         ( 394382.0,
3815095.6,     930.4,    1939.6,       0.0);
    ( 394405.3, 3815093.0,     933.7,    1939.6,       0.0);         ( 394428.6,
3815090.4,     935.1,    1356.4,       0.0);
    ( 394451.8, 3815087.8,     935.0,    1356.4,       0.0);         ( 394475.1,
3815085.3,     935.9,    1356.4,       0.0);
    ( 394498.4, 3815082.7,     935.6,    1356.4,       0.0);         ( 394521.7,
3815080.1,     937.1,    1356.4,       0.0);
    ( 394545.0, 3815077.5,     940.9,    1356.4,       0.0);         ( 394568.3,
3815074.9,     941.4,    1356.4,       0.0);
    ( 394591.5, 3815072.4,     942.4,    1356.4,       0.0);         ( 394614.8,
3815069.8,     948.4,    1356.4,       0.0);
    ( 394638.1, 3815067.2,     957.1,    1356.4,       0.0);         ( 394661.4,
3815064.6,     964.6,    1356.4,       0.0);
    ( 394684.7, 3815062.0,     969.7,    1356.4,       0.0);         ( 394708.0,
3815059.4,     971.9,    1356.4,       0.0);
    ( 394731.3, 3815056.9,     969.5,    1356.4,       0.0);         ( 394754.5,
3815054.3,     963.9,    1356.4,       0.0);
    ( 394777.8, 3815051.7,     957.4,    1356.4,       0.0);         ( 394801.1,
3815049.1,     951.1,    1356.4,       0.0);
    ( 393332.2, 3816037.2,     878.1,    1440.1,       0.0);         ( 393331.4,
3816060.7,     879.2,    1440.1,       0.0);
    ( 393330.6, 3816084.1,     880.0,    1440.1,       0.0);         ( 393329.8,
3816107.6,     881.0,    1440.1,       0.0);
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(393329.0, 3816131.1, 882.5, 1440.1, 0.0); (393328.2, 3816154.6, 883.5, 1440.1, 0.0);
(393327.5, 3816178.0, 884.3, 1440.1, 0.0); (393326.7, 3816201.5, 885.0, 1440.1, 0.0);
(393325.9, 3816225.0, 886.0, 1440.1, 0.0); (393325.1, 3816248.4, 886.8, 1440.1, 0.0);
(393324.3, 3816271.9, 887.6, 1440.1, 0.0); (393323.5, 3816295.4, 888.4, 1440.1, 0.0);
(393322.7, 3816318.9, 889.2, 1440.1, 0.0); (393093.7, 3816008.5, 877.7, 1939.6, 0.0);
(393105.0, 3815988.1, 877.8, 1939.6, 0.0); (393116.4, 3815967.7, 877.5, 1939.6, 0.0);
(393127.8, 3815947.3, 877.2, 1939.6, 0.0); (393139.1, 3815927.0, 876.3, 1939.6, 0.0);
(393150.5, 3815906.6, 875.5, 1939.6, 0.0); (393161.9, 3815886.2, 874.8, 1939.6, 0.0);
(393173.3, 3815865.9, 873.8, 1939.6, 0.0); (393184.6, 3815845.5, 873.1, 1939.6, 0.0);
(393196.0, 3815825.1, 872.3, 1981.2, 0.0); (393207.4, 3815804.8, 871.6, 1981.2, 0.0);

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

(393218.7, 3815784.4, 870.4, 1981.2, 0.0); (393230.1, 3815764.0, 869.1, 1981.2, 0.0);
(393241.5, 3815743.7, 868.4, 1981.2, 0.0); (393252.8, 3815723.3, 869.1, 1981.2, 0.0);
(393264.2, 3815702.9, 868.4, 1981.2, 0.0); (393275.6, 3815682.6, 869.4, 1981.2, 0.0);
(393287.0, 3815662.2, 871.1, 1981.2, 0.0); (393298.3, 3815641.8, 872.3, 1981.2, 0.0);
(393309.7, 3815621.4, 872.7, 1985.1, 0.0); (393321.1, 3815601.1, 873.1, 1989.0, 0.0);
(393332.4, 3815580.7, 873.6, 1990.0, 0.0); (393343.8, 3815560.3, 873.5, 1990.0, 0.0);
(393355.2, 3815540.0, 873.1, 1990.0, 0.0); (393366.5, 3815519.6, 872.5, 1990.0, 0.0);
(393377.9, 3815499.2, 872.3, 1990.0, 0.0); (393389.3, 3815478.9, 872.4, 1990.0, 0.0);
(393400.6, 3815458.5, 872.7, 1990.0, 0.0); (393412.0, 3815438.1, 871.9, 1990.0, 0.0);

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     ( 393423.4, 3815417.8,     870.8,    1990.0,       0.0);         ( 393434.8,
3815397.4,     870.3,    1990.0,       0.0);
     ( 393446.1, 3815377.0,     870.0,    1990.0,       0.0);         ( 393457.5,
3815356.7,     869.9,    1990.0,       0.0);
     ( 393468.9, 3815336.3,     869.9,    1990.0,       0.0);         ( 393480.2,
3815315.9,     869.8,    1990.0,       0.0);
     ( 393491.6, 3815295.5,     870.0,    1990.0,       0.0);         ( 393503.0,
3815275.2,     870.0,    1990.0,       0.0);
     ( 393514.3, 3815254.8,     869.9,    1990.0,       0.0);         ( 393525.7,
3815234.4,     869.5,    1990.0,       0.0);
     ( 393537.1, 3815214.1,     869.9,    1990.0,       0.0);         ( 393548.5,
3815193.7,     872.3,    1990.0,       0.0);
     ( 393559.8, 3815173.3,     874.0,    1990.0,       0.0);         ( 393571.2,
3815153.0,     873.5,    1990.0,       0.0);
     ( 393582.6, 3815132.6,     873.5,    1990.0,       0.0);         ( 393593.9,
3815112.2,     874.4,    1990.0,       0.0);
     ( 393605.3, 3815091.9,     875.2,    1990.0,       0.0);         ( 393616.7,
3815071.5,     876.1,    1990.0,       0.0);
     ( 393628.0, 3815051.1,     877.1,    1990.0,       0.0);         ( 393639.4,
3815030.8,     877.8,    1990.0,       0.0);
     ( 393650.8, 3815010.4,     878.8,    1990.0,       0.0);         ( 393662.1,
3814990.0,     879.0,    1990.0,       0.0);
     ( 393673.5, 3814969.6,     881.0,    1990.0,       0.0);         ( 393708.1,
3814946.7,     885.3,    1990.0,       0.0);
     ( 393731.2, 3814944.1,     887.3,    1990.0,       0.0);         ( 393754.4,
3814941.6,     889.4,    1990.0,       0.0);
     ( 393777.6, 3814939.0,     890.8,    1990.0,       0.0);         ( 393800.8,
3814936.4,     892.6,    1990.0,       0.0);
     ( 393824.0, 3814933.9,     894.5,    1990.0,       0.0);         ( 393893.5,
3814926.1,     900.9,    1990.0,       0.0);
     ( 393916.7, 3814923.6,     905.0,    1990.0,       0.0);         ( 393939.9,
3814921.0,     907.7,    1990.0,       0.0);
     ( 393963.1, 3814918.4,     909.5,    1990.0,       0.0);         ( 393986.3,
3814915.9,     910.0,    1990.0,       0.0);
     ( 394009.5, 3814913.3,     912.7,    1990.0,       0.0);         ( 394032.7,
3814910.7,     919.4,    1990.0,       0.0);
     ( 394055.8, 3814908.1,     927.0,    1990.0,       0.0);         ( 394079.0,
3814905.6,     934.8,    1981.2,       0.0);
     ( 394102.2, 3814903.0,     941.0,    1981.2,       0.0);         ( 394125.4,
3814900.4,     944.5,    1939.6,       0.0);
     ( 394148.6, 3814897.9,     948.7,    1939.6,       0.0);         ( 394171.8,
3814895.3,     953.7,    1939.6,       0.0);
     ( 394195.0, 3814892.7,     957.4,    1939.6,       0.0);         ( 394218.1,
3814890.1,     957.6,    1939.6,       0.0);
     ( 394241.3, 3814887.6,     965.3,    1356.4,       0.0);         ( 394264.5,
3814885.0,     979.6,    1356.4,       0.0);
     ( 394287.7, 3814882.4,     993.8,    1356.4,       0.0);         ( 394310.9,
3814879.9,    1007.6,    1356.4,       0.0);
     ( 394334.1, 3814877.3,    1021.8,    1356.4,       0.0);         ( 394357.2,
3814874.7,    1034.5,    1356.4,       0.0);
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(394380.4, 3814872.2, 1040.8, 1356.4, 0.0); (394403.6, 3814869.6, 1038.7, 1356.4, 0.0);
(394426.8, 3814867.0, 1040.0, 1356.4, 0.0); (394450.0, 3814864.4, 1046.3, 1356.4, 0.0);
(394473.2, 3814861.9, 1040.0, 1356.4, 0.0); (394496.3, 3814859.3, 1030.4, 1356.4, 0.0);
(394519.5, 3814856.7, 1024.5, 1356.4, 0.0); (394542.7, 3814854.2, 1024.2, 1356.4, 0.0);
(394565.9, 3814851.6, 1026.7, 1356.4, 0.0); (394589.1, 3814849.0, 1030.7, 1356.4, 0.0);
(394612.3, 3814846.4, 1033.2, 1356.4, 0.0); (394635.5, 3814843.9, 1030.8, 1356.4, 0.0);
(394658.6, 3814841.3, 1022.8, 1356.4, 0.0); (394681.8, 3814838.7, 1012.3, 1356.4, 0.0);
(394705.0, 3814836.2, 1002.1, 1356.4, 0.0); (394728.2, 3814833.6,   992.9, 1356.4, 0.0);
(394751.4, 3814831.0,   988.4, 1356.4, 0.0); (394774.6, 3814828.4,   992.0, 1356.4, 0.0);
(394797.8, 3814825.9,   992.3, 1356.4, 0.0); (394820.9, 3814823.3,   989.6, 1356.4, 0.0);
(394844.1, 3814820.7,   984.1, 1356.4, 0.0); (394867.3, 3814818.2,   980.8, 1356.4, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394890.5, 3814815.6,   982.1, 1356.4, 0.0); (393082.3, 3816028.8,   876.4, 1939.6, 0.0);
(393081.5, 3816052.3,   875.9, 1440.1, 0.0); (393080.7, 3816075.8,   876.2, 1440.1, 0.0);
(393080.0, 3816099.2,   878.8, 1440.1, 0.0); (393079.2, 3816122.7,   878.4, 1440.1, 0.0);
(393078.4, 3816146.2,   878.3, 1440.1, 0.0); (393077.6, 3816169.7,   878.9, 1440.1, 0.0);
(393076.8, 3816193.1,   879.7, 1440.1, 0.0); (393076.0, 3816216.6,   880.4, 1440.1, 0.0);
(393075.2, 3816240.1,   881.1, 1440.1, 0.0); (393074.5, 3816263.5,   881.7, 1440.1, 0.0);
(393073.7, 3816287.0,   882.1, 1440.1, 0.0); (393072.9, 3816310.5,   883.0, 1440.1, 0.0);
(392843.8, 3816000.1,   876.1, 1939.6, 0.0); (392855.1, 3815979.8,   875.4, 1939.6, 0.0);

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     ( 392866.5, 3815959.5,     874.5,    1939.6,       0.0);         ( 392877.8,
3815939.2,     873.9,    1939.6,       0.0);
     ( 392889.1, 3815918.9,     872.3,    1939.6,       0.0);         ( 392900.5,
3815898.6,     870.5,    1958.8,       0.0);
     ( 392911.8, 3815878.3,     869.7,    1981.2,       0.0);         ( 392923.1,
3815858.0,     869.2,    1981.2,       0.0);
     ( 392934.5, 3815837.7,     868.5,    1981.2,       0.0);         ( 392945.8,
3815817.4,     867.9,    1981.2,       0.0);
     ( 392957.1, 3815797.1,     867.5,    1981.2,       0.0);         ( 392968.5,
3815776.8,     867.2,    1981.2,       0.0);
     ( 392979.8, 3815756.4,     867.3,    1981.2,       0.0);         ( 392991.1,
3815736.1,     868.7,    1981.2,       0.0);
     ( 393002.5, 3815715.8,     868.1,    1982.9,       0.0);         ( 393013.8,
3815695.5,     867.3,    1989.0,       0.0);
     ( 393025.2, 3815675.2,     864.9,    1990.0,       0.0);         ( 393036.5,
3815654.9,     863.8,    1990.0,       0.0);
     ( 393047.8, 3815634.6,     863.4,    1990.0,       0.0);         ( 393059.2,
3815614.3,     862.4,    1990.0,       0.0);
     ( 393070.5, 3815594.0,     862.1,    1990.0,       0.0);         ( 393081.8,
3815573.7,     862.5,    1990.0,       0.0);
     ( 393093.2, 3815553.4,     865.5,    1990.0,       0.0);         ( 393104.5,
3815533.0,     866.8,    1990.0,       0.0);
     ( 393115.8, 3815512.7,     866.6,    1990.0,       0.0);         ( 393127.2,
3815492.4,     867.0,    1990.0,       0.0);
     ( 393138.5, 3815472.1,     867.2,    1990.0,       0.0);         ( 393149.8,
3815451.8,     866.9,    1990.0,       0.0);
     ( 393161.2, 3815431.5,     867.4,    1990.0,       0.0);         ( 393172.5,
3815411.2,     867.0,    1990.0,       0.0);
     ( 393183.9, 3815390.9,     866.8,    1990.0,       0.0);         ( 393195.2,
3815370.6,     866.9,    1990.0,       0.0);
     ( 393206.5, 3815350.3,     867.0,    1990.0,       0.0);         ( 393217.9,
3815330.0,     866.3,    1990.0,       0.0);
     ( 393229.2, 3815309.6,     866.0,    1990.0,       0.0);         ( 393240.5,
3815289.3,     866.6,    1990.0,       0.0);
     ( 393251.9, 3815269.0,     866.1,    1990.0,       0.0);         ( 393263.2,
3815248.7,     866.0,    1990.0,       0.0);
     ( 393274.5, 3815228.4,     865.9,    1990.0,       0.0);         ( 393285.9,
3815208.1,     865.6,    1990.0,       0.0);
     ( 393297.2, 3815187.8,     865.8,    1990.0,       0.0);         ( 393308.6,
3815167.5,     865.8,    1990.0,       0.0);
     ( 393319.9, 3815147.2,     866.0,    1990.0,       0.0);         ( 393331.2,
3815126.9,     866.3,    1990.0,       0.0);
     ( 393342.6, 3815106.6,     866.8,    1990.0,       0.0);         ( 393353.9,
3815086.2,     867.3,    1990.0,       0.0);
     ( 393365.2, 3815065.9,     867.5,    1990.0,       0.0);         ( 393376.6,
3815045.6,     867.9,    1990.0,       0.0);
     ( 393387.9, 3815025.3,     868.0,    1990.0,       0.0);         ( 393399.2,
3815005.0,     868.2,    1990.0,       0.0);
     ( 393410.6, 3814984.7,     868.5,    1990.0,       0.0);         ( 393421.9,
3814964.4,     868.7,    1990.0,       0.0);
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(393433.2, 3814944.1, 870.1, 1990.0, 0.0); (393444.6, 3814923.8, 871.4, 1990.0, 0.0);
(393455.9, 3814903.5, 871.7, 1990.0, 0.0); (393467.3, 3814883.2, 871.2, 1990.0, 0.0);
(393478.6, 3814862.9, 870.7, 1990.0, 0.0); (393489.9, 3814842.5, 870.7, 1990.0, 0.0);
(393501.3, 3814822.2, 871.9, 1990.0, 0.0); (393512.6, 3814801.9, 874.1, 1990.0, 0.0);
(393523.9, 3814781.6, 875.4, 1990.0, 0.0); (393535.3, 3814761.3, 875.8, 1990.0, 0.0);
(393569.7, 3814738.4, 875.5, 1990.0, 0.0); (393592.8, 3814735.9, 877.2, 1990.0, 0.0);
(393616.0, 3814733.3, 880.0, 1990.0, 0.0); (393639.1, 3814730.8, 884.0, 1990.0, 0.0);
(393662.2, 3814728.2, 891.4, 1990.0, 0.0); (393685.3, 3814725.6, 899.7, 1990.0, 0.0);
(393800.9, 3814712.8, 915.5, 1990.0, 0.0); (393824.0, 3814710.2, 909.2, 1990.0, 0.0);
(393847.1, 3814707.7, 906.7, 1990.0, 0.0); (393870.2, 3814705.1, 910.0, 1990.0, 0.0);
(393893.4, 3814702.5, 917.8, 1990.0, 0.0); (393916.5, 3814700.0, 923.8, 1990.0, 0.0);
(393939.6, 3814697.4, 923.4, 1990.0, 0.0); (393962.7, 3814694.9, 922.6, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(393985.8, 3814692.3, 922.5, 1990.0, 0.0); (394008.9, 3814689.7, 922.8, 1990.0, 0.0);
(394032.1, 3814687.2, 929.0, 1990.0, 0.0); (394055.2, 3814684.6, 938.3, 1990.0, 0.0);
(394078.3, 3814682.0, 945.4, 1990.0, 0.0); (394101.4, 3814679.5, 948.6, 1989.0, 0.0);
(394124.5, 3814676.9, 947.5, 1990.0, 0.0); (394147.6, 3814674.4, 944.3, 1990.0, 0.0);
(394170.8, 3814671.8, 945.2, 1990.0, 0.0); (394193.9, 3814669.2, 947.2, 1990.0, 0.0);
(394217.0, 3814666.7, 948.8, 1981.2, 0.0); (394240.1, 3814664.1, 960.1, 1981.2, 0.0);
(394263.2, 3814661.5, 968.6, 1939.6, 0.0); (394286.3, 3814659.0, 976.9, 1939.6, 0.0);

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     ( 394309.5, 3814656.4,     984.2,    1356.4,       0.0);         ( 394332.6,
3814653.8,     988.7,    1356.4,       0.0);
     ( 394355.7, 3814651.3,     991.4,    1356.4,       0.0);         ( 394378.8,
3814648.7,     994.1,    1356.4,       0.0);
     ( 394401.9, 3814646.2,     994.2,    1356.4,       0.0);         ( 394425.0,
3814643.6,     989.1,    1356.4,       0.0);
     ( 394448.2, 3814641.0,     982.9,    1356.4,       0.0);         ( 394471.3,
3814638.5,     974.9,    1937.2,       0.0);
     ( 394494.4, 3814635.9,     978.9,    1356.4,       0.0);         ( 394517.5,
3814633.3,     977.1,    1356.4,       0.0);
     ( 394540.6, 3814630.8,     975.9,    1356.4,       0.0);         ( 394563.8,
3814628.2,     976.2,    1356.4,       0.0);
     ( 394586.9, 3814625.6,     979.2,    1356.4,       0.0);         ( 394610.0,
3814623.1,     985.1,    1356.4,       0.0);
     ( 394633.1, 3814620.5,     992.0,    1356.4,       0.0);         ( 394656.2,
3814618.0,     997.2,    1356.4,       0.0);
     ( 394679.3, 3814615.4,    1001.2,    1356.4,       0.0);         ( 394702.5,
3814612.8,    1004.0,    1356.4,       0.0);
     ( 394725.6, 3814610.3,    1010.0,    1356.4,       0.0);         ( 394748.7,
3814607.7,    1016.2,    1356.4,       0.0);
     ( 394771.8, 3814605.1,    1023.7,    1356.4,       0.0);         ( 394794.9,
3814602.6,    1030.1,    1356.4,       0.0);
     ( 394818.0, 3814600.0,    1033.9,    1356.4,       0.0);         ( 394841.1,
3814597.5,    1037.3,    1356.4,       0.0);
     ( 394864.3, 3814594.9,    1042.6,    1356.4,       0.0);         ( 394887.4,
3814592.3,    1048.1,    1356.4,       0.0);
     ( 394910.5, 3814589.8,    1051.4,    1356.4,       0.0);         ( 394933.6,
3814587.2,    1059.1,    1356.4,       0.0);
     ( 394956.7, 3814584.6,    1066.0,    1356.4,       0.0);         ( 394979.8,
3814582.1,    1075.9,    1356.4,       0.0);
     ( 392832.5, 3816020.5,     877.2,    1939.6,       0.0);         ( 392831.7,
3816043.9,     878.6,    1939.6,       0.0);
     ( 392830.9, 3816067.4,     879.9,    1440.1,       0.0);         ( 392830.1,
3816090.9,     881.3,    1440.1,       0.0);
     ( 392829.3, 3816114.3,     882.7,    1440.1,       0.0);         ( 392828.5,
3816137.8,     883.9,    1440.1,       0.0);
     ( 392827.7, 3816161.3,     885.0,    1440.1,       0.0);         ( 392827.0,
3816184.8,     887.1,    1440.1,       0.0);
     ( 392826.2, 3816208.2,     888.6,    1440.1,       0.0);         ( 392825.4,
3816231.7,     889.1,    1440.1,       0.0);
     ( 392824.6, 3816255.2,     890.3,    1440.1,       0.0);         ( 392823.8,
3816278.7,     891.6,    1440.1,       0.0);
     ( 392823.0, 3816302.1,     892.8,    1440.1,       0.0);         ( 392593.9,
3815991.8,     878.1,    1939.6,       0.0);
     ( 392605.2, 3815971.6,     876.7,    1939.6,       0.0);         ( 392616.5,
3815951.3,     875.3,    1939.6,       0.0);
     ( 392627.8, 3815931.0,     874.0,    1939.6,       0.0);         ( 392639.1,
3815910.8,     872.7,    1958.8,       0.0);
     ( 392650.5, 3815890.5,     871.7,    1981.2,       0.0);         ( 392661.8,
3815870.2,     870.4,    1981.2,       0.0);
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(392673.1, 3815850.0, 869.0, 1981.2, 0.0); (392684.4, 3815829.7, 867.9, 1981.2, 0.0);
(392695.7, 3815809.4, 867.4, 1981.2, 0.0); (392707.0, 3815789.2, 866.8, 1981.2, 0.0);
(392718.3, 3815768.9, 866.4, 1981.2, 0.0); (392729.6, 3815748.6, 866.6, 1987.3, 0.0);
(392741.0, 3815728.4, 866.0, 1989.0, 0.0); (392752.3, 3815708.1, 865.3, 1990.0, 0.0);
(392763.6, 3815687.8, 864.9, 1990.0, 0.0); (392774.9, 3815667.6, 864.7, 1990.0, 0.0);
(392786.2, 3815647.3, 863.3, 1990.0, 0.0); (392797.5, 3815627.1, 861.9, 1990.0, 0.0);
(392808.8, 3815606.8, 861.9, 1990.0, 0.0); (392820.1, 3815586.5, 862.2, 1990.0, 0.0);
(392831.4, 3815566.3, 861.8, 1990.0, 0.0); (392842.8, 3815546.0, 860.8, 1990.0, 0.0);
(392854.1, 3815525.7, 860.5, 1990.0, 0.0); (392865.4, 3815505.5, 859.9, 1990.0, 0.0);
(392876.7, 3815485.2, 859.7, 1990.0, 0.0); (392888.0, 3815464.9, 859.4, 1990.0, 0.0);
(392899.3, 3815444.7, 859.1, 1990.0, 0.0); (392910.6, 3815424.4, 858.8, 1990.0, 0.0);
(392921.9, 3815404.1, 858.8, 1990.0, 0.0); (392933.2, 3815383.9, 859.1, 1990.0, 0.0);
(392944.6, 3815363.6, 859.8, 1990.0, 0.0); (392955.9, 3815343.3, 860.5, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(392967.2, 3815323.1, 860.9, 1990.0, 0.0); (392978.5, 3815302.8, 860.6, 1990.0, 0.0);
(392989.8, 3815282.5, 860.4, 1990.0, 0.0); (393001.1, 3815262.3, 860.7, 1990.0, 0.0);
(393012.4, 3815242.0, 861.4, 1990.0, 0.0); (393023.7, 3815221.8, 861.6, 1990.0, 0.0);
(393035.0, 3815201.5, 861.7, 1990.0, 0.0); (393046.4, 3815181.2, 861.3, 1990.0, 0.0);
(393057.7, 3815160.9, 861.4, 1990.0, 0.0); (393069.0, 3815140.7, 861.9, 1990.0, 0.0);
(393080.3, 3815120.4, 862.2, 1990.0, 0.0); (393091.6, 3815100.1, 862.0, 1990.0, 0.0);

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     ( 393102.9, 3815079.9,     861.8,    1990.0,       0.0);         ( 393114.2,
3815059.6,     862.0,    1990.0,       0.0);
     ( 393125.5, 3815039.4,     862.3,    1990.0,       0.0);         ( 393136.9,
3815019.1,     862.5,    1990.0,       0.0);
     ( 393148.2, 3814998.8,     862.9,    1990.0,       0.0);         ( 393159.5,
3814978.6,     862.9,    1990.0,       0.0);
     ( 393170.8, 3814958.3,     863.1,    1990.0,       0.0);         ( 393182.1,
3814938.0,     862.1,    1990.0,       0.0);
     ( 393193.4, 3814917.8,     862.0,    1990.0,       0.0);         ( 393204.7,
3814897.5,     862.3,    1990.0,       0.0);
     ( 393216.0, 3814877.2,     862.7,    1990.0,       0.0);         ( 393227.3,
3814857.0,     867.5,    1990.0,       0.0);
     ( 393238.7, 3814836.7,     869.7,    1990.0,       0.0);         ( 393250.0,
3814816.4,     875.6,    1990.0,       0.0);
     ( 393261.3, 3814796.2,     880.2,    1990.0,       0.0);         ( 393272.6,
3814775.9,     883.3,    1990.0,       0.0);
     ( 393283.9, 3814755.6,     889.6,    1990.0,       0.0);         ( 393295.2,
3814735.4,     888.8,    1990.0,       0.0);
     ( 393306.5, 3814715.1,     886.0,    1990.0,       0.0);         ( 393317.8,
3814694.8,     886.4,    1990.0,       0.0);
     ( 393329.2, 3814674.6,     883.8,    1990.0,       0.0);         ( 393340.5,
3814654.3,     875.3,    1990.0,       0.0);
     ( 393351.8, 3814634.0,     867.5,    1990.0,       0.0);         ( 393363.1,
3814613.8,     867.6,    1990.0,       0.0);
     ( 393374.4, 3814593.5,     868.0,    1990.0,       0.0);         ( 393385.7,
3814573.2,     868.6,    1990.0,       0.0);
     ( 393397.0, 3814553.0,     869.8,    1990.0,       0.0);         ( 393431.4,
3814530.2,     871.4,    1990.0,       0.0);
     ( 393454.5, 3814527.6,     874.4,    1990.0,       0.0);         ( 393477.5,
3814525.0,     874.8,    1990.0,       0.0);
     ( 393500.6, 3814522.5,     875.3,    1990.0,       0.0);         ( 393523.7,
3814519.9,     875.6,    1990.0,       0.0);
     ( 393546.7, 3814517.4,     877.8,    1990.0,       0.0);         ( 393569.8,
3814514.8,     878.7,    1990.0,       0.0);
     ( 393592.9, 3814512.3,     881.6,    1990.0,       0.0);         ( 393615.9,
3814509.7,     883.8,    1990.0,       0.0);
     ( 393639.0, 3814507.1,     885.3,    1990.0,       0.0);         ( 393662.1,
3814504.6,     887.6,    1990.0,       0.0);
     ( 393685.1, 3814502.0,     888.5,    1990.0,       0.0);         ( 393708.2,
3814499.5,     891.6,    1990.0,       0.0);
     ( 393731.3, 3814496.9,     891.9,    1990.0,       0.0);         ( 393754.3,
3814494.4,     893.3,    1990.0,       0.0);
     ( 393777.4, 3814491.8,     895.0,    1990.0,       0.0);         ( 393800.5,
3814489.2,     898.6,    1990.0,       0.0);
     ( 393823.5, 3814486.7,     900.2,    1990.0,       0.0);         ( 393846.6,
3814484.1,     904.2,    1990.0,       0.0);
     ( 393869.7, 3814481.6,     907.4,    1990.0,       0.0);         ( 393892.8,
3814479.0,     908.0,    1990.0,       0.0);
     ( 393915.8, 3814476.4,     908.8,    1990.0,       0.0);         ( 393938.9,
3814473.9,     909.4,    1990.0,       0.0);
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(393962.0, 3814471.3, 910.1, 1990.0, 0.0); (393985.0,
3814468.8, 913.1, 1990.0, 0.0);
(394008.1, 3814466.2, 916.6, 1990.0, 0.0); (394031.1,
3814463.7, 919.4, 1990.0, 0.0);
(394054.2, 3814461.1, 925.0, 1990.0, 0.0); (394077.3,
3814458.5, 929.5, 1990.0, 0.0);
(394100.4, 3814456.0, 934.1, 1990.0, 0.0); (394123.4,
3814453.4, 939.6, 1990.0, 0.0);
(394146.5, 3814450.9, 946.4, 1990.0, 0.0); (394169.6,
3814448.3, 954.3, 1990.0, 0.0);
(394192.6, 3814445.8, 955.1, 1990.0, 0.0); (394215.7,
3814443.2, 948.5, 1990.0, 0.0);
(394238.8, 3814440.6, 941.2, 1990.0, 0.0); (394261.8,
3814438.1, 938.1, 1990.0, 0.0);
(394284.9, 3814435.5, 938.6, 1990.0, 0.0); (394308.0,
3814433.0, 938.2, 1990.0, 0.0);
(394331.0, 3814430.4, 940.7, 1990.0, 0.0); (394354.1,
3814427.8, 946.0, 1990.0, 0.0);
(394377.2, 3814425.3, 951.2, 1990.0, 0.0); (394400.2,
3814422.7, 954.9, 1990.0, 0.0);
(394423.3, 3814420.2, 959.9, 1990.0, 0.0); (394446.4,
3814417.6, 964.9, 1990.0, 0.0);
(394469.4, 3814415.1, 969.5, 1981.2, 0.0); (394492.5,
3814412.5, 966.1, 1981.2, 0.0);
(394515.6, 3814409.9, 962.9, 1990.0, 0.0); (394538.6,
3814407.4, 966.0, 1981.2, 0.0);
(394561.7, 3814404.8, 970.0, 1981.2, 0.0); (394584.8,
3814402.3, 972.9, 1981.2, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394607.8, 3814399.7, 976.1, 1981.2, 0.0); (394630.9,
3814397.2, 979.6, 1939.6, 0.0);
(394654.0, 3814394.6, 981.3, 1939.6, 0.0); (394677.0,
3814392.0, 984.5, 1939.6, 0.0);
(394700.1, 3814389.5, 994.3, 1356.4, 0.0); (394723.2,
3814386.9, 1001.9, 1356.4, 0.0);
(394746.2, 3814384.4, 1009.9, 1356.4, 0.0); (394769.3,
3814381.8, 1018.9, 1356.4, 0.0);
(394792.4, 3814379.2, 1027.4, 1356.4, 0.0); (394815.4,
3814376.7, 1037.0, 1356.4, 0.0);

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     ( 394838.5, 3814374.1,    1048.4,    1356.4,       0.0);         ( 394861.6,
3814371.6,    1060.3,    1356.4,       0.0);
     ( 394884.6, 3814369.0,    1071.6,    1356.4,       0.0);         ( 394907.7,
3814366.5,    1083.6,    1356.4,       0.0);
     ( 394930.8, 3814363.9,    1093.8,    1356.4,       0.0);         ( 394953.8,
3814361.3,    1101.4,    1356.4,       0.0);
     ( 394976.9, 3814358.8,    1112.8,    1356.4,       0.0);         ( 395000.0,
3814356.2,    1119.2,    1356.4,       0.0);
     ( 395023.0, 3814353.7,    1127.9,    1356.4,       0.0);         ( 395046.1,
3814351.1,    1138.2,    1356.4,       0.0);
     ( 395069.2, 3814348.6,    1147.6,    1356.4,       0.0);         ( 392582.6,
3816012.1,     879.7,    1939.6,       0.0);
     ( 392581.8, 3816035.6,     881.3,    1939.6,       0.0);         ( 392581.0,
3816059.0,     883.0,    1440.1,       0.0);
     ( 392580.2, 3816082.5,     884.8,    1440.1,       0.0);         ( 392579.4,
3816106.0,     886.7,    1440.1,       0.0);
     ( 392578.7, 3816129.5,     888.2,    1440.1,       0.0);         ( 392577.9,
3816152.9,     889.8,    1440.1,       0.0);
     ( 392577.1, 3816176.4,     891.5,    1440.1,       0.0);         ( 392576.3,
3816199.9,     893.3,    1440.1,       0.0);
     ( 392575.5, 3816223.3,     895.2,    1440.1,       0.0);         ( 392574.7,
3816246.8,     897.0,    1440.1,       0.0);
     ( 392573.9, 3816270.3,     898.7,    1440.1,       0.0);         ( 392573.2,
3816293.8,     900.5,    1440.1,       0.0);
     ( 392094.3, 3815974.9,     927.2,    1037.1,       0.0);         ( 392105.7,
3815954.5,     922.2,    1037.1,       0.0);
     ( 392117.1, 3815934.1,     917.3,    1037.1,       0.0);         ( 392128.5,
3815913.7,     913.5,    1439.0,       0.0);
     ( 392139.9, 3815893.2,     909.6,    1440.1,       0.0);         ( 392151.3,
3815872.8,     905.7,    1939.6,       0.0);
     ( 392162.7, 3815852.4,     902.1,    1939.6,       0.0);         ( 392174.1,
3815832.0,     898.3,    1939.6,       0.0);
     ( 392185.5, 3815811.5,     894.9,    1939.6,       0.0);         ( 392196.9,
3815791.1,     892.1,    1939.6,       0.0);
     ( 392208.3, 3815770.7,     889.8,    1958.8,       0.0);         ( 392219.7,
3815750.2,     887.7,    1981.2,       0.0);
     ( 392231.1, 3815729.8,     885.3,    1981.2,       0.0);         ( 392242.5,
3815709.4,     883.2,    1981.2,       0.0);
     ( 392253.9, 3815689.0,     881.8,    1981.2,       0.0);         ( 392265.3,
3815668.5,     879.8,    1981.2,       0.0);
     ( 392276.7, 3815648.1,     876.2,    1990.0,       0.0);         ( 392288.1,
3815627.7,     874.0,    1990.0,       0.0);
     ( 392299.5, 3815607.3,     871.8,    1990.0,       0.0);         ( 392310.9,
3815586.8,     869.8,    1990.0,       0.0);
     ( 392322.3, 3815566.4,     866.8,    1990.0,       0.0);         ( 392333.7,
3815546.0,     865.5,    1990.0,       0.0);
     ( 392345.1, 3815525.6,     865.1,    1990.0,       0.0);         ( 392356.5,
3815505.1,     864.4,    1990.0,       0.0);
     ( 392367.9, 3815484.7,     861.6,    1990.0,       0.0);         ( 392379.3,
3815464.3,     858.6,    1990.0,       0.0);
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(392390.7, 3815443.9, 857.5, 1990.0, 0.0); (392402.1, 3815423.4, 855.7, 1990.0, 0.0);
(392413.5, 3815403.0, 854.3, 1990.0, 0.0); (392424.9, 3815382.6, 854.0, 1990.0, 0.0);
(392436.3, 3815362.2, 854.3, 1990.0, 0.0); (392447.7, 3815341.7, 854.4, 1990.0, 0.0);
(392459.1, 3815321.3, 854.5, 1990.0, 0.0); (392470.5, 3815300.9, 854.5, 1990.0, 0.0);
(392481.9, 3815280.4, 854.7, 1990.0, 0.0); (392493.3, 3815260.0, 854.7, 1990.0, 0.0);
(392504.7, 3815239.6, 854.6, 1990.0, 0.0); (392516.1, 3815219.2, 854.7, 1990.0, 0.0);
(392527.5, 3815198.8, 855.0, 1990.0, 0.0); (392538.9, 3815178.3, 855.0, 1990.0, 0.0);
(392550.3, 3815157.9, 855.1, 1990.0, 0.0); (392561.7, 3815137.5, 855.2, 1990.0, 0.0);
(392573.1, 3815117.0, 855.4, 1990.0, 0.0); (392584.5, 3815096.6, 855.9, 1990.0, 0.0);
(392595.9, 3815076.2, 855.9, 1990.0, 0.0); (392607.3, 3815055.8, 856.1, 1990.0, 0.0);
(392618.7, 3815035.3, 856.4, 1990.0, 0.0); (392630.1, 3815014.9, 856.6, 1990.0, 0.0);
(392641.5, 3814994.5, 856.8, 1990.0, 0.0); (392652.9, 3814974.1, 857.0, 1990.0, 0.0);
(392664.3, 3814953.6, 856.2, 1990.0, 0.0); (392675.7, 3814933.2, 855.2, 1990.0, 0.0);
(392687.1, 3814912.8, 856.0, 1990.0, 0.0); (392698.5, 3814892.4, 856.6, 1990.0, 0.0);
(392709.9, 3814871.9, 857.2, 1990.0, 0.0); (392721.3, 3814851.5, 858.2, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(392732.8, 3814831.1, 860.6, 1990.0, 0.0); (392744.1, 3814810.6, 863.6, 1990.0, 0.0);
(392755.5, 3814790.2, 864.8, 1990.0, 0.0); (392767.0, 3814769.8, 866.4, 1990.0, 0.0);
(392778.3, 3814749.4, 868.1, 1990.0, 0.0); (392789.8, 3814728.9, 868.5, 1990.0, 0.0);
(392801.1, 3814708.5, 869.7, 1990.0, 0.0); (392812.5, 3814688.1, 870.9, 1990.0, 0.0);

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     ( 392824.0, 3814667.7,     872.7,    1990.0,       0.0);         ( 392835.4,
3814647.2,     874.6,    1990.0,       0.0);
     ( 392846.8, 3814626.8,     876.7,    1990.0,       0.0);         ( 392858.2,
3814606.4,     878.5,    1990.0,       0.0);
     ( 392869.6, 3814586.0,     880.8,    1990.0,       0.0);         ( 392881.0,
3814565.5,     883.7,    1990.0,       0.0);
     ( 392892.4, 3814545.1,     885.4,    1990.0,       0.0);         ( 392903.8,
3814524.7,     886.7,    1990.0,       0.0);
     ( 392915.2, 3814504.3,     888.2,    1990.0,       0.0);         ( 392926.6,
3814483.8,     890.3,    1990.0,       0.0);
     ( 392938.0, 3814463.4,     891.1,    1990.0,       0.0);         ( 392949.4,
3814443.0,     895.0,    1990.0,       0.0);
     ( 392960.8, 3814422.5,     898.5,    1990.0,       0.0);         ( 392972.2,
3814402.1,     901.9,    1990.0,       0.0);
     ( 392983.6, 3814381.7,     905.0,    1990.0,       0.0);         ( 392995.0,
3814361.3,     907.7,    1990.0,       0.0);
     ( 393006.4, 3814340.8,     910.1,    1990.0,       0.0);         ( 393017.8,
3814320.4,     912.9,    1990.0,       0.0);
     ( 393029.2, 3814300.0,     915.6,    1990.0,       0.0);         ( 393040.6,
3814279.6,     918.0,    1990.0,       0.0);
     ( 393052.0, 3814259.1,     921.3,    1990.0,       0.0);         ( 393063.4,
3814238.7,     925.2,    1990.0,       0.0);
     ( 393074.8, 3814218.3,     930.9,    1990.0,       0.0);         ( 393086.2,
3814197.9,     940.8,    1990.0,       0.0);
     ( 393097.6, 3814177.4,     950.2,    1990.0,       0.0);         ( 393109.0,
3814157.0,     958.5,    1990.0,       0.0);
     ( 393120.4, 3814136.6,     959.5,    1990.0,       0.0);         ( 393155.0,
3814113.6,     978.8,    1990.0,       0.0);
     ( 393178.3, 3814111.0,     988.6,    1990.0,       0.0);         ( 393201.5,
3814108.4,     990.4,    1990.0,       0.0);
     ( 393224.8, 3814105.8,     987.0,    1990.0,       0.0);         ( 393248.0,
3814103.3,     984.9,    1990.0,       0.0);
     ( 393271.3, 3814100.7,     985.0,    1990.0,       0.0);         ( 393294.5,
3814098.1,     981.7,    1990.0,       0.0);
     ( 393317.8, 3814095.5,     973.8,    1990.0,       0.0);         ( 393341.0,
3814093.0,     972.2,    1990.0,       0.0);
     ( 393364.3, 3814090.4,     967.1,    1990.0,       0.0);         ( 393387.5,
3814087.8,     959.8,    1990.0,       0.0);
     ( 393410.8, 3814085.2,     951.7,    1990.0,       0.0);         ( 393434.0,
3814082.6,     943.0,    1990.0,       0.0);
     ( 393457.3, 3814080.1,     933.8,    1990.0,       0.0);         ( 393480.5,
3814077.5,     923.8,    1990.0,       0.0);
     ( 393503.8, 3814074.9,     913.2,    1990.0,       0.0);         ( 393527.0,
3814072.3,     902.8,    1990.0,       0.0);
     ( 393550.3, 3814069.8,     891.5,    1990.0,       0.0);         ( 393573.5,
3814067.2,     878.6,    1990.0,       0.0);
     ( 393596.8, 3814064.6,     876.2,    1990.0,       0.0);         ( 393620.0,
3814062.0,     876.6,    1990.0,       0.0);
     ( 393643.3, 3814059.4,     876.9,    1990.0,       0.0);         ( 393666.5,
3814056.9,     881.8,    1990.0,       0.0);
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(393689.8, 3814054.3, 887.0, 1990.0, 0.0); (393713.0, 3814051.7, 890.0, 1990.0, 0.0);
(393736.3, 3814049.1, 891.7, 1990.0, 0.0); (393759.5, 3814046.5, 893.4, 1990.0, 0.0);
(393782.8, 3814044.0, 894.3, 1990.0, 0.0); (393806.0, 3814041.4, 894.3, 1990.0, 0.0);
(393829.3, 3814038.8, 896.6, 1990.0, 0.0); (393852.5, 3814036.2, 899.0, 1990.0, 0.0);
(393875.8, 3814033.7, 901.4, 1990.0, 0.0); (393899.0, 3814031.1, 903.6, 1990.0, 0.0);
(393922.3, 3814028.5, 905.9, 1990.0, 0.0); (393945.5, 3814025.9, 907.5, 1990.0, 0.0);
(393968.8, 3814023.3, 909.1, 1990.0, 0.0); (393992.0, 3814020.8, 910.3, 1990.0, 0.0);
(394015.3, 3814018.2, 910.6, 1990.0, 0.0); (394038.5, 3814015.6, 910.5, 1990.0, 0.0);
(394061.8, 3814013.0, 911.1, 1990.0, 0.0); (394085.0, 3814010.5, 912.1, 1990.0, 0.0);
(394108.3, 3814007.9, 914.4, 1990.0, 0.0); (394131.5, 3814005.3, 917.3, 1990.0, 0.0);
(394154.8, 3814002.7, 922.9, 1990.0, 0.0); (394178.0, 3814000.1, 929.6, 1990.0, 0.0);
(394201.3, 3813997.6, 934.0, 1990.0, 0.0); (394224.5, 3813995.0, 938.1, 1990.0, 0.0);
(394247.8, 3813992.4, 945.0, 1990.0, 0.0); (394271.1, 3813989.8, 952.8, 1990.0, 0.0);
(394294.3, 3813987.3, 959.3, 1990.0, 0.0); (394317.6, 3813984.7, 963.3, 1990.0, 0.0);
(394340.8, 3813982.1, 960.1, 1990.0, 0.0); (394364.1, 3813979.5, 954.4, 1990.0, 0.0);
(394387.3, 3813976.9, 950.6, 1990.0, 0.0); (394410.6, 3813974.4, 954.7, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394433.8, 3813971.8, 954.2, 1990.0, 0.0); (394457.1, 3813969.2, 951.8, 1990.0, 0.0);
(394480.3, 3813966.6, 952.3, 1990.0, 0.0); (394503.6, 3813964.0, 956.5, 1990.0, 0.0);
(394526.8, 3813961.5, 962.6, 1990.0, 0.0); (394550.1, 3813958.9, 969.8, 1990.0, 0.0);

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    ( 394573.3, 3813956.3,     976.7,    1990.0,       0.0);         ( 394596.6,
3813953.7,     981.4,    1990.0,       0.0);
    ( 394619.8, 3813951.2,     986.2,    1990.0,       0.0);         ( 394643.1,
3813948.6,     990.6,    1990.0,       0.0);
    ( 394666.3, 3813946.0,     991.0,    1990.0,       0.0);         ( 394689.6,
3813943.4,     996.9,    1990.0,       0.0);
    ( 394712.8, 3813940.8,    1004.7,    1989.0,       0.0);         ( 394736.1,
3813938.3,    1011.8,    1981.2,       0.0);
    ( 394759.3, 3813935.7,    1014.5,    1981.2,       0.0);         ( 394782.6,
3813933.1,    1016.7,    1981.2,       0.0);
    ( 394805.8, 3813930.5,    1019.7,    1939.6,       0.0);         ( 394829.1,
3813928.0,    1019.6,    1939.6,       0.0);
    ( 394852.3, 3813925.4,    1020.0,    1939.6,       0.0);         ( 394875.6,
3813922.8,    1029.1,    1356.4,       0.0);
    ( 394898.8, 3813920.2,    1035.9,    1356.4,       0.0);         ( 394922.1,
3813917.6,    1039.1,    1356.4,       0.0);
    ( 394945.3, 3813915.1,    1034.9,    1356.4,       0.0);         ( 394968.6,
3813912.5,    1028.1,    1356.4,       0.0);
    ( 394991.8, 3813909.9,    1020.0,    1939.6,       0.0);         ( 395015.1,
3813907.3,    1019.5,    1939.6,       0.0);
    ( 395038.3, 3813904.8,    1024.2,    1356.4,       0.0);         ( 395061.6,
3813902.2,    1028.6,    1356.4,       0.0);
    ( 395084.8, 3813899.6,    1029.4,    1356.4,       0.0);         ( 395108.1,
3813897.0,    1026.0,    1356.4,       0.0);
    ( 395131.3, 3813894.4,    1024.6,    1356.4,       0.0);         ( 395154.6,
3813891.9,    1026.4,    1356.4,       0.0);
    ( 395177.8, 3813889.3,    1028.8,    1356.4,       0.0);         ( 395201.1,
3813886.7,    1027.1,    1356.4,       0.0);
    ( 395224.3, 3813884.1,    1027.6,    1356.4,       0.0);         ( 392082.9,
3815995.4,     932.1,    1037.1,       0.0);
    ( 392082.1, 3816018.8,     937.2,    1037.1,       0.0);         ( 392081.3,
3816042.3,     943.4,    1037.1,       0.0);
    ( 392080.5, 3816065.8,     950.8,    1037.1,       0.0);         ( 392079.7,
3816089.3,     959.5,    1037.1,       0.0);
    ( 392078.9, 3816112.7,     970.0,    1037.1,       0.0);         ( 392078.1,
3816136.2,     981.0,    1037.1,       0.0);
    ( 392077.4, 3816159.7,     991.4,    1036.4,       0.0);         ( 392076.6,
3816183.1,     998.9,    1036.4,       0.0);
    ( 392075.8, 3816206.6,    1001.3,    1036.4,       0.0);         ( 392075.0,
3816230.1,     997.8,    1036.4,       0.0);
    ( 392074.2, 3816253.6,     997.8,    1037.1,       0.0);         ( 392073.4,
3816277.0,    1000.8,    1036.4,       0.0);
    ( 391594.5, 3815958.3,     921.2,    1037.1,       0.0);         ( 391605.9,
3815937.9,     920.8,    1037.1,       0.0);
    ( 391617.2, 3815917.6,     918.7,    1037.1,       0.0);         ( 391628.6,
3815897.2,     917.4,    1037.1,       0.0);
    ( 391639.9, 3815876.9,     914.5,    1037.1,       0.0);         ( 391651.3,
3815856.5,     912.7,    1037.1,       0.0);
    ( 391662.6, 3815836.2,     910.7,    1939.6,       0.0);         ( 391674.0,
3815815.8,     910.5,    1939.6,       0.0);
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(391685.4, 3815795.5, 912.7, 1939.6, 0.0); (391696.7, 3815775.1, 915.9, 1939.6, 0.0);
(391708.1, 3815754.8, 922.1, 1037.1, 0.0); (391719.4, 3815734.5, 926.8, 1037.1, 0.0);
(391730.8, 3815714.1, 929.8, 1037.1, 0.0); (391742.2, 3815693.8, 928.3, 1037.1, 0.0);
(391753.5, 3815673.4, 927.9, 1939.6, 0.0); (391764.9, 3815653.1, 925.2, 1939.6, 0.0);
(391776.2, 3815632.7, 923.9, 1939.6, 0.0); (391787.6, 3815612.4, 922.5, 1939.6, 0.0);
(391799.0, 3815592.0, 923.6, 1939.6, 0.0); (391810.3, 3815571.7, 925.7, 1939.6, 0.0);
(391821.7, 3815551.3, 924.6, 1939.6, 0.0); (391833.0, 3815531.0, 922.9, 1939.6, 0.0);
(391844.4, 3815510.6, 919.3, 1958.8, 0.0); (391855.7, 3815490.3, 916.8, 1981.2, 0.0);
(391867.1, 3815469.9, 918.9, 1981.2, 0.0); (391878.5, 3815449.6, 917.7, 1981.2, 0.0);
(391889.8, 3815429.2, 915.4, 1981.2, 0.0); (391901.2, 3815408.9, 915.5, 1981.2, 0.0);
(391912.5, 3815388.5, 913.4, 1981.2, 0.0); (391923.9, 3815368.2, 910.9, 1982.9, 0.0);
(391935.2, 3815347.8, 905.1, 1990.0, 0.0); (391946.6, 3815327.5, 900.3, 1990.0, 0.0);
(391958.0, 3815307.1, 896.8, 1990.0, 0.0); (391969.3, 3815286.8, 896.3, 1990.0, 0.0);
(391980.7, 3815266.4, 898.1, 1990.0, 0.0); (391992.0, 3815246.1, 897.2, 1990.0, 0.0);
(392003.4, 3815225.7, 897.7, 1990.0, 0.0); (392014.8, 3815205.4, 892.4, 1990.0, 0.0);
(392026.1, 3815185.0, 885.4, 1990.0, 0.0); (392037.5, 3815164.7, 877.5, 1990.0, 0.0);
(392048.8, 3815144.3, 871.8, 1990.0, 0.0); (392060.2, 3815124.0, 866.1, 1990.0, 0.0);

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

(392071.5, 3815103.6, 863.8, 1990.0, 0.0); (392082.9, 3815083.3, 858.4, 1990.0, 0.0);
(392094.3, 3815062.9, 851.0, 1990.0, 0.0); (392105.6, 3815042.6, 849.8, 1990.0, 0.0);

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    ( 392117.0, 3815022.3,     849.6,    1990.0,       0.0);         ( 392128.3,
3815001.9,     850.0,    1990.0,       0.0);
    ( 392139.7, 3814981.6,     850.1,    1990.0,       0.0);         ( 392151.0,
3814961.2,     850.4,    1990.0,       0.0);
    ( 392162.4, 3814940.9,     850.7,    1990.0,       0.0);         ( 392173.8,
3814920.5,     850.8,    1990.0,       0.0);
    ( 392185.1, 3814900.2,     850.6,    1990.0,       0.0);         ( 392196.5,
3814879.8,     850.5,    1990.0,       0.0);
    ( 392207.8, 3814859.5,     850.6,    1990.0,       0.0);         ( 392219.2,
3814839.1,     850.8,    1990.0,       0.0);
    ( 392230.6, 3814818.8,     851.0,    1990.0,       0.0);         ( 392241.9,
3814798.4,     850.7,    1990.0,       0.0);
    ( 392253.3, 3814778.1,     850.8,    1990.0,       0.0);         ( 392264.6,
3814757.7,     851.2,    1990.0,       0.0);
    ( 392276.0, 3814737.4,     851.3,    1990.0,       0.0);         ( 392287.3,
3814717.0,     850.9,    1990.0,       0.0);
    ( 392298.7, 3814696.7,     850.0,    1990.0,       0.0);         ( 392310.1,
3814676.3,     850.2,    1990.0,       0.0);
    ( 392321.4, 3814656.0,     851.8,    1990.0,       0.0);         ( 392332.8,
3814635.6,     857.8,    1990.0,       0.0);
    ( 392344.1, 3814615.3,     859.9,    1990.0,       0.0);         ( 392355.5,
3814594.9,     860.4,    1990.0,       0.0);
    ( 392366.8, 3814574.6,     860.9,    1990.0,       0.0);         ( 392378.2,
3814554.2,     861.6,    1990.0,       0.0);
    ( 392389.6, 3814533.9,     863.3,    1990.0,       0.0);         ( 392400.9,
3814513.5,     864.9,    1990.0,       0.0);
    ( 392412.3, 3814493.2,     865.2,    1990.0,       0.0);         ( 392423.6,
3814472.8,     864.2,    1990.0,       0.0);
    ( 392435.0, 3814452.5,     866.9,    1990.0,       0.0);         ( 392446.4,
3814432.1,     868.3,    1990.0,       0.0);
    ( 392457.7, 3814411.8,     869.5,    1990.0,       0.0);         ( 392469.1,
3814391.4,     870.8,    1990.0,       0.0);
    ( 392480.4, 3814371.1,     872.1,    1990.0,       0.0);         ( 392491.8,
3814350.8,     873.8,    1990.0,       0.0);
    ( 392503.1, 3814330.4,     875.7,    1990.0,       0.0);         ( 392514.5,
3814310.1,     876.3,    1990.0,       0.0);
    ( 392525.9, 3814289.7,     877.2,    1990.0,       0.0);         ( 392537.2,
3814269.4,     879.3,    1990.0,       0.0);
    ( 392548.6, 3814249.0,     880.6,    1990.0,       0.0);         ( 392559.9,
3814228.7,     881.8,    1990.0,       0.0);
    ( 392571.3, 3814208.3,     883.2,    1990.0,       0.0);         ( 392582.7,
3814188.0,     884.7,    1990.0,       0.0);
    ( 392594.0, 3814167.6,     886.4,    1990.0,       0.0);         ( 392605.4,
3814147.3,     888.1,    1990.0,       0.0);
    ( 392616.7, 3814126.9,     889.8,    1990.0,       0.0);         ( 392628.1,
3814106.6,     890.5,    1990.0,       0.0);
    ( 392639.5, 3814086.2,     892.4,    1990.0,       0.0);         ( 392650.8,
3814065.9,     894.3,    1990.0,       0.0);
    ( 392662.2, 3814045.5,     896.2,    1990.0,       0.0);         ( 392673.5,
3814025.2,     898.0,    1990.0,       0.0);
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(392684.9, 3814004.8, 900.1, 1990.0, 0.0); (392696.2, 3813984.5, 902.1, 1990.0, 0.0);
(392707.6, 3813964.1, 904.0, 1990.0, 0.0); (392719.0, 3813943.8, 906.3, 1990.0, 0.0);
(392730.3, 3813923.4, 908.7, 1990.0, 0.0); (392741.7, 3813903.1, 911.2, 1990.0, 0.0);
(392753.0, 3813882.7, 913.9, 1990.0, 0.0); (392764.4, 3813862.4, 917.9, 1990.0, 0.0);
(392775.7, 3813842.0, 923.5, 1990.0, 0.0); (392787.1, 3813821.7, 928.8, 1990.0, 0.0);
(392798.5, 3813801.3, 932.8, 1990.0, 0.0); (392809.8, 3813781.0, 932.2, 1990.0, 0.0);
(392821.2, 3813760.6, 930.2, 1990.0, 0.0); (392832.5, 3813740.3, 932.4, 1990.0, 0.0);
(392843.9, 3813719.9, 936.2, 1990.0, 0.0); (392878.4, 3813697.0, 940.9, 1990.0, 0.0);
(392901.6, 3813694.5, 941.4, 1990.0, 0.0); (392924.7, 3813691.9, 939.8, 1990.0, 0.0);
(392947.9, 3813689.3, 938.0, 1990.0, 0.0); (392971.1, 3813686.8, 939.1, 1990.0, 0.0);
(392994.2, 3813684.2, 942.5, 1990.0, 0.0); (393017.4, 3813681.6, 946.6, 1990.0, 0.0);
(393040.5, 3813679.0, 948.9, 1990.0, 0.0); (393063.7, 3813676.5, 950.0, 1990.0, 0.0);
(393086.9, 3813673.9, 954.1, 1990.0, 0.0); (393110.0, 3813671.3, 955.5, 1990.0, 0.0);
(393133.2, 3813668.8, 958.2, 1990.0, 0.0); (393156.3, 3813666.2, 962.6, 1990.0, 0.0);
(393179.5, 3813663.6, 966.3, 1990.0, 0.0); (393202.7, 3813661.1, 966.1, 1990.0, 0.0);
(393225.8, 3813658.5, 965.2, 1990.0, 0.0); (393249.0, 3813655.9, 961.8, 1990.0, 0.0);
(393272.2, 3813653.4, 955.0, 1990.0, 0.0); (393295.3, 3813650.8, 947.7, 1990.0, 0.0);
(393318.5, 3813648.2, 942.3, 1990.0, 0.0); (393341.6, 3813645.7, 937.7, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(393364.8, 3813643.1, 935.9, 1990.0, 0.0); (393388.0, 3813640.5, 930.8, 1990.0, 0.0);

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    ( 393411.1, 3813638.0,     931.4,    1990.0,       0.0);         ( 393434.3,
3813635.4,     931.1,    1990.0,       0.0);
    ( 393457.5, 3813632.8,     931.0,    1990.0,       0.0);         ( 393480.6,
3813630.3,     927.8,    1990.0,       0.0);
    ( 393503.8, 3813627.7,     923.0,    1990.0,       0.0);         ( 393526.9,
3813625.1,     917.0,    1990.0,       0.0);
    ( 393550.1, 3813622.5,     911.4,    1990.0,       0.0);         ( 393573.3,
3813620.0,     908.5,    1990.0,       0.0);
    ( 393596.4, 3813617.4,     904.7,    1990.0,       0.0);         ( 393619.6,
3813614.8,     905.6,    1990.0,       0.0);
    ( 393642.8, 3813612.3,     903.2,    1990.0,       0.0);         ( 393665.9,
3813609.7,     895.6,    1990.0,       0.0);
    ( 393689.1, 3813607.1,     888.0,    1990.0,       0.0);         ( 393712.2,
3813604.6,     884.4,    1990.0,       0.0);
    ( 393735.4, 3813602.0,     884.3,    1990.0,       0.0);         ( 393758.6,
3813599.4,     885.6,    1990.0,       0.0);
    ( 393781.7, 3813596.9,     886.8,    1990.0,       0.0);         ( 393804.9,
3813594.3,     887.2,    1990.0,       0.0);
    ( 393828.0, 3813591.7,     888.2,    1990.0,       0.0);         ( 393851.2,
3813589.2,     891.1,    1990.0,       0.0);
    ( 393874.4, 3813586.6,     893.6,    1990.0,       0.0);         ( 393897.5,
3813584.0,     896.3,    1990.0,       0.0);
    ( 393920.7, 3813581.5,     901.6,    1990.0,       0.0);         ( 393943.9,
3813578.9,     904.7,    1990.0,       0.0);
    ( 393967.0, 3813576.3,     908.1,    1990.0,       0.0);         ( 393990.2,
3813573.8,     914.0,    1990.0,       0.0);
    ( 394013.3, 3813571.2,     920.3,    1990.0,       0.0);         ( 394036.5,
3813568.6,     926.0,    1990.0,       0.0);
    ( 394059.7, 3813566.0,     931.3,    1990.0,       0.0);         ( 394082.8,
3813563.5,     933.6,    1990.0,       0.0);
    ( 394106.0, 3813560.9,     934.1,    1990.0,       0.0);         ( 394129.1,
3813558.3,     935.8,    1990.0,       0.0);
    ( 394152.3, 3813555.8,     937.7,    1990.0,       0.0);         ( 394175.5,
3813553.2,     935.3,    1990.0,       0.0);
    ( 394198.6, 3813550.6,     937.9,    1990.0,       0.0);         ( 394221.8,
3813548.1,     942.4,    1990.0,       0.0);
    ( 394245.0, 3813545.5,     946.3,    1990.0,       0.0);         ( 394268.1,
3813542.9,     950.0,    1990.0,       0.0);
    ( 394291.3, 3813540.4,     955.7,    1990.0,       0.0);         ( 394314.5,
3813537.8,     962.6,    1990.0,       0.0);
    ( 394337.6, 3813535.2,     969.4,    1990.0,       0.0);         ( 394360.8,
3813532.7,     975.7,    1990.0,       0.0);
    ( 394383.9, 3813530.1,     981.6,    1990.0,       0.0);         ( 394407.1,
3813527.5,     984.8,    1990.0,       0.0);
    ( 394430.3, 3813524.9,     987.1,    1990.0,       0.0);         ( 394453.4,
3813522.4,     985.8,    1990.0,       0.0);
    ( 394476.6, 3813519.8,     982.2,    1990.0,       0.0);         ( 394499.7,
3813517.2,     976.2,    1990.0,       0.0);
    ( 394522.9, 3813514.7,     969.3,    1990.0,       0.0);         ( 394546.1,
3813512.1,     962.4,    1990.0,       0.0);
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(394569.2, 3813509.5, 957.0, 1990.0, 0.0); (394592.4,
3813507.0, 956.7, 1990.0, 0.0);
(394615.5, 3813504.4, 958.4, 1990.0, 0.0); (394638.7,
3813501.8, 958.1, 1990.0, 0.0);
(394661.9, 3813499.3, 958.7, 1990.0, 0.0); (394685.0,
3813496.7, 961.0, 1990.0, 0.0);
(394708.2, 3813494.1, 965.6, 1990.0, 0.0); (394731.4,
3813491.6, 969.5, 1990.0, 0.0);
(394754.5, 3813489.0, 971.9, 1990.0, 0.0); (394777.7,
3813486.4, 973.2, 1990.0, 0.0);
(394800.8, 3813483.9, 973.9, 1990.0, 0.0); (394824.0,
3813481.3, 973.8, 1990.0, 0.0);
(394847.2, 3813478.7, 973.6, 1990.0, 0.0); (394870.3,
3813476.2, 975.7, 1990.0, 0.0);
(394893.5, 3813473.6, 979.9, 1990.0, 0.0); (394916.7,
3813471.0, 981.3, 1990.0, 0.0);
(394939.8, 3813468.4, 986.0, 1990.0, 0.0); (394963.0,
3813465.9, 991.8, 1990.0, 0.0);
(394986.1, 3813463.3, 998.3, 1990.0, 0.0); (395009.3,
3813460.8, 1006.1, 1990.0, 0.0);
(395032.5, 3813458.2, 1013.4, 1990.0, 0.0); (395055.6,
3813455.6, 1017.3, 1990.0, 0.0);
(395078.8, 3813453.0, 1018.1, 1990.0, 0.0); (391583.1,
3815978.6, 922.3, 1037.1, 0.0);
(391582.4, 3816002.1, 926.6, 1037.1, 0.0); (391581.6,
3816025.6, 929.7, 1037.1, 0.0);
(391580.8, 3816049.1, 932.6, 1037.1, 0.0); (391580.0,
3816072.5, 935.0, 1037.1, 0.0);
(391579.2, 3816096.0, 937.2, 1037.1, 0.0); (391578.4,
3816119.5, 939.4, 1037.1, 0.0);
(391577.6, 3816142.9, 941.8, 1037.1, 0.0); (391576.9,
3816166.4, 945.0, 1037.1, 0.0);
(391576.1, 3816189.9, 948.1, 1037.1, 0.0); (391575.3,
3816213.4, 950.2, 1037.1, 0.0);
(391574.5, 3816236.8, 953.3, 1037.1, 0.0); (391573.7,
3816260.3, 957.1, 1037.1, 0.0);
(391094.8, 3815941.5, 866.1, 1981.2, 0.0); (391106.2,
3815921.0, 865.4, 1981.2, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

```
    ( 391117.7, 3815900.6,     865.5,    1981.2,       0.0);         ( 391129.1,
3815880.1,     865.8,    1981.2,       0.0);
    ( 391140.5, 3815859.7,     864.8,    1981.2,       0.0);         ( 391151.9,
3815839.2,     863.8,    1981.2,       0.0);
    ( 391163.3, 3815818.8,     863.1,    1987.3,       0.0);         ( 391174.7,
3815798.3,     862.9,    1989.0,       0.0);
    ( 391186.1, 3815777.9,     862.8,    1990.0,       0.0);         ( 391197.6,
3815757.4,     862.9,    1990.0,       0.0);
    ( 391209.0, 3815737.0,     863.2,    1990.0,       0.0);         ( 391220.4,
3815716.5,     863.5,    1990.0,       0.0);
    ( 391231.8, 3815696.1,     864.3,    1990.0,       0.0);         ( 391243.2,
3815675.6,     865.0,    1990.0,       0.0);
    ( 391254.6, 3815655.2,     864.8,    1990.0,       0.0);         ( 391266.1,
3815634.7,     864.7,    1990.0,       0.0);
    ( 391277.5, 3815614.3,     863.8,    1990.0,       0.0);         ( 391288.9,
3815593.8,     863.5,    1990.0,       0.0);
    ( 391300.3, 3815573.4,     863.8,    1990.0,       0.0);         ( 391311.7,
3815552.9,     863.7,    1990.0,       0.0);
    ( 391323.1, 3815532.5,     863.0,    1990.0,       0.0);         ( 391334.5,
3815512.0,     862.3,    1990.0,       0.0);
    ( 391346.0, 3815491.6,     861.7,    1990.0,       0.0);         ( 391357.4,
3815471.1,     860.8,    1990.0,       0.0);
    ( 391368.8, 3815450.7,     859.9,    1990.0,       0.0);         ( 391380.2,
3815430.2,     858.9,    1990.0,       0.0);
    ( 391391.6, 3815409.8,     857.8,    1990.0,       0.0);         ( 391403.0,
3815389.3,     856.8,    1990.0,       0.0);
    ( 391414.4, 3815368.9,     856.7,    1990.0,       0.0);         ( 391425.9,
3815348.4,     856.6,    1990.0,       0.0);
    ( 391437.3, 3815328.0,     855.1,    1990.0,       0.0);         ( 391448.7,
3815307.5,     854.5,    1990.0,       0.0);
    ( 391460.1, 3815287.1,     853.6,    1990.0,       0.0);         ( 391471.5,
3815266.6,     852.7,    1990.0,       0.0);
    ( 391482.9, 3815246.2,     852.0,    1990.0,       0.0);         ( 391494.3,
3815225.7,     851.4,    1990.0,       0.0);
    ( 391505.8, 3815205.3,     851.1,    1990.0,       0.0);         ( 391517.2,
3815184.8,     850.7,    1990.0,       0.0);
    ( 391528.6, 3815164.4,     850.4,    1990.0,       0.0);         ( 391540.0,
3815143.9,     849.9,    1990.0,       0.0);
    ( 391551.4, 3815123.5,     850.1,    1990.0,       0.0);         ( 391562.8,
3815103.0,     850.1,    1990.0,       0.0);
    ( 391574.2, 3815082.6,     846.8,    1990.0,       0.0);         ( 391585.7,
3815062.1,     844.9,    1990.0,       0.0);
    ( 391597.1, 3815041.7,     843.6,    1990.0,       0.0);         ( 391608.5,
3815021.2,     843.7,    1990.0,       0.0);
    ( 391619.9, 3815000.8,     844.0,    1990.0,       0.0);         ( 391631.3,
3814980.3,     843.7,    1990.0,       0.0);
    ( 391642.7, 3814959.9,     843.8,    1990.0,       0.0);         ( 391654.1,
3814939.4,     844.0,    1990.0,       0.0);
    ( 391665.6, 3814919.0,     844.1,    1990.0,       0.0);         ( 391677.0,
3814898.5,     844.2,    1990.0,       0.0);
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     ( 391688.4, 3814878.1,     844.2,    1990.0,       0.0);         ( 391699.8,
3814857.6,     844.3,    1990.0,       0.0);
     ( 391711.2, 3814837.2,     844.2,    1990.0,       0.0);         ( 391722.6,
3814816.7,     844.3,    1990.0,       0.0);
     ( 391734.0, 3814796.3,     844.6,    1990.0,       0.0);         ( 391745.5,
3814775.8,     844.6,    1990.0,       0.0);
     ( 391756.9, 3814755.4,     844.5,    1990.0,       0.0);         ( 391768.3,
3814734.9,     844.3,    1990.0,       0.0);
     ( 391779.7, 3814714.5,     844.4,    1990.0,       0.0);         ( 391791.1,
3814694.0,     844.5,    1990.0,       0.0);
     ( 391802.5, 3814673.6,     844.8,    1990.0,       0.0);         ( 391813.9,
3814653.1,     844.9,    1990.0,       0.0);
     ( 391825.4, 3814632.7,     845.0,    1990.0,       0.0);         ( 391836.8,
3814612.2,     845.0,    1990.0,       0.0);
     ( 391848.2, 3814591.8,     844.9,    1990.0,       0.0);         ( 391859.6,
3814571.3,     844.6,    1990.0,       0.0);
     ( 391871.0, 3814550.9,     844.2,    1990.0,       0.0);         ( 391882.4,
3814530.4,     844.1,    1990.0,       0.0);
     ( 391893.8, 3814510.0,     844.2,    1990.0,       0.0);         ( 391905.3,
3814489.5,     845.2,    1990.0,       0.0);
     ( 391916.7, 3814469.1,     849.8,    1990.0,       0.0);         ( 391928.1,
3814448.6,     854.9,    1990.0,       0.0);
     ( 391939.5, 3814428.2,     855.0,    1990.0,       0.0);         ( 391950.9,
3814407.8,     854.9,    1990.0,       0.0);
     ( 391962.3, 3814387.3,     854.8,    1990.0,       0.0);         ( 391973.8,
3814366.9,     854.8,    1990.0,       0.0);
     ( 391985.2, 3814346.4,     854.6,    1990.0,       0.0);         ( 391996.6,
3814326.0,     855.4,    1990.0,       0.0);
     ( 392008.0, 3814305.5,     856.2,    1990.0,       0.0);         ( 392019.4,
3814285.1,     857.2,    1990.0,       0.0);
     ( 392030.8, 3814264.6,     858.1,    1990.0,       0.0);         ( 392042.2,
3814244.2,     859.8,    1990.0,       0.0);
     ( 392053.6, 3814223.7,     861.3,    1990.0,       0.0);         ( 392065.1,
3814203.3,     862.9,    1990.0,       0.0);
     ( 392076.5, 3814182.8,     864.6,    1990.0,       0.0);         ( 392087.9,
3814162.4,     866.5,    1990.0,       0.0);
     ( 392099.3, 3814141.9,     868.3,    1990.0,       0.0);         ( 392110.7,
3814121.5,     870.5,    1990.0,       0.0);
     ( 392122.1, 3814101.0,     873.4,    1990.0,       0.0);         ( 392133.5,
3814080.6,     876.8,    1990.0,       0.0);
↟ *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

(392145.0, 3814060.1, 877.4, 1990.0, 0.0); (392156.4, 3814039.7, 880.4, 1990.0, 0.0);
(392167.8, 3814019.2, 884.8, 1990.0, 0.0); (392179.2, 3813998.8, 887.0, 1990.0, 0.0);
(392190.6, 3813978.3, 889.6, 1990.0, 0.0); (392202.0, 3813957.9, 893.1, 1990.0, 0.0);
(392213.5, 3813937.4, 895.1, 1990.0, 0.0); (392224.9, 3813917.0, 897.0, 1990.0, 0.0);
(392236.3, 3813896.5, 900.9, 1990.0, 0.0); (392247.7, 3813876.1, 908.8, 1990.0, 0.0);
(392259.1, 3813855.6, 919.5, 1990.0, 0.0); (392270.5, 3813835.2, 931.1, 1990.0, 0.0);
(392281.9, 3813814.7, 939.7, 1990.0, 0.0); (392293.3, 3813794.3, 948.8, 1990.0, 0.0);
(392304.8, 3813773.8, 953.2, 1990.0, 0.0); (392316.2, 3813753.4, 960.0, 1990.0, 0.0);
(392327.6, 3813732.9, 965.0, 1990.0, 0.0); (392339.0, 3813712.5, 971.7, 1990.0, 0.0);
(392350.4, 3813692.0, 977.3, 1990.0, 0.0); (392361.8, 3813671.6, 979.2, 1990.0, 0.0);
(392373.2, 3813651.1, 979.0, 1990.0, 0.0); (392384.7, 3813630.7, 977.5, 1990.0, 0.0);
(392396.1, 3813610.2, 974.3, 1990.0, 0.0); (392407.5, 3813589.8, 971.8, 1990.0, 0.0);
(392418.9, 3813569.3, 967.7, 1990.0, 0.0); (392430.3, 3813548.9, 973.1, 1990.0, 0.0);
(392441.7, 3813528.4, 982.9, 1990.0, 0.0); (392453.1, 3813508.0, 987.6, 1990.0, 0.0);
(392464.6, 3813487.5, 989.4, 1990.0, 0.0); (392476.0, 3813467.1, 983.9, 1990.0, 0.0);
(392487.4, 3813446.6, 978.5, 1990.0, 0.0); (392498.8, 3813426.2, 977.9, 1990.0, 0.0);
(392510.2, 3813405.7, 979.9, 1990.0, 0.0); (392521.6, 3813385.3, 981.5, 1990.0, 0.0);
(392533.0, 3813364.8, 986.3, 1990.0, 0.0); (392544.5, 3813344.4, 992.5, 1990.0, 0.0);
(392555.9, 3813323.9, 999.8, 1990.0, 0.0); (392567.3, 3813303.5, 1009.1, 1990.0, 0.0);
(392602.0, 3813280.5, 1029.3, 1990.0, 0.0); (392625.3, 3813277.9, 1036.4, 1990.0, 0.0);
(392648.5, 3813275.3, 1040.2, 1990.0, 0.0); (392671.8, 3813272.7, 1047.4, 1990.0, 0.0);
(392695.1, 3813270.1, 1056.6, 1990.0, 0.0); (392718.4, 3813267.5, 1061.5, 1990.0, 0.0);
(392741.6, 3813265.0, 1060.1, 1990.0, 0.0); (392764.9, 3813262.4, 1051.3, 1990.0, 0.0);
(392788.2, 3813259.8, 1039.8, 1990.0, 0.0); (392811.5, 3813257.2, 1028.3, 1990.0, 0.0);

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     ( 392834.8, 3813254.6,    1019.3,    1990.0,       0.0);         ( 392858.0,
3813252.1,    1013.9,    1990.0,       0.0);
     ( 392881.3, 3813249.5,    1012.5,    1990.0,       0.0);         ( 392904.6,
3813246.9,    1017.4,    1990.0,       0.0);
     ( 392927.9, 3813244.3,    1028.2,    1990.0,       0.0);         ( 392951.1,
3813241.7,    1039.3,    1990.0,       0.0);
     ( 392974.4, 3813239.2,    1044.0,    1990.0,       0.0);         ( 392997.7,
3813236.6,    1048.7,    1990.0,       0.0);
     ( 393021.0, 3813234.0,    1052.4,    1990.0,       0.0);         ( 393044.2,
3813231.4,    1061.4,    1990.0,       0.0);
     ( 393067.5, 3813228.8,    1064.9,    1990.0,       0.0);         ( 393090.8,
3813226.3,    1057.8,    1990.0,       0.0);
     ( 393114.1, 3813223.7,    1045.9,    1990.0,       0.0);         ( 393137.3,
3813221.1,    1033.9,    1990.0,       0.0);
     ( 393160.6, 3813218.5,    1021.8,    1990.0,       0.0);         ( 393183.9,
3813215.9,    1010.5,    1990.0,       0.0);
     ( 393207.2, 3813213.3,    1001.4,    1990.0,       0.0);         ( 393230.5,
3813210.8,     993.4,    1990.0,       0.0);
     ( 393253.7, 3813208.2,     985.4,    1990.0,       0.0);         ( 393277.0,
3813205.6,     976.8,    1990.0,       0.0);
     ( 393300.3, 3813203.0,     970.0,    1990.0,       0.0);         ( 393323.6,
3813200.4,     966.1,    1990.0,       0.0);
     ( 393346.8, 3813197.9,     962.5,    1990.0,       0.0);         ( 393370.1,
3813195.3,     957.6,    1990.0,       0.0);
     ( 393393.4, 3813192.7,     952.8,    1990.0,       0.0);         ( 393416.7,
3813190.1,     953.4,    1990.0,       0.0);
     ( 393439.9, 3813187.5,     956.4,    1990.0,       0.0);         ( 393463.2,
3813185.0,     951.3,    1990.0,       0.0);
     ( 393486.5, 3813182.4,     947.5,    1990.0,       0.0);         ( 393509.8,
3813179.8,     943.3,    1990.0,       0.0);
     ( 393533.0, 3813177.2,     946.6,    1990.0,       0.0);         ( 393556.3,
3813174.6,     937.0,    1990.0,       0.0);
     ( 393579.6, 3813172.0,     930.2,    1990.0,       0.0);         ( 393602.9,
3813169.5,     937.5,    1990.0,       0.0);
     ( 393626.2, 3813166.9,     945.6,    1990.0,       0.0);         ( 393649.4,
3813164.3,     945.5,    1990.0,       0.0);
     ( 393672.7, 3813161.7,     940.5,    1990.0,       0.0);         ( 393696.0,
3813159.1,     934.4,    1990.0,       0.0);
     ( 393719.3, 3813156.6,     927.2,    1990.0,       0.0);         ( 393742.5,
3813154.0,     919.0,    1990.0,       0.0);
     ( 393765.8, 3813151.4,     912.8,    1990.0,       0.0);         ( 393789.1,
3813148.8,     908.7,    1990.0,       0.0);
↟ *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                         ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(393812.4, 3813146.2, 906.3, 1990.0, 0.0); (393835.6, 3813143.7, 904.2, 1990.0, 0.0);
(393858.9, 3813141.1, 901.7, 1990.0, 0.0); (393882.2, 3813138.5, 899.0, 1990.0, 0.0);
(393905.5, 3813135.9, 895.7, 1990.0, 0.0); (393928.8, 3813133.3, 893.8, 1990.0, 0.0);
(393952.0, 3813130.8, 895.2, 1990.0, 0.0); (393975.3, 3813128.2, 896.8, 1990.0, 0.0);
(393998.6, 3813125.6, 898.4, 1990.0, 0.0); (394021.9, 3813123.0, 899.9, 1990.0, 0.0);
(394045.1, 3813120.4, 903.4, 1990.0, 0.0); (394068.4, 3813117.8, 912.2, 1990.0, 0.0);
(394091.7, 3813115.3, 915.3, 1990.0, 0.0); (394115.0, 3813112.7, 916.7, 1990.0, 0.0);
(394138.2, 3813110.1, 918.5, 1990.0, 0.0); (394161.5, 3813107.5, 920.6, 1990.0, 0.0);
(394184.8, 3813104.9, 922.7, 1990.0, 0.0); (394208.1, 3813102.4, 924.4, 1990.0, 0.0);
(394231.3, 3813099.8, 925.8, 1990.0, 0.0); (394254.6, 3813097.2, 927.1, 1990.0, 0.0);
(394277.9, 3813094.6, 928.4, 1990.0, 0.0); (394301.2, 3813092.0, 929.9, 1990.0, 0.0);
(394324.5, 3813089.5, 931.6, 1990.0, 0.0); (394347.7, 3813086.9, 932.4, 1990.0, 0.0);
(394371.0, 3813084.3, 933.2, 1990.0, 0.0); (394394.3, 3813081.7, 934.9, 1990.0, 0.0);
(394417.6, 3813079.1, 936.5, 1990.0, 0.0); (394440.8, 3813076.6, 938.3, 1990.0, 0.0);
(394464.1, 3813074.0, 941.0, 1990.0, 0.0); (394487.4, 3813071.4, 943.0, 1990.0, 0.0);
(394510.7, 3813068.8, 944.6, 1990.0, 0.0); (394534.0, 3813066.2, 946.0, 1990.0, 0.0);
(394557.2, 3813063.6, 948.2, 1990.0, 0.0); (394580.5, 3813061.1, 950.1, 1990.0, 0.0);
(394603.8, 3813058.5, 952.1, 1990.0, 0.0); (394627.0, 3813055.9, 953.7, 1990.0, 0.0);
(394650.3, 3813053.3, 955.7, 1990.0, 0.0); (394673.6, 3813050.7, 958.1, 1990.0, 0.0);
(394696.9, 3813048.2, 960.4, 1990.0, 0.0); (394720.2, 3813045.6, 962.7, 1990.0, 0.0);
(394743.4, 3813043.0, 965.0, 1990.0, 0.0); (394766.7, 3813040.4, 966.8, 1990.0, 0.0);
(394790.0, 3813037.8, 968.0, 1990.0, 0.0); (394813.3, 3813035.3, 969.3, 1990.0, 0.0);
(394836.5, 3813032.7, 971.7, 1990.0, 0.0); (394859.8, 3813030.1, 974.7, 1990.0, 0.0);

(394883.1, 3813027.5, 977.4, 1990.0, 0.0); (394906.4, 3813024.9, 979.7, 1990.0, 0.0);
(395348.6, 3812975.9, 1028.1, 1990.0, 0.0); (395371.9, 3812973.3, 1035.6, 1990.0, 0.0);
(395395.2, 3812970.7, 1041.7, 1990.0, 0.0); (395418.5, 3812968.1, 1044.8, 1990.0, 0.0);
(395441.7, 3812965.6, 1041.1, 1990.0, 0.0); (395465.0, 3812963.0, 1038.3, 1990.0, 0.0);
(395488.3, 3812960.4, 1033.2, 1990.0, 0.0); (395511.6, 3812957.8, 1031.1, 1990.0, 0.0);
(395534.8, 3812955.2, 1037.5, 1990.0, 0.0); (395558.1, 3812952.7, 1045.7, 1990.0, 0.0);
(395581.4, 3812950.1, 1048.5, 1990.0, 0.0); (395604.7, 3812947.5, 1043.8, 1990.0, 0.0);
(391083.4, 3815961.9, 868.9, 1981.2, 0.0); (391082.6, 3815985.4, 872.1, 1958.8, 0.0);
(391081.8, 3816008.8, 876.4, 1939.6, 0.0); (391081.1, 3816032.3, 882.3, 1939.6, 0.0);
(391080.3, 3816055.8, 890.3, 1939.6, 0.0); (391079.5, 3816079.3, 897.1, 1440.1, 0.0);
(391078.7, 3816102.7, 901.0, 1438.8, 0.0); (391077.9, 3816126.2, 900.3, 1440.1, 0.0);
(391077.1, 3816149.7, 897.7, 1440.1, 0.0); (391076.3, 3816173.2, 898.7, 1440.1, 0.0);
(391075.6, 3816196.6, 902.4, 1440.1, 0.0); (391074.8, 3816220.1, 907.7, 1440.1, 0.0);
(391074.0, 3816243.6, 909.6, 1440.1, 0.0); (390595.1, 3815924.8, 854.4, 1981.2, 0.0);
(390606.5, 3815904.4, 854.2, 1981.2, 0.0); (390617.8, 3815884.0, 853.8, 1985.1, 0.0);
(390629.2, 3815863.6, 852.3, 1989.0, 0.0); (390640.6, 3815843.2, 850.7, 1990.0, 0.0);
(390652.0, 3815822.8, 848.7, 1990.0, 0.0); (390663.4, 3815802.5, 847.0, 1990.0, 0.0);
(390674.8, 3815782.1, 846.7, 1990.0, 0.0); (390686.1, 3815761.7, 846.8, 1990.0, 0.0);
(390697.5, 3815741.3, 848.0, 1990.0, 0.0); (390708.9, 3815720.9, 849.2, 1990.0, 0.0);
(390720.3, 3815700.5, 847.9, 1990.0, 0.0); (390731.6, 3815680.1, 846.1, 1990.0, 0.0);
(390743.0, 3815659.7, 845.4, 1990.0, 0.0); (390754.4, 3815639.3, 845.8, 1990.0, 0.0);
(390765.8, 3815619.0, 845.4, 1990.0, 0.0); (390777.2, 3815598.6, 845.6, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(390788.5, 3815578.2, 845.9, 1990.0, 0.0); (390799.9, 3815557.8, 845.0, 1990.0, 0.0);
(390811.3, 3815537.4, 843.6, 1990.0, 0.0); (390822.7, 3815517.0, 843.3, 1990.0, 0.0);
(390834.1, 3815496.6, 843.0, 1990.0, 0.0); (390845.5, 3815476.2, 840.7, 1990.0, 0.0);
(390856.8, 3815455.8, 838.8, 1990.0, 0.0); (390868.2, 3815435.5, 837.7, 1990.0, 0.0);
(390879.6, 3815415.1, 837.1, 1990.0, 0.0); (390891.0, 3815394.7, 836.8, 1990.0, 0.0);
(390902.4, 3815374.3, 837.5, 1990.0, 0.0); (390913.7, 3815353.9, 839.1, 1990.0, 0.0);
(390925.1, 3815333.5, 840.6, 1990.0, 0.0); (390936.5, 3815313.1, 840.4, 1990.0, 0.0);
(390947.9, 3815292.7, 839.2, 1990.0, 0.0); (390959.3, 3815272.3, 837.6, 1990.0, 0.0);
(390970.6, 3815252.0, 837.3, 1990.0, 0.0); (390982.0, 3815231.6, 836.7, 1990.0, 0.0);
(390993.4, 3815211.2, 838.8, 1990.0, 0.0); (391004.8, 3815190.8, 840.1, 1990.0, 0.0);
(391016.2, 3815170.4, 840.8, 1990.0, 0.0); (391027.5, 3815150.0, 841.1, 1990.0, 0.0);
(391038.9, 3815129.6, 841.5, 1990.0, 0.0); (391050.3, 3815109.2, 841.7, 1990.0, 0.0);
(391061.7, 3815088.8, 841.8, 1990.0, 0.0); (391073.1, 3815068.5, 840.5, 1990.0, 0.0);
(391084.5, 3815048.1, 837.4, 1990.0, 0.0); (391095.8, 3815027.7, 836.9, 1990.0, 0.0);
(391107.2, 3815007.3, 836.6, 1990.0, 0.0); (391118.6, 3814986.9, 836.2, 1990.0, 0.0);
(391130.0, 3814966.5, 836.6, 1990.0, 0.0); (391141.3, 3814946.1, 836.8, 1990.0, 0.0);
(391152.7, 3814925.7, 836.4, 1990.0, 0.0); (391164.1, 3814905.3, 836.9, 1990.0, 0.0);
(391175.5, 3814885.0, 837.3, 1990.0, 0.0); (391186.9, 3814864.6, 837.6, 1990.0, 0.0);
(391198.2, 3814844.2, 837.5, 1990.0, 0.0); (391209.6, 3814823.8, 837.5, 1990.0, 0.0);
(391221.0, 3814803.4, 837.5, 1990.0, 0.0); (391232.4, 3814783.0, 837.6, 1990.0, 0.0);
(391243.8, 3814762.6, 837.8, 1990.0, 0.0); (391255.2, 3814742.2, 837.9, 1990.0, 0.0);
(391266.5, 3814721.8, 837.9, 1990.0, 0.0); (391277.9, 3814701.5, 838.0, 1990.0, 0.0);

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     ( 391289.3, 3814681.1,     837.8,    1990.0,       0.0);         ( 391300.7,
3814660.7,     837.9,    1990.0,       0.0);
     ( 391312.1, 3814640.3,     838.1,    1990.0,       0.0);         ( 391323.4,
3814619.9,     838.4,    1990.0,       0.0);
     ( 391334.8, 3814599.5,     838.5,    1990.0,       0.0);         ( 391346.2,
3814579.1,     838.4,    1990.0,       0.0);
     ( 391357.6, 3814558.7,     838.2,    1990.0,       0.0);         ( 391369.0,
3814538.3,     838.0,    1990.0,       0.0);
     ( 391380.3, 3814518.0,     838.0,    1990.0,       0.0);         ( 391391.7,
3814497.6,     838.2,    1990.0,       0.0);
     ( 391403.1, 3814477.2,     838.5,    1990.0,       0.0);         ( 391414.5,
3814456.8,     839.0,    1990.0,       0.0);
     ( 391425.9, 3814436.4,     840.7,    1990.0,       0.0);         ( 391437.2,
3814416.0,     841.8,    1990.0,       0.0);
     ( 391448.6, 3814395.6,     843.5,    1990.0,       0.0);         ( 391460.0,
3814375.2,     846.1,    1990.0,       0.0);
     ( 391471.4, 3814354.9,     847.7,    1990.0,       0.0);         ( 391482.8,
3814334.5,     849.4,    1990.0,       0.0);
     ( 391494.1, 3814314.1,     850.0,    1990.0,       0.0);         ( 391505.5,
3814293.7,     851.6,    1990.0,       0.0);
     ( 391516.9, 3814273.3,     853.5,    1990.0,       0.0);         ( 391528.3,
3814252.9,     854.8,    1990.0,       0.0);
     ( 391539.7, 3814232.5,     856.0,    1990.0,       0.0);         ( 391551.0,
3814212.1,     856.1,    1990.0,       0.0);
     ( 391562.4, 3814191.8,     858.9,    1990.0,       0.0);         ( 391573.8,
3814171.4,     861.3,    1990.0,       0.0);
     ( 391585.2, 3814151.0,     863.7,    1990.0,       0.0);         ( 391596.6,
3814130.6,     865.2,    1990.0,       0.0);
     ( 391608.0, 3814110.2,     866.8,    1990.0,       0.0);         ( 391619.3,
3814089.8,     871.0,    1990.0,       0.0);
     ( 391630.7, 3814069.4,     876.3,    1990.0,       0.0);         ( 391642.1,
3814049.0,     881.2,    1990.0,       0.0);
     ( 391653.5, 3814028.6,     885.2,    1990.0,       0.0);         ( 391664.8,
3814008.2,     892.0,    1990.0,       0.0);
     ( 391676.2, 3813987.9,     899.1,    1990.0,       0.0);         ( 391687.6,
3813967.5,     908.5,    1990.0,       0.0);
     ( 391699.0, 3813947.1,     919.5,    1990.0,       0.0);         ( 391710.4,
3813926.7,     932.5,    1990.0,       0.0);
     ( 391721.8, 3813906.3,     945.5,    1990.0,       0.0);         ( 391733.1,
3813885.9,     957.4,    1990.0,       0.0);
     ( 391744.5, 3813865.5,     963.0,    1990.0,       0.0);         ( 391755.9,
3813845.1,     961.0,    1990.0,       0.0);
     ( 391767.3, 3813824.8,     953.3,    1990.0,       0.0);         ( 391778.7,
3813804.4,     945.9,    1990.0,       0.0);
     ( 391790.0, 3813784.0,     937.3,    1990.0,       0.0);         ( 391801.4,
3813763.6,     932.7,    1990.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                        ***       09:14:47
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(391812.8, 3813743.2, 931.7, 1990.0, 0.0); (391824.2, 3813722.8, 938.5, 1990.0, 0.0);
(391835.6, 3813702.4, 941.4, 1990.0, 0.0); (391846.9, 3813682.0, 942.7, 1990.0, 0.0);
(391858.3, 3813661.6, 941.5, 1990.0, 0.0); (391869.7, 3813641.2, 944.1, 1990.0, 0.0);
(391881.1, 3813620.9, 948.9, 1990.0, 0.0); (391892.5, 3813600.5, 953.8, 1990.0, 0.0);
(391903.8, 3813580.1, 953.7, 1990.0, 0.0); (391915.2, 3813559.7, 949.5, 1990.0, 0.0);
(391926.6, 3813539.3, 951.3, 1990.0, 0.0); (391938.0, 3813518.9, 951.0, 1990.0, 0.0);
(391949.4, 3813498.5, 946.8, 1990.0, 0.0); (391960.8, 3813478.1, 954.6, 1990.0, 0.0);
(391972.1, 3813457.8, 965.0, 1990.0, 0.0); (391983.5, 3813437.4, 976.8, 1990.0, 0.0);
(391994.9, 3813417.0, 984.1, 1990.0, 0.0); (392006.3, 3813396.6, 988.0, 1990.0, 0.0);
(392017.6, 3813376.2, 986.1, 1990.0, 0.0); (392029.0, 3813355.8, 982.0, 1990.0, 0.0);
(392040.4, 3813335.4, 981.2, 1990.0, 0.0); (392051.8, 3813315.0, 987.2, 1990.0, 0.0);
(392063.2, 3813294.6, 986.2, 1990.0, 0.0); (392074.5, 3813274.2, 980.1, 1990.0, 0.0);
(392085.9, 3813253.9, 976.8, 1990.0, 0.0); (392097.3, 3813233.5, 974.1, 1990.0, 0.0);
(392108.7, 3813213.1, 970.9, 1990.0, 0.0); (392120.1, 3813192.7, 972.8, 1990.0, 0.0);
(392131.5, 3813172.3, 972.0, 1990.0, 0.0); (392142.8, 3813151.9, 972.8, 1990.0, 0.0);
(392154.2, 3813131.5, 982.9, 1990.0, 0.0); (392165.6, 3813111.1, 994.0, 1990.0, 0.0);
(392177.0, 3813090.8, 1005.5, 1990.0, 0.0); (392188.4, 3813070.4, 1015.2, 1990.0, 0.0);
(392199.7, 3813050.0, 1021.5, 1990.0, 0.0); (392211.1, 3813029.6, 1027.5, 1990.0, 0.0);
(392222.5, 3813009.2, 1026.0, 1990.0, 0.0); (392233.9, 3812988.8, 1023.6, 1990.0, 0.0);
(392245.3, 3812968.4, 1013.5, 1990.0, 0.0); (392256.6, 3812948.0, 1003.7, 1990.0, 0.0);
(392268.0, 3812927.6, 994.1, 1990.0, 0.0); (392279.4, 3812907.2, 983.0, 1990.0, 0.0);

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     ( 392290.8, 3812886.9,     982.4,    1990.0,       0.0);         ( 392325.4,
3812863.9,     995.3,    1990.0,       0.0);
     ( 392348.6, 3812861.3,    1006.5,    1990.0,       0.0);         ( 392371.8,
3812858.8,    1017.1,    1990.0,       0.0);
     ( 392395.0, 3812856.2,    1026.5,    1990.0,       0.0);         ( 392418.2,
3812853.6,    1035.9,    1990.0,       0.0);
     ( 392441.4, 3812851.0,    1044.1,    1990.0,       0.0);         ( 392464.6,
3812848.5,    1048.6,    1990.0,       0.0);
     ( 392487.8, 3812845.9,    1050.6,    1990.0,       0.0);         ( 392511.0,
3812843.3,    1049.6,    1990.0,       0.0);
     ( 392534.2, 3812840.7,    1051.3,    1990.0,       0.0);         ( 392557.5,
3812838.2,    1054.7,    1990.0,       0.0);
     ( 392580.6, 3812835.6,    1057.5,    1990.0,       0.0);         ( 392603.9,
3812833.0,    1063.2,    1990.0,       0.0);
     ( 392627.1, 3812830.4,    1068.8,    1990.0,       0.0);         ( 392650.3,
3812827.9,    1074.6,    1990.0,       0.0);
     ( 392673.5, 3812825.3,    1084.8,    1990.0,       0.0);         ( 392696.7,
3812822.7,    1098.3,    1990.0,       0.0);
     ( 392719.9, 3812820.2,    1108.2,    1990.0,       0.0);         ( 392743.1,
3812817.6,    1108.0,    1990.0,       0.0);
     ( 392766.3, 3812815.0,    1112.9,    1990.0,       0.0);         ( 392789.5,
3812812.4,    1118.1,    1990.0,       0.0);
     ( 392812.7, 3812809.9,    1122.7,    1990.0,       0.0);         ( 392835.9,
3812807.3,    1122.1,    1990.0,       0.0);
     ( 392859.1, 3812804.7,    1120.4,    1990.0,       0.0);         ( 392882.3,
3812802.1,    1117.0,    1990.0,       0.0);
     ( 392905.6, 3812799.6,    1112.7,    1990.0,       0.0);         ( 392928.8,
3812797.0,    1112.3,    1990.0,       0.0);
     ( 392952.0, 3812794.4,    1114.4,    1990.0,       0.0);         ( 392975.2,
3812791.8,    1107.5,    1990.0,       0.0);
     ( 392998.4, 3812789.3,    1097.2,    1990.0,       0.0);         ( 393021.6,
3812786.7,    1091.6,    1990.0,       0.0);
     ( 393044.8, 3812784.1,    1086.4,    1990.0,       0.0);         ( 393068.0,
3812781.5,    1080.2,    1990.0,       0.0);
     ( 393091.2, 3812779.0,    1079.5,    1990.0,       0.0);         ( 393114.4,
3812776.4,    1080.3,    1990.0,       0.0);
     ( 393137.6, 3812773.8,    1080.0,    1990.0,       0.0);         ( 393160.8,
3812771.3,    1076.4,    1990.0,       0.0);
     ( 393184.0, 3812768.7,    1073.0,    1990.0,       0.0);         ( 393207.3,
3812766.1,    1072.1,    1990.0,       0.0);
     ( 393230.5, 3812763.5,    1066.4,    1990.0,       0.0);         ( 393253.7,
3812761.0,    1063.9,    1990.0,       0.0);
     ( 393276.9, 3812758.4,    1053.6,    1990.0,       0.0);         ( 393300.1,
3812755.8,    1053.1,    1990.0,       0.0);
     ( 393323.3, 3812753.2,    1053.7,    1990.0,       0.0);         ( 393346.5,
3812750.7,    1060.7,    1990.0,       0.0);
     ( 393369.7, 3812748.1,    1068.4,    1990.0,       0.0);         ( 393392.9,
3812745.5,    1075.1,    1990.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(393416.1, 3812742.9, 1077.2, 1990.0, 0.0); (393439.3, 3812740.4, 1074.7, 1990.0, 0.0);
(393462.5, 3812737.8, 1072.8, 1990.0, 0.0); (393485.8, 3812735.2, 1074.3, 1990.0, 0.0);
(393509.0, 3812732.7, 1071.9, 1990.0, 0.0); (393532.2, 3812730.1, 1066.7, 1990.0, 0.0);
(393555.4, 3812727.5, 1064.2, 1990.0, 0.0); (393578.6, 3812724.9, 1054.7, 1990.0, 0.0);
(393601.8, 3812722.4, 1043.4, 1990.0, 0.0); (393625.0, 3812719.8, 1036.2, 1990.0, 0.0);
(393648.2, 3812717.2, 1029.6, 1990.0, 0.0); (393671.4, 3812714.6, 1020.7, 1990.0, 0.0);
(393694.6, 3812712.1, 1012.6, 1990.0, 0.0); (393717.8, 3812709.5, 1006.4, 1990.0, 0.0);
(393741.0, 3812706.9,   999.2, 1990.0, 0.0); (393764.2, 3812704.3,   996.2, 1990.0, 0.0);
(393787.5, 3812701.8,   989.7, 1990.0, 0.0); (393810.7, 3812699.2,   980.6, 1990.0, 0.0);
(393833.9, 3812696.6,   972.3, 1990.0, 0.0); (393857.1, 3812694.1,   963.6, 1990.0, 0.0);
(393880.3, 3812691.5,   956.3, 1990.0, 0.0); (393903.5, 3812688.9,   950.4, 1990.0, 0.0);
(393926.7, 3812686.3,   947.5, 1990.0, 0.0); (393949.9, 3812683.8,   944.8, 1990.0, 0.0);
(393973.1, 3812681.2,   940.1, 1990.0, 0.0); (393996.3, 3812678.6,   935.2, 1990.0, 0.0);
(394019.5, 3812676.0,   928.6, 1990.0, 0.0); (394042.7, 3812673.5,   930.1, 1990.0, 0.0);
(394065.9, 3812670.9,   930.0, 1990.0, 0.0); (394089.1, 3812668.3,   926.7, 1990.0, 0.0);
(394112.4, 3812665.8,   918.6, 1990.0, 0.0); (394135.6, 3812663.2,   910.4, 1990.0, 0.0);
(394158.8, 3812660.6,   906.6, 2060.8, 0.0); (394182.0, 3812658.0,   905.6, 2061.5, 0.0);
(394205.2, 3812655.5,   905.4, 2083.7, 0.0); (394228.4, 3812652.9,   906.8, 2083.7, 0.0);
(394251.6, 3812650.3,   909.5, 2083.7, 0.0); (394274.8, 3812647.7,   911.3, 2083.7, 0.0);
(394298.0, 3812645.2,   918.8, 2060.8, 0.0); (394321.2, 3812642.6,   925.0, 1990.0, 0.0);

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     ( 394344.4, 3812640.0,     929.6,    1990.0,       0.0);         ( 394367.6,
3812637.4,     931.4,    1990.0,       0.0);
     ( 394390.8, 3812634.9,     930.6,    1990.0,       0.0);         ( 394414.1,
3812632.3,     930.5,    1990.0,       0.0);
     ( 394437.3, 3812629.7,     931.6,    1990.0,       0.0);         ( 394460.5,
3812627.1,     934.8,    1990.0,       0.0);
     ( 394483.7, 3812624.6,     940.3,    1990.0,       0.0);         ( 394506.9,
3812622.0,     947.5,    1990.0,       0.0);
     ( 394530.1, 3812619.4,     959.0,    1990.0,       0.0);         ( 394553.3,
3812616.9,     972.0,    1990.0,       0.0);
     ( 394576.5, 3812614.3,     983.8,    1990.0,       0.0);         ( 394599.7,
3812611.7,     991.1,    1990.0,       0.0);
     ( 394622.9, 3812609.1,     993.6,    1990.0,       0.0);         ( 394646.1,
3812606.6,     995.6,    1990.0,       0.0);
     ( 394669.3, 3812604.0,     999.0,    1990.0,       0.0);         ( 394692.5,
3812601.4,     997.2,    1990.0,       0.0);
     ( 394715.8, 3812598.8,     993.8,    1990.0,       0.0);         ( 394739.0,
3812596.3,     992.0,    1990.0,       0.0);
     ( 394762.2, 3812593.7,     987.4,    1990.0,       0.0);         ( 395179.9,
3812547.4,     979.1,    2084.7,       0.0);
     ( 395203.1, 3812544.8,     981.0,    2084.7,       0.0);         ( 395226.3,
3812542.2,     981.9,    2084.7,       0.0);
     ( 395249.5, 3812539.7,     981.8,    2084.7,       0.0);         ( 395272.7,
3812537.1,     981.3,    2084.7,       0.0);
     ( 395296.0, 3812534.5,     983.4,    2084.7,       0.0);         ( 395319.2,
3812531.9,     985.1,    2084.7,       0.0);
     ( 395342.4, 3812529.4,     987.1,    2084.7,       0.0);         ( 395365.6,
3812526.8,     988.4,    2084.7,       0.0);
     ( 395388.8, 3812524.2,     990.7,    2084.7,       0.0);         ( 395412.0,
3812521.6,     993.1,    2084.7,       0.0);
     ( 395435.2, 3812519.1,     994.8,    2084.7,       0.0);         ( 395458.4,
3812516.5,     995.7,    2084.7,       0.0);
     ( 395481.6, 3812513.9,     998.1,    2084.7,       0.0);         ( 395504.8,
3812511.3,    1002.4,    2084.7,       0.0);
     ( 395528.0, 3812508.8,    1006.3,    2084.7,       0.0);         ( 395551.2,
3812506.2,    1008.4,    2084.7,       0.0);
     ( 395574.4, 3812503.6,    1007.1,    2084.7,       0.0);         ( 395597.6,
3812501.1,    1007.8,    2084.7,       0.0);
     ( 395620.9, 3812498.5,    1011.3,    2084.7,       0.0);         ( 395644.1,
3812495.9,    1010.8,    2084.7,       0.0);
     ( 395667.3, 3812493.3,    1010.8,    2084.7,       0.0);         ( 395690.5,
3812490.8,    1013.9,    2084.7,       0.0);
     ( 395713.7, 3812488.2,    1019.1,    2084.7,       0.0);         ( 395736.9,
3812485.6,    1024.2,    2084.7,       0.0);
     ( 395760.1, 3812483.0,    1027.4,    2084.7,       0.0);         ( 395783.3,
3812480.5,    1028.3,    2084.7,       0.0);
     ( 390583.7, 3815945.2,     855.5,    1981.2,       0.0);         ( 390582.9,
3815968.6,     855.3,    1981.2,       0.0);
     ( 390582.1, 3815992.1,     855.0,    1981.2,       0.0);         ( 390581.3,
3816015.6,     855.3,    1981.2,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(390580.6, 3816039.1, 856.8, 1981.2, 0.0); (390579.8, 3816062.5, 857.8, 1981.2, 0.0);
(390579.0, 3816086.0, 858.7, 1958.8, 0.0); (390578.2, 3816109.5, 859.4, 1958.8, 0.0);
(390577.4, 3816133.0, 859.9, 1939.6, 0.0); (390576.6, 3816156.4, 860.6, 1939.6, 0.0);
(390575.8, 3816179.9, 861.2, 1939.6, 0.0); (390575.1, 3816203.4, 861.9, 1939.6, 0.0);
(390574.3, 3816226.8, 862.5, 1939.6, 0.0); (389262.5, 3815880.1, 844.9, 1981.2, 0.0);
(389273.9, 3815859.7, 844.6, 1981.2, 0.0); (389285.3, 3815839.3, 844.2, 1981.2, 0.0);
(389296.7, 3815818.9, 843.6, 1981.2, 0.0); (389308.1, 3815798.5, 842.9, 1985.1, 0.0);
(389319.5, 3815778.0, 842.6, 1987.3, 0.0); (389330.9, 3815757.6, 842.0, 1990.0, 0.0);
(389342.3, 3815737.2, 843.5, 1990.0, 0.0); (389353.7, 3815716.8, 846.3, 1990.0, 0.0);
(389365.1, 3815696.4, 847.4, 1990.0, 0.0); (389376.5, 3815676.0, 848.2, 1990.0, 0.0);
(389387.9, 3815655.5, 846.2, 1990.0, 0.0); (389399.3, 3815635.1, 845.5, 1990.0, 0.0);
(389410.7, 3815614.7, 846.2, 1990.0, 0.0); (389422.1, 3815594.3, 847.1, 1990.0, 0.0);
(389433.5, 3815573.9, 846.8, 1990.0, 0.0); (389444.9, 3815553.4, 845.5, 1990.0, 0.0);
(389456.3, 3815533.0, 845.1, 1990.0, 0.0); (389467.7, 3815512.6, 843.8, 1990.0, 0.0);
(389479.1, 3815492.2, 841.4, 1990.0, 0.0); (389490.5, 3815471.8, 839.9, 1990.0, 0.0);
(389501.8, 3815451.4, 838.7, 1990.0, 0.0); (389513.2, 3815430.9, 837.5, 1990.0, 0.0);
(389524.6, 3815410.5, 836.2, 1990.0, 0.0); (389536.0, 3815390.1, 835.4, 1990.0, 0.0);
(389547.4, 3815369.7, 835.6, 1990.0, 0.0); (389558.8, 3815349.3, 835.2, 1990.0, 0.0);
(389570.2, 3815328.8, 834.9, 1990.0, 0.0); (389581.6, 3815308.4, 834.8, 1990.0, 0.0);

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    ( 389593.0, 3815288.0,     835.2,    1990.0,       0.0);         ( 389604.4,
3815267.6,     835.0,    1990.0,       0.0);
    ( 389615.8, 3815247.2,     834.4,    1990.0,       0.0);         ( 389627.2,
3815226.8,     834.1,    1990.0,       0.0);
    ( 389638.6, 3815206.3,     833.8,    1990.0,       0.0);         ( 389650.0,
3815185.9,     833.7,    1990.0,       0.0);
    ( 389661.4, 3815165.5,     833.7,    1990.0,       0.0);         ( 389672.8,
3815145.1,     833.7,    1990.0,       0.0);
    ( 389684.2, 3815124.7,     834.1,    1990.0,       0.0);         ( 389695.6,
3815104.2,     833.1,    1990.0,       0.0);
    ( 389707.0, 3815083.8,     832.5,    1990.0,       0.0);         ( 389718.4,
3815063.4,     831.5,    1990.0,       0.0);
    ( 389729.8, 3815043.0,     832.7,    1990.0,       0.0);         ( 389741.2,
3815022.6,     833.4,    1990.0,       0.0);
    ( 389752.6, 3815002.2,     831.2,    1990.0,       0.0);         ( 389764.0,
3814981.7,     830.9,    1990.0,       0.0);
    ( 389775.4, 3814961.3,     830.2,    1990.0,       0.0);         ( 389786.8,
3814940.9,     829.4,    1990.0,       0.0);
    ( 389798.2, 3814920.5,     829.5,    1990.0,       0.0);         ( 389809.6,
3814900.1,     829.7,    1990.0,       0.0);
    ( 389821.0, 3814879.6,     830.2,    1990.0,       0.0);         ( 389832.4,
3814859.2,     829.4,    1990.0,       0.0);
    ( 389843.8, 3814838.8,     829.4,    1990.0,       0.0);         ( 389855.2,
3814818.4,     829.6,    1990.0,       0.0);
    ( 389866.6, 3814798.0,     829.6,    1990.0,       0.0);         ( 389878.0,
3814777.6,     829.6,    1990.0,       0.0);
    ( 389889.3, 3814757.1,     826.4,    1990.0,       0.0);         ( 389900.8,
3814736.7,     825.5,    1990.0,       0.0);
    ( 389912.1, 3814716.3,     824.9,    1990.0,       0.0);         ( 389923.5,
3814695.9,     824.0,    1990.0,       0.0);
    ( 389934.9, 3814675.5,     823.6,    1990.0,       0.0);         ( 389946.3,
3814655.0,     823.7,    1990.0,       0.0);
    ( 389957.7, 3814634.6,     823.8,    1990.0,       0.0);         ( 389969.1,
3814614.2,     823.7,    1990.0,       0.0);
    ( 389980.5, 3814593.8,     823.4,    1990.0,       0.0);         ( 389991.9,
3814573.4,     823.5,    1990.0,       0.0);
    ( 390003.3, 3814553.0,     823.7,    1990.0,       0.0);         ( 390014.7,
3814532.5,     824.0,    1990.0,       0.0);
    ( 390026.1, 3814512.1,     823.6,    1990.0,       0.0);         ( 390037.5,
3814491.7,     823.5,    1990.0,       0.0);
    ( 390048.9, 3814471.3,     823.7,    1990.0,       0.0);         ( 390060.3,
3814450.9,     823.5,    1990.0,       0.0);
    ( 390071.7, 3814430.4,     823.3,    1990.0,       0.0);         ( 390083.1,
3814410.0,     823.2,    1990.0,       0.0);
    ( 390094.5, 3814389.6,     823.0,    1990.0,       0.0);         ( 390105.9,
3814369.2,     823.0,    1990.0,       0.0);
    ( 390117.3, 3814348.8,     821.7,    1990.0,       0.0);         ( 390128.7,
3814328.3,     821.9,    1990.0,       0.0);
    ( 390140.1, 3814307.9,     821.4,    1990.0,       0.0);         ( 390151.5,
3814287.5,     819.9,    1990.0,       0.0);
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(390162.9, 3814267.1, 819.2, 1990.0, 0.0); (390174.3, 3814246.7, 819.1, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(390185.7, 3814226.3, 819.2, 1990.0, 0.0); (390197.1, 3814205.8, 819.4, 1990.0, 0.0);
(390208.5, 3814185.4, 819.6, 1990.0, 0.0); (390219.9, 3814165.0, 819.2, 1990.0, 0.0);
(390231.3, 3814144.6, 819.1, 1990.0, 0.0); (390242.7, 3814124.2, 819.0, 1990.0, 0.0);
(390254.1, 3814103.8, 818.6, 1990.0, 0.0); (390265.5, 3814083.3, 818.3, 1990.0, 0.0);
(390276.8, 3814062.9, 818.0, 1990.0, 0.0); (390288.2, 3814042.5, 817.7, 1990.0, 0.0);
(390299.6, 3814022.1, 817.6, 1990.0, 0.0); (390311.0, 3814001.7, 817.5, 1990.0, 0.0);
(390322.4, 3813981.2, 817.4, 1990.0, 0.0); (390333.8, 3813960.8, 817.0, 1990.0, 0.0);
(390345.2, 3813940.4, 816.6, 1990.0, 0.0); (390356.6, 3813920.0, 816.2, 1990.0, 0.0);
(390368.0, 3813899.6, 815.9, 1990.0, 0.0); (390379.4, 3813879.1, 815.5, 1990.0, 0.0);
(390390.8, 3813858.7, 815.2, 1990.0, 0.0); (390402.2, 3813838.3, 814.6, 1990.0, 0.0);
(390413.6, 3813817.9, 814.2, 1990.0, 0.0); (390425.0, 3813797.5, 813.8, 1990.0, 0.0);
(390436.4, 3813777.1, 813.5, 1990.0, 0.0); (390447.8, 3813756.6, 813.4, 1990.0, 0.0);
(390459.2, 3813736.2, 813.1, 1990.0, 0.0); (390470.6, 3813715.8, 812.8, 1990.0, 0.0);
(390482.0, 3813695.4, 812.5, 1990.0, 0.0); (390493.4, 3813675.0, 812.3, 1990.0, 0.0);
(390504.8, 3813654.5, 812.0, 1990.0, 0.0); (390516.2, 3813634.1, 811.7, 1990.0, 0.0);
(390527.6, 3813613.7, 811.5, 1990.0, 0.0); (390539.0, 3813593.3, 812.4, 1990.0, 0.0);
(390550.4, 3813572.9, 817.1, 1990.0, 0.0); (390561.8, 3813552.5, 821.2, 1990.0, 0.0);
(390573.2, 3813532.0, 822.6, 1990.0, 0.0); (390584.6, 3813511.6, 821.9, 1990.0, 0.0);

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     ( 390596.0, 3813491.2,     825.0,    1990.0,       0.0);         ( 390607.4,
3813470.8,     827.5,    1990.0,       0.0);
     ( 390618.8, 3813450.4,     828.2,    1990.0,       0.0);         ( 390630.2,
3813429.9,     828.7,    1990.0,       0.0);
     ( 390641.5, 3813409.5,     826.9,    1990.0,       0.0);         ( 390653.0,
3813389.1,     821.5,    1990.0,       0.0);
     ( 390664.3, 3813368.7,     820.8,    1990.0,       0.0);         ( 390675.8,
3813348.3,     819.4,    1990.0,       0.0);
     ( 390687.1, 3813327.9,     818.2,    1990.0,       0.0);         ( 390698.5,
3813307.4,     822.0,    1990.0,       0.0);
     ( 390709.9, 3813287.0,     826.4,    1990.0,       0.0);         ( 390721.3,
3813266.6,     830.3,    1990.0,       0.0);
     ( 390732.7, 3813246.2,     836.9,    1990.0,       0.0);         ( 390744.1,
3813225.8,     840.8,    1990.0,       0.0);
     ( 390755.5, 3813205.3,     847.1,    1990.0,       0.0);         ( 390766.9,
3813184.9,     852.6,    1990.0,       0.0);
     ( 390778.3, 3813164.5,     860.6,    1990.0,       0.0);         ( 390789.7,
3813144.1,     868.6,    1990.0,       0.0);
     ( 390801.1, 3813123.7,     879.1,    1990.0,       0.0);         ( 390812.5,
3813103.3,     891.2,    1990.0,       0.0);
     ( 390823.9, 3813082.8,     904.7,    1990.0,       0.0);         ( 390835.3,
3813062.4,     916.4,    1990.0,       0.0);
     ( 390846.7, 3813042.0,     926.8,    1990.0,       0.0);         ( 390858.1,
3813021.6,     937.2,    1990.0,       0.0);
     ( 390869.5, 3813001.2,     943.8,    1990.0,       0.0);         ( 390880.9,
3812980.8,     949.2,    1990.0,       0.0);
     ( 390892.3, 3812960.3,     954.3,    1990.0,       0.0);         ( 390903.7,
3812939.9,     961.2,    1990.0,       0.0);
     ( 390915.1, 3812919.5,     967.4,    1990.0,       0.0);         ( 390926.5,
3812899.1,     972.4,    1990.0,       0.0);
     ( 390937.9, 3812878.6,     969.6,    1990.0,       0.0);         ( 390949.3,
3812858.2,     968.7,    1990.0,       0.0);
     ( 390960.7, 3812837.8,     968.8,    1990.0,       0.0);         ( 390972.1,
3812817.4,     971.0,    1990.0,       0.0);
     ( 390983.5, 3812797.0,     972.9,    1990.0,       0.0);         ( 390994.9,
3812776.6,     974.2,    1990.0,       0.0);
     ( 391006.3, 3812756.1,     976.8,    1990.0,       0.0);         ( 391017.7,
3812735.7,     981.8,    1990.0,       0.0);
     ( 391029.0, 3812715.3,     988.4,    1990.0,       0.0);         ( 391040.5,
3812694.9,     993.2,    1990.0,       0.0);
     ( 391051.8, 3812674.5,     994.7,    1990.0,       0.0);         ( 391063.2,
3812654.0,     990.7,    1990.0,       0.0);
     ( 391074.6, 3812633.6,     985.8,    1990.0,       0.0);         ( 391086.0,
3812613.2,     977.7,    1990.0,       0.0);
     ( 391097.4, 3812592.8,     972.3,    1990.0,       0.0);         ( 391108.8,
3812572.4,     967.4,    1990.0,       0.0);
     ( 391120.2, 3812552.0,     957.7,    1990.0,       0.0);         ( 391131.6,
3812531.5,     949.4,    1990.0,       0.0);
     ( 391143.0, 3812511.1,     948.9,    1990.0,       0.0);         ( 391154.4,
3812490.7,     953.6,    1990.0,       0.0);
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(391165.8, 3812470.3, 963.9, 1990.0, 0.0); (391177.2, 3812449.9, 976.8, 1990.0, 0.0);
(391188.6, 3812429.4, 989.2, 1990.0, 0.0); (391200.0, 3812409.0, 1000.7, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(391211.4, 3812388.6, 1005.9, 1990.0, 0.0); (391222.8, 3812368.2, 998.8, 1990.0, 0.0);
(391234.2, 3812347.8, 993.5, 1990.0, 0.0); (391245.6, 3812327.4, 992.8, 1990.0, 0.0);
(391257.0, 3812306.9, 991.8, 1990.0, 0.0); (391268.4, 3812286.5, 991.7, 1990.0, 0.0);
(391279.8, 3812266.1, 995.3, 1990.0, 0.0); (391291.2, 3812245.7, 998.9, 1990.0, 0.0);
(391302.6, 3812225.3, 990.6, 1990.0, 0.0); (391314.0, 3812204.8, 978.3, 1990.0, 0.0);
(391325.4, 3812184.4, 967.2, 1990.0, 0.0); (391336.8, 3812164.0, 958.1, 1990.0, 0.0);
(391348.2, 3812143.6, 949.0, 1990.0, 0.0); (391359.6, 3812123.2, 941.1, 1990.0, 0.0);
(391371.0, 3812102.8, 938.0, 1990.0, 0.0); (391382.4, 3812082.3, 934.5, 1990.0, 0.0);
(391393.8, 3812061.9, 932.5, 1990.0, 0.0); (391405.1, 3812041.5, 926.2, 1990.0, 0.0);
(391416.5, 3812021.1, 917.5, 1990.0, 0.0); (391428.0, 3812000.7, 911.4, 1990.0, 0.0);
(391439.3, 3811980.2, 907.0, 1990.0, 0.0); (391450.7, 3811959.8, 903.2, 1990.0, 0.0);
(391462.1, 3811939.4, 901.2, 1990.0, 0.0); (391473.5, 3811919.0, 896.0, 1990.0, 0.0);
(391484.9, 3811898.6, 891.6, 1990.0, 0.0); (391496.3, 3811878.2, 895.7, 1990.0, 0.0);
(391507.7, 3811857.7, 899.9, 1990.0, 0.0); (391519.1, 3811837.3, 899.8, 1990.0, 0.0);
(391530.5, 3811816.9, 894.9, 1990.0, 0.0); (391541.9, 3811796.5, 888.4, 1990.0, 0.0);
(391553.3, 3811776.1, 882.8, 1990.0, 0.0); (391588.0, 3811753.1, 885.6, 1990.0, 0.0);
(391611.2, 3811750.5, 886.2, 1990.0, 0.0); (391634.4, 3811747.9, 886.4, 1990.0, 0.0);

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    ( 391657.7, 3811745.3,     885.0,    1990.0,       0.0);         ( 391680.9,
3811742.8,     881.2,    1990.0,       0.0);
    ( 391704.2, 3811740.2,     881.9,    1990.0,       0.0);         ( 391727.4,
3811737.6,     885.8,    1990.0,       0.0);
    ( 391750.6, 3811735.0,     890.0,    1990.0,       0.0);         ( 391773.9,
3811732.4,     897.5,    1990.0,       0.0);
    ( 391797.1, 3811729.9,     906.9,    1990.0,       0.0);         ( 391820.4,
3811727.3,     913.9,    1990.0,       0.0);
    ( 391843.6, 3811724.7,     915.1,    1990.0,       0.0);         ( 391866.8,
3811722.1,     913.5,    1990.0,       0.0);
    ( 391890.1, 3811719.6,     911.1,    1990.0,       0.0);         ( 391913.3,
3811717.0,     909.3,    1990.0,       0.0);
    ( 391936.6, 3811714.4,     911.0,    1990.0,       0.0);         ( 391959.8,
3811711.8,     911.8,    1990.0,       0.0);
    ( 391983.1, 3811709.3,     913.0,    1990.0,       0.0);         ( 392006.3,
3811706.7,     914.1,    1990.0,       0.0);
    ( 392029.5, 3811704.1,     915.3,    1990.0,       0.0);         ( 392052.8,
3811701.5,     916.8,    1990.0,       0.0);
    ( 392076.0, 3811698.9,     918.3,    1990.0,       0.0);         ( 392099.3,
3811696.4,     919.7,    1990.0,       0.0);
    ( 392122.5, 3811693.8,     921.2,    1990.0,       0.0);         ( 392145.7,
3811691.2,     923.0,    1990.0,       0.0);
    ( 392169.0, 3811688.6,     923.1,    1990.0,       0.0);         ( 392192.2,
3811686.1,     924.1,    1990.0,       0.0);
    ( 392215.5, 3811683.5,     926.2,    1990.0,       0.0);         ( 392238.7,
3811680.9,     927.8,    1990.0,       0.0);
    ( 392262.0, 3811678.3,     928.9,    1990.0,       0.0);         ( 392285.2,
3811675.8,     933.0,    1990.0,       0.0);
    ( 392308.4, 3811673.2,     937.2,    1990.0,       0.0);         ( 392331.7,
3811670.6,     941.2,    1990.0,       0.0);
    ( 392354.9, 3811668.0,     944.3,    1990.0,       0.0);         ( 392378.2,
3811665.4,     944.8,    1990.0,       0.0);
    ( 392401.4, 3811662.9,     943.9,    1990.0,       0.0);         ( 392424.6,
3811660.3,     942.4,    1990.0,       0.0);
    ( 392447.9, 3811657.7,     943.4,    1990.0,       0.0);         ( 392471.1,
3811655.1,     945.5,    1990.0,       0.0);
    ( 392494.4, 3811652.6,     946.9,    1990.0,       0.0);         ( 392517.6,
3811650.0,     948.1,    1990.0,       0.0);
    ( 392540.8, 3811647.4,     949.7,    1990.0,       0.0);         ( 392564.1,
3811644.8,     951.4,    1990.0,       0.0);
    ( 392587.3, 3811642.2,     952.1,    1990.0,       0.0);         ( 392610.6,
3811639.7,     952.2,    1990.0,       0.0);
    ( 392633.8, 3811637.1,     952.8,    1990.0,       0.0);         ( 392657.0,
3811634.5,     953.0,    1990.0,       0.0);
    ( 392680.3, 3811631.9,     954.0,    1990.0,       0.0);         ( 392703.5,
3811629.4,     955.9,    1990.0,       0.0);
    ( 392726.8, 3811626.8,     957.8,    1990.0,       0.0);         ( 392750.0,
3811624.2,     962.2,    1990.0,       0.0);
    ( 392773.3, 3811621.6,     965.2,    1990.0,       0.0);         ( 392796.5,
3811619.1,     966.3,    1990.0,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(392959.2, 3811601.0, 994.9, 1990.0, 0.0); (392982.4,
3811598.4, 1005.1, 1990.0, 0.0);
(393005.7, 3811595.9, 1014.4, 1990.0, 0.0); (393028.9,
3811593.3, 1019.1, 1990.0, 0.0);
(393052.1, 3811590.7, 1028.1, 1990.0, 0.0); (393075.4,
3811588.1, 1037.3, 1990.0, 0.0);
(393098.6, 3811585.6, 1045.6, 1990.0, 0.0); (393121.9,
3811583.0, 1054.8, 1990.0, 0.0);
(393145.1, 3811580.4, 1065.8, 1990.0, 0.0); (393168.4,
3811577.8, 1076.5, 1990.0, 0.0);
(393191.6, 3811575.2, 1085.6, 1990.0, 0.0); (393214.8,
3811572.7, 1091.5, 1990.0, 0.0);
(393238.1, 3811570.1, 1094.5, 1990.0, 0.0); (393261.3,
3811567.5, 1098.2, 1990.0, 0.0);
(393284.6, 3811564.9, 1105.2, 1990.0, 0.0); (393307.8,
3811562.4, 1111.8, 1990.0, 0.0);
(393331.0, 3811559.8, 1115.9, 1990.0, 0.0); (393354.3,
3811557.2, 1113.4, 1990.0, 0.0);
(393377.5, 3811554.6, 1107.3, 1990.0, 0.0); (393400.8,
3811552.0, 1101.3, 1990.0, 0.0);
(393424.0, 3811549.5, 1096.2, 1990.0, 0.0); (393447.3,
3811546.9, 1094.5, 1990.0, 0.0);
(393470.5, 3811544.3, 1096.8, 1990.0, 0.0); (393493.7,
3811541.8, 1098.2, 1990.0, 0.0);
(393517.0, 3811539.2, 1102.1, 1990.0, 0.0); (393540.2,
3811536.6, 1105.7, 1990.0, 0.0);
(393563.5, 3811534.0, 1105.5, 1990.0, 0.0); (393586.7,
3811531.4, 1100.5, 1990.0, 0.0);
(393610.0, 3811528.9, 1092.3, 1990.0, 0.0); (393633.2,
3811526.3, 1081.8, 1990.0, 0.0);
(393656.4, 3811523.7, 1070.0, 1990.0, 0.0); (393679.7,
3811521.1, 1057.5, 1990.0, 0.0);

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    ( 393702.9, 3811518.5,    1045.0,    1990.0,       0.0);         ( 393726.1,
3811516.0,    1032.9,    1990.0,       0.0);
    ( 393749.4, 3811513.4,    1020.8,    1990.0,       0.0);         ( 393772.6,
3811510.8,    1007.8,    1990.0,       0.0);
    ( 393795.9, 3811508.2,     999.3,    1990.0,       0.0);         ( 393819.1,
3811505.7,     994.0,    1990.0,       0.0);
    ( 393842.4, 3811503.1,     986.9,    1990.0,       0.0);         ( 393865.6,
3811500.5,     983.8,    1990.0,       0.0);
    ( 393888.8, 3811497.9,     980.5,    1990.0,       0.0);         ( 393912.1,
3811495.4,     978.4,    1990.0,       0.0);
    ( 393935.3, 3811492.8,     977.9,    1990.0,       0.0);         ( 393958.6,
3811490.2,     977.0,    1990.0,       0.0);
    ( 393981.8, 3811487.6,     976.8,    1990.0,       0.0);         ( 394005.0,
3811485.0,     976.8,    1990.0,       0.0);
    ( 394028.3, 3811482.5,     977.5,    1990.0,       0.0);         ( 394051.5,
3811479.9,     975.3,    1990.0,       0.0);
    ( 394074.8, 3811477.3,     974.1,    1990.0,       0.0);         ( 394098.0,
3811474.7,     972.8,    1990.0,       0.0);
    ( 394121.2, 3811472.2,     972.8,    1990.0,       0.0);         ( 394144.5,
3811469.6,     972.0,    2061.5,       0.0);
    ( 394167.7, 3811467.0,     967.2,    2084.7,       0.0);         ( 394191.0,
3811464.4,     964.7,    2084.7,       0.0);
    ( 394214.2, 3811461.8,     967.4,    2084.7,       0.0);         ( 394237.5,
3811459.3,     966.8,    2084.7,       0.0);
    ( 394260.7, 3811456.7,     964.2,    2084.7,       0.0);         ( 394283.9,
3811454.1,     967.6,    2084.7,       0.0);
    ( 394307.2, 3811451.5,     972.6,    2084.7,       0.0);         ( 394330.4,
3811449.0,     976.7,    2084.7,       0.0);
    ( 394353.7, 3811446.4,     981.6,    2084.7,       0.0);         ( 394795.2,
3811397.4,     965.8,    2170.7,       0.0);
    ( 394818.5, 3811394.8,     967.9,    2170.7,       0.0);         ( 394841.7,
3811392.3,     969.8,    2170.7,       0.0);
    ( 394865.0, 3811389.7,     970.5,    2170.7,       0.0);         ( 394888.2,
3811387.1,     968.9,    2170.7,       0.0);
    ( 394911.5, 3811384.5,     968.1,    2170.7,       0.0);         ( 394934.7,
3811382.0,     968.5,    2170.7,       0.0);
    ( 394957.9, 3811379.4,     968.9,    2170.7,       0.0);         ( 394981.2,
3811376.8,     969.2,    2170.7,       0.0);
    ( 395004.4, 3811374.2,     968.8,    2170.7,       0.0);         ( 395027.7,
3811371.7,     966.5,    2170.7,       0.0);
    ( 395050.9, 3811369.1,     960.4,    2170.7,       0.0);         ( 395074.1,
3811366.5,     956.8,    2170.7,       0.0);
    ( 395097.4, 3811363.9,     955.8,    2170.7,       0.0);         ( 395120.6,
3811361.3,     955.7,    2170.7,       0.0);
    ( 395143.9, 3811358.8,     957.9,    2170.7,       0.0);         ( 395167.1,
3811356.2,     960.9,    2170.7,       0.0);
    ( 395190.3, 3811353.6,     964.1,    2170.7,       0.0);         ( 395213.6,
3811351.0,     967.9,    2170.7,       0.0);
    ( 395236.8, 3811348.5,     971.7,    2170.7,       0.0);         ( 395260.1,
3811345.9,     972.5,    2170.7,       0.0);
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(395283.3, 3811343.3, 972.4, 2170.7, 0.0); (395306.6, 3811340.7, 981.1, 2170.7, 0.0);
(395329.8, 3811338.1, 987.4, 2170.7, 0.0); (395353.0, 3811335.6, 987.8, 2170.7, 0.0);
(395376.3, 3811333.0, 988.9, 2170.7, 0.0); (395399.5, 3811330.4, 986.6, 2170.7, 0.0);
(395422.8, 3811327.8, 984.4, 2170.7, 0.0); (395446.0, 3811325.3, 983.3, 2170.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(395469.2, 3811322.7, 982.3, 2170.7, 0.0); (395492.5, 3811320.1, 982.9, 2170.7, 0.0);
(395515.7, 3811317.5, 984.9, 2170.7, 0.0); (395539.0, 3811315.0, 987.5, 2170.7, 0.0);
(395562.2, 3811312.4, 992.0, 2170.7, 0.0); (395585.5, 3811309.8, 994.4, 2170.7, 0.0);
(395608.7, 3811307.2, 991.8, 2170.7, 0.0); (395631.9, 3811304.6, 986.0, 2170.7, 0.0);
(395655.2, 3811302.1, 984.2, 2170.7, 0.0); (395678.4, 3811299.5, 981.0, 2170.7, 0.0);
(395701.7, 3811296.9, 983.5, 2170.7, 0.0); (395724.9, 3811294.3, 982.6, 2170.7, 0.0);
(395748.1, 3811291.8, 980.5, 2170.7, 0.0); (395771.4, 3811289.2, 980.7, 2170.7, 0.0);
(395794.6, 3811286.6, 981.2, 2170.7, 0.0); (395817.9, 3811284.0, 980.3, 2170.7, 0.0);
(395841.1, 3811281.5, 978.9, 2170.7, 0.0); (395864.3, 3811278.9, 979.8, 2170.7, 0.0);
(395887.6, 3811276.3, 981.6, 2170.7, 0.0); (395910.8, 3811273.7, 982.3, 2170.7, 0.0);
(395934.1, 3811271.1, 982.5, 2170.7, 0.0); (395957.3, 3811268.6, 986.6, 2170.7, 0.0);
(395980.6, 3811266.0, 990.8, 2170.7, 0.0); (396003.8, 3811263.4, 994.1, 2170.7, 0.0);
(396027.0, 3811260.8, 999.8, 2170.7, 0.0); (396050.3, 3811258.3, 1007.6, 2170.7, 0.0);
(396073.5, 3811255.7, 1011.6, 2170.7, 0.0); (396096.8, 3811253.1, 1004.3, 2170.7, 0.0);
(396120.0, 3811250.5, 999.6, 2170.7, 0.0); (396143.2, 3811247.9, 1000.3, 2170.7, 0.0);

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    ( 396166.5, 3811245.4,    1004.5,    2170.7,       0.0);         ( 396189.7,
3811242.8,    1015.7,    2170.7,       0.0);
    ( 396213.0, 3811240.2,    1025.7,    2170.7,       0.0);         ( 396236.2,
3811237.6,    1027.2,    2170.7,       0.0);
    ( 396259.5, 3811235.1,    1027.1,    2170.7,       0.0);         ( 389251.1,
3815900.6,     845.1,    1981.2,       0.0);
    ( 389250.3, 3815924.0,     845.4,    1981.2,       0.0);         ( 389249.5,
3815947.5,     845.7,    1981.2,       0.0);
    ( 389248.8, 3815971.0,     846.1,    1981.2,       0.0);         ( 389248.0,
3815994.4,     846.4,    1981.2,       0.0);
    ( 389247.2, 3816017.9,     846.7,    1958.8,       0.0);         ( 389246.4,
3816041.4,     847.1,    1958.8,       0.0);
    ( 389245.6, 3816064.9,     847.5,    1958.8,       0.0);         ( 389244.8,
3816088.3,     847.8,    1939.6,       0.0);
    ( 389244.0, 3816111.8,     848.1,    1939.6,       0.0);         ( 389243.3,
3816135.3,     851.0,    1939.6,       0.0);
    ( 389242.5, 3816158.8,     853.1,    1939.6,       0.0);         ( 389241.7,
3816182.2,     853.3,    1939.6,       0.0);
    ( 387929.9, 3815835.5,     913.1,    1258.9,       0.0);         ( 387941.3,
3815815.1,     910.6,    1258.9,       0.0);
    ( 387952.8, 3815794.6,     907.4,    1258.9,       0.0);         ( 387964.2,
3815774.2,     902.9,    1258.9,       0.0);
    ( 387975.6, 3815753.8,     900.8,    1258.9,       0.0);         ( 387987.0,
3815733.3,     898.4,    1258.9,       0.0);
    ( 387998.4, 3815712.9,     897.7,    1258.9,       0.0);         ( 388009.8,
3815692.5,     897.6,    1258.9,       0.0);
    ( 388021.2, 3815672.0,     897.9,    1258.9,       0.0);         ( 388032.6,
3815651.6,     898.8,    1258.9,       0.0);
    ( 388044.0, 3815631.2,     899.6,    1258.9,       0.0);         ( 388055.4,
3815610.7,     900.2,    1258.9,       0.0);
    ( 388066.8, 3815590.3,     900.6,    1258.9,       0.0);         ( 388078.2,
3815569.8,     901.3,    1258.9,       0.0);
    ( 388089.6, 3815549.4,     901.6,    1258.9,       0.0);         ( 388101.0,
3815529.0,     901.5,    1258.9,       0.0);
    ( 388112.5, 3815508.5,     901.7,    1939.6,       0.0);         ( 388123.8,
3815488.1,     902.2,    1939.6,       0.0);
    ( 388135.3, 3815467.7,     904.0,    1939.6,       0.0);         ( 388146.7,
3815447.2,     905.5,    1939.6,       0.0);
    ( 388158.1, 3815426.8,     906.9,    1939.6,       0.0);         ( 388169.5,
3815406.4,     908.1,    1939.6,       0.0);
    ( 388180.9, 3815385.9,     909.3,    1939.6,       0.0);         ( 388192.3,
3815365.5,     910.6,    1939.6,       0.0);
    ( 388203.7, 3815345.1,     912.2,    1939.6,       0.0);         ( 388215.1,
3815324.6,     913.7,    1939.6,       0.0);
    ( 388226.5, 3815304.2,     915.2,    1939.6,       0.0);         ( 388237.9,
3815283.8,     916.3,    1939.6,       0.0);
    ( 388249.3, 3815263.3,     917.0,    1939.6,       0.0);         ( 388260.7,
3815242.9,     917.2,    1939.6,       0.0);
    ( 388272.1, 3815222.4,     916.3,    1939.6,       0.0);         ( 388283.5,
3815202.0,     914.4,    1939.6,       0.0);
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(388295.0, 3815181.6, 914.4, 1939.6, 0.0); (388306.4, 3815161.1, 915.8, 1958.8, 0.0);
(388317.8, 3815140.7, 917.3, 1958.8, 0.0); (388329.2, 3815120.3, 916.2, 1958.8, 0.0);
(388340.6, 3815099.8, 916.8, 1958.8, 0.0); (388352.0, 3815079.4, 917.5, 1958.8, 0.0);
(388363.4, 3815058.9, 917.0, 1958.8, 0.0); (388374.8, 3815038.5, 917.2, 1981.2, 0.0);
(388386.2, 3815018.1, 917.0, 1981.2, 0.0); (388397.6, 3814997.6, 918.4, 1981.2, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(388409.0, 3814977.2, 920.4, 1981.2, 0.0); (388420.4, 3814956.8, 922.1, 1981.2, 0.0);
(388431.8, 3814936.3, 922.7, 1981.2, 0.0); (388443.2, 3814915.9, 925.1, 1981.2, 0.0);
(388454.6, 3814895.5, 930.6, 1981.2, 0.0); (388466.1, 3814875.0, 932.9, 1981.2, 0.0);
(388477.5, 3814854.6, 934.4, 1981.2, 0.0); (388488.9, 3814834.2, 936.6, 1981.2, 0.0);
(388500.3, 3814813.7, 937.1, 1981.2, 0.0); (388511.7, 3814793.3, 937.8, 1981.2, 0.0);
(388523.1, 3814772.8, 936.8, 1981.2, 0.0); (388534.5, 3814752.4, 931.4, 1981.2, 0.0);
(388545.9, 3814732.0, 928.7, 1982.9, 0.0); (388557.3, 3814711.5, 929.6, 1985.1, 0.0);
(388568.7, 3814691.1, 933.8, 1982.9, 0.0); (388580.1, 3814670.7, 934.3, 1985.1, 0.0);
(388591.5, 3814650.2, 931.3, 1989.0, 0.0); (388602.9, 3814629.8, 934.3, 1989.0, 0.0);
(388614.3, 3814609.4, 939.4, 1987.3, 0.0); (388625.8, 3814588.9, 938.9, 1989.0, 0.0);
(388637.2, 3814568.5, 936.5, 1990.0, 0.0); (388648.6, 3814548.1, 938.8, 1990.0, 0.0);
(388660.0, 3814527.6, 936.7, 1990.0, 0.0); (388671.4, 3814507.2, 938.7, 1990.0, 0.0);
(388682.8, 3814486.8, 940.1, 1990.0, 0.0); (388694.2, 3814466.3, 933.3, 1990.0, 0.0);
(388705.6, 3814445.9, 928.6, 1990.0, 0.0); (388717.0, 3814425.4, 924.9, 1990.0, 0.0);

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    ( 388728.4, 3814405.0,     926.4,    1990.0,       0.0);         ( 388739.8,
3814384.6,     926.4,    1990.0,       0.0);
    ( 388751.2, 3814364.1,     927.4,    1990.0,       0.0);         ( 388762.6,
3814343.7,     930.3,    1990.0,       0.0);
    ( 388774.0, 3814323.3,     930.7,    1990.0,       0.0);         ( 388785.5,
3814302.8,     929.7,    1990.0,       0.0);
    ( 388796.8, 3814282.4,     928.0,    1990.0,       0.0);         ( 388808.3,
3814262.0,     924.4,    1990.0,       0.0);
    ( 388819.7, 3814241.5,     923.8,    1990.0,       0.0);         ( 388831.1,
3814221.1,     928.8,    1990.0,       0.0);
    ( 388842.5, 3814200.6,     932.9,    1990.0,       0.0);         ( 388853.9,
3814180.2,     935.2,    1990.0,       0.0);
    ( 388865.3, 3814159.8,     935.6,    1990.0,       0.0);         ( 388876.7,
3814139.3,     933.2,    1990.0,       0.0);
    ( 388888.1, 3814118.9,     930.2,    1990.0,       0.0);         ( 388899.5,
3814098.5,     925.9,    1990.0,       0.0);
    ( 388910.9, 3814078.0,     928.6,    1990.0,       0.0);         ( 388922.3,
3814057.6,     932.3,    1990.0,       0.0);
    ( 388933.7, 3814037.2,     935.2,    1990.0,       0.0);         ( 388945.1,
3814016.7,     935.7,    1990.0,       0.0);
    ( 388956.5, 3813996.3,     933.8,    1990.0,       0.0);         ( 388968.0,
3813975.9,     930.1,    1990.0,       0.0);
    ( 388979.4, 3813955.4,     928.1,    1990.0,       0.0);         ( 388990.8,
3813935.0,     928.5,    1990.0,       0.0);
    ( 389002.2, 3813914.5,     925.9,    1990.0,       0.0);         ( 389013.6,
3813894.1,     925.0,    1990.0,       0.0);
    ( 389025.0, 3813873.7,     924.7,    1990.0,       0.0);         ( 389036.4,
3813853.2,     923.1,    1990.0,       0.0);
    ( 389047.8, 3813832.8,     921.8,    1990.0,       0.0);         ( 389059.2,
3813812.4,     919.9,    1990.0,       0.0);
    ( 389070.6, 3813791.9,     917.2,    1990.0,       0.0);         ( 389082.0,
3813771.5,     914.2,    1990.0,       0.0);
    ( 389093.4, 3813751.1,     908.7,    1990.0,       0.0);         ( 389104.8,
3813730.6,     903.8,    1990.0,       0.0);
    ( 389116.2, 3813710.2,     901.6,    1990.0,       0.0);         ( 389127.6,
3813689.8,     905.9,    1990.0,       0.0);
    ( 389139.1, 3813669.3,     903.0,    1990.0,       0.0);         ( 389150.5,
3813648.9,     897.3,    1990.0,       0.0);
    ( 389161.9, 3813628.4,     887.4,    1990.0,       0.0);         ( 389173.3,
3813608.0,     881.9,    1990.0,       0.0);
    ( 389184.7, 3813587.6,     878.5,    1990.0,       0.0);         ( 389196.1,
3813567.1,     876.7,    1990.0,       0.0);
    ( 389207.5, 3813546.7,     876.2,    1990.0,       0.0);         ( 389218.9,
3813526.3,     875.5,    1990.0,       0.0);
    ( 389230.3, 3813505.8,     878.2,    1990.0,       0.0);         ( 389241.7,
3813485.4,     875.3,    1990.0,       0.0);
    ( 389253.1, 3813465.0,     870.5,    1990.0,       0.0);         ( 389264.5,
3813444.5,     873.9,    1990.0,       0.0);
    ( 389275.9, 3813424.1,     872.5,    1990.0,       0.0);         ( 389287.3,
3813403.6,     868.8,    1990.0,       0.0);
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(389298.8, 3813383.2, 862.6, 1990.0, 0.0); (389310.2, 3813362.8, 860.2, 1990.0, 0.0);
(389321.6, 3813342.3, 860.0, 1990.0, 0.0); (389333.0, 3813321.9, 854.5, 1990.0, 0.0);
(389344.4, 3813301.5, 853.3, 1990.0, 0.0); (389355.8, 3813281.0, 853.8, 1990.0, 0.0);
(389367.2, 3813260.6, 846.8, 1990.0, 0.0); (389378.6, 3813240.2, 845.0, 1990.0, 0.0);
(389390.0, 3813219.7, 845.1, 1990.0, 0.0); (389401.4, 3813199.3, 838.3, 1990.0, 0.0);
(389412.8, 3813178.9, 835.0, 1990.0, 0.0); (389424.2, 3813158.4, 832.1, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(389435.6, 3813138.0, 830.5, 1990.0, 0.0); (389447.0, 3813117.5, 829.8, 1990.0, 0.0);
(389458.5, 3813097.1, 829.7, 1990.0, 0.0); (389469.8, 3813076.7, 828.3, 1990.0, 0.0);
(389481.3, 3813056.2, 826.8, 1990.0, 0.0); (389492.7, 3813035.8, 823.9, 1990.0, 0.0);
(389504.1, 3813015.4, 822.7, 1990.0, 0.0); (389515.5, 3812994.9, 818.3, 1990.0, 0.0);
(389526.9, 3812974.5, 814.4, 1990.0, 0.0); (389538.3, 3812954.1, 813.4, 1990.0, 0.0);
(389549.7, 3812933.6, 812.0, 1990.0, 0.0); (389561.1, 3812913.2, 806.1, 1990.0, 0.0);
(389572.5, 3812892.8, 803.8, 1990.0, 0.0); (389583.9, 3812872.3, 801.7, 1990.0, 0.0);
(389595.3, 3812851.9, 799.4, 1990.0, 0.0); (389606.7, 3812831.4, 798.2, 1990.0, 0.0);
(389618.1, 3812811.0, 797.2, 1990.0, 0.0); (389629.5, 3812790.6, 796.7, 1990.0, 0.0);
(389641.0, 3812770.1, 796.9, 1990.0, 0.0); (389652.4, 3812749.7, 797.1, 1990.0, 0.0);
(389663.8, 3812729.3, 796.8, 1990.0, 0.0); (389675.2, 3812708.8, 796.4, 1990.0, 0.0);
(389686.6, 3812688.4, 795.7, 1990.0, 0.0); (389698.0, 3812668.0, 795.9, 1990.0, 0.0);
(389709.4, 3812647.5, 796.6, 1990.0, 0.0); (389720.8, 3812627.1, 796.9, 1990.0, 0.0);

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     ( 389732.2, 3812606.6,     796.9,    1990.0,       0.0);         ( 389743.6,
3812586.2,     796.7,    1990.0,       0.0);
     ( 389755.0, 3812565.8,     796.5,    1990.0,       0.0);         ( 389766.4,
3812545.3,     796.4,    1990.0,       0.0);
     ( 389777.8, 3812524.9,     796.4,    1990.0,       0.0);         ( 389789.2,
3812504.5,     796.4,    1990.0,       0.0);
     ( 389800.6, 3812484.0,     796.6,    1990.0,       0.0);         ( 389812.1,
3812463.6,     796.6,    1990.0,       0.0);
     ( 389823.5, 3812443.2,     796.0,    1990.0,       0.0);         ( 389834.9,
3812422.7,     797.6,    1990.0,       0.0);
     ( 389846.3, 3812402.3,     799.9,    1990.0,       0.0);         ( 389857.7,
3812381.9,     802.0,    1990.0,       0.0);
     ( 389869.1, 3812361.4,     802.4,    1990.0,       0.0);         ( 389880.5,
3812341.0,     803.2,    1990.0,       0.0);
     ( 389891.9, 3812320.5,     802.6,    1990.0,       0.0);         ( 389903.3,
3812300.1,     803.1,    1990.0,       0.0);
     ( 389914.7, 3812279.7,     803.6,    1990.0,       0.0);         ( 389926.1,
3812259.2,     804.5,    1990.0,       0.0);
     ( 389937.5, 3812238.8,     805.1,    1990.0,       0.0);         ( 389948.9,
3812218.4,     805.8,    1990.0,       0.0);
     ( 389960.3, 3812197.9,     806.5,    1990.0,       0.0);         ( 389971.8,
3812177.5,     807.3,    1990.0,       0.0);
     ( 389983.2, 3812157.1,     808.2,    1990.0,       0.0);         ( 389994.6,
3812136.6,     808.9,    1990.0,       0.0);
     ( 390006.0, 3812116.2,     809.4,    1990.0,       0.0);         ( 390017.4,
3812095.8,     810.1,    1990.0,       0.0);
     ( 390028.8, 3812075.3,     811.0,    1990.0,       0.0);         ( 390040.2,
3812054.9,     811.9,    1990.0,       0.0);
     ( 390051.6, 3812034.4,     812.7,    1990.0,       0.0);         ( 390063.0,
3812014.0,     813.6,    1990.0,       0.0);
     ( 390074.4, 3811993.6,     814.6,    1990.0,       0.0);         ( 390085.8,
3811973.1,     816.7,    1990.0,       0.0);
     ( 390097.2, 3811952.7,     813.5,    1990.0,       0.0);         ( 390108.6,
3811932.3,     813.2,    1990.0,       0.0);
     ( 390120.0, 3811911.8,     811.6,    1990.0,       0.0);         ( 390131.5,
3811891.4,     814.8,    1990.0,       0.0);
     ( 390142.8, 3811871.0,     814.2,    1990.0,       0.0);         ( 390154.3,
3811850.5,     813.3,    1990.0,       0.0);
     ( 390165.7, 3811830.1,     816.1,    1990.0,       0.0);         ( 390177.1,
3811809.7,     819.4,    1990.0,       0.0);
     ( 390188.5, 3811789.2,     819.3,    1990.0,       0.0);         ( 390199.9,
3811768.8,     818.6,    1990.0,       0.0);
     ( 390211.3, 3811748.3,     820.8,    1990.0,       0.0);         ( 390222.7,
3811727.9,     822.5,    1990.0,       0.0);
     ( 390234.1, 3811707.5,     823.8,    1990.0,       0.0);         ( 390245.5,
3811687.0,     826.5,    1990.0,       0.0);
     ( 390256.9, 3811666.6,     828.4,    1990.0,       0.0);         ( 390268.3,
3811646.2,     831.5,    1990.0,       0.0);
     ( 390279.7, 3811625.7,     833.4,    1990.0,       0.0);         ( 390291.1,
3811605.3,     831.6,    1990.0,       0.0);
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(390302.5, 3811584.9, 831.8, 1990.0, 0.0); (390314.0, 3811564.4, 830.6, 1990.0, 0.0);
(390325.4, 3811544.0, 829.4, 1990.0, 0.0); (390336.8, 3811523.6, 831.5, 1990.0, 0.0);
(390348.2, 3811503.1, 831.4, 1990.0, 0.0); (390359.6, 3811482.7, 830.5, 1990.0, 0.0);
(390371.0, 3811462.2, 826.9, 1990.0, 0.0); (390382.4, 3811441.8, 827.8, 1990.0, 0.0);
(390393.8, 3811421.4, 832.7, 1990.0, 0.0); (390405.2, 3811400.9, 837.0, 1990.0, 0.0);
(390416.6, 3811380.5, 838.3, 1990.0, 0.0); (390428.0, 3811360.1, 842.6, 1990.0, 0.0);
(390439.4, 3811339.6, 844.1, 1990.0, 0.0); (390450.8, 3811319.2, 845.8, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(390462.2, 3811298.8, 846.5, 1990.0, 0.0); (390473.6, 3811278.3, 847.0, 1990.0, 0.0);
(390485.1, 3811257.9, 847.0, 1990.0, 0.0); (390496.5, 3811237.4, 846.8, 1990.0, 0.0);
(390507.9, 3811217.0, 847.6, 1990.0, 0.0); (390519.3, 3811196.6, 849.1, 1990.0, 0.0);
(390530.7, 3811176.1, 850.8, 1990.0, 0.0); (390542.1, 3811155.7, 852.4, 1990.0, 0.0);
(390553.5, 3811135.3, 854.2, 1990.0, 0.0); (390564.9, 3811114.8, 855.3, 1990.0, 0.0);
(390576.3, 3811094.4, 855.9, 1990.0, 0.0); (390587.7, 3811074.0, 855.6, 1990.0, 0.0);
(390599.1, 3811053.5, 854.6, 1990.0, 0.0); (390610.5, 3811033.1, 853.9, 1990.0, 0.0);
(390621.9, 3811012.7, 854.2, 1990.0, 0.0); (390633.3, 3810992.2, 856.0, 1990.0, 0.0);
(390644.8, 3810971.8, 856.7, 1990.0, 0.0); (390656.2, 3810951.3, 855.9, 1990.0, 0.0);
(390667.6, 3810930.9, 858.6, 1990.0, 0.0); (390679.0, 3810910.5, 862.1, 1990.0, 0.0);
(390690.4, 3810890.0, 866.6, 1990.0, 0.0); (390701.8, 3810869.6, 873.5, 1990.0, 0.0);
(390713.2, 3810849.2, 878.8, 1990.0, 0.0); (390724.6, 3810828.7, 882.2, 1990.0, 0.0);

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    ( 390736.0, 3810808.3,     880.6,    1990.0,       0.0);         ( 390747.4,
3810787.9,     878.3,    1990.0,       0.0);
    ( 390758.8, 3810767.4,     875.8,    1990.0,       0.0);         ( 390770.2,
3810747.0,     877.1,    1990.0,       0.0);
    ( 390781.6, 3810726.6,     879.5,    1990.0,       0.0);         ( 390793.0,
3810706.1,     882.3,    1990.0,       0.0);
    ( 390804.5, 3810685.7,     887.8,    1990.0,       0.0);         ( 390815.8,
3810665.2,     893.2,    1990.0,       0.0);
    ( 390850.5, 3810642.2,     895.4,    1990.0,       0.0);         ( 390873.8,
3810639.7,     893.1,    1990.0,       0.0);
    ( 390897.0, 3810637.1,     892.9,    1990.0,       0.0);         ( 390920.3,
3810634.5,     894.7,    1990.0,       0.0);
    ( 390943.6, 3810631.9,     895.7,    1990.0,       0.0);         ( 390966.8,
3810629.3,     897.7,    1990.0,       0.0);
    ( 390990.1, 3810626.8,     900.6,    1990.0,       0.0);         ( 391013.3,
3810624.2,     900.2,    1990.0,       0.0);
    ( 391036.6, 3810621.6,     897.6,    1990.0,       0.0);         ( 391059.9,
3810619.0,     899.6,    1990.0,       0.0);
    ( 391083.1, 3810616.4,     897.7,    1990.0,       0.0);         ( 391106.4,
3810613.9,     893.6,    1990.0,       0.0);
    ( 391129.7, 3810611.3,     896.2,    1990.0,       0.0);         ( 391152.9,
3810608.7,     898.2,    1990.0,       0.0);
    ( 391176.2, 3810606.1,     901.7,    1990.0,       0.0);         ( 391199.4,
3810603.5,     905.9,    1990.0,       0.0);
    ( 391222.7, 3810601.0,     910.8,    1990.0,       0.0);         ( 391246.0,
3810598.4,     917.6,    1990.0,       0.0);
    ( 391269.2, 3810595.8,     928.1,    1990.0,       0.0);         ( 391292.5,
3810593.2,     940.6,    1990.0,       0.0);
    ( 391315.8, 3810590.6,     950.9,    1990.0,       0.0);         ( 391339.0,
3810588.1,     961.3,    1990.0,       0.0);
    ( 391362.3, 3810585.5,     972.9,    1990.0,       0.0);         ( 391385.5,
3810582.9,     985.9,    1990.0,       0.0);
    ( 391408.8, 3810580.3,    1000.2,    1990.0,       0.0);         ( 391432.0,
3810577.8,    1014.4,    1990.0,       0.0);
    ( 391455.3, 3810575.2,    1027.4,    1990.0,       0.0);         ( 391478.6,
3810572.6,    1033.1,    1990.0,       0.0);
    ( 391501.8, 3810570.0,    1030.9,    1990.0,       0.0);         ( 391525.1,
3810567.4,    1024.8,    1990.0,       0.0);
    ( 391548.4, 3810564.9,    1017.3,    1990.0,       0.0);         ( 391571.6,
3810562.3,    1008.6,    1990.0,       0.0);
    ( 391594.9, 3810559.7,     997.4,    1990.0,       0.0);         ( 391618.1,
3810557.1,     989.4,    1990.0,       0.0);
    ( 391641.4, 3810554.5,     985.9,    1990.0,       0.0);         ( 391664.7,
3810552.0,     979.1,    1990.0,       0.0);
    ( 391687.9, 3810549.4,     975.5,    1990.0,       0.0);         ( 391711.2,
3810546.8,     977.5,    1990.0,       0.0);
    ( 391734.5, 3810544.2,     982.5,    1990.0,       0.0);         ( 391757.7,
3810541.6,     989.2,    1990.0,       0.0);
    ( 391781.0, 3810539.1,     999.3,    1990.0,       0.0);         ( 391804.2,
3810536.5,    1009.0,    1990.0,       0.0);
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(391827.5, 3810533.9, 1012.6, 1990.0, 0.0); (391850.8, 3810531.3, 1008.2, 1990.0, 0.0);
(391874.0, 3810528.8, 1002.6, 1990.0, 0.0); (391897.3, 3810526.2, 998.6, 1990.0, 0.0);
(391920.5, 3810523.6, 991.6, 1990.0, 0.0); (391943.8, 3810521.0, 987.4, 1990.0, 0.0);
(391967.1, 3810518.4, 982.8, 1990.0, 0.0); (391990.3, 3810515.8, 978.0, 1990.0, 0.0);
(392013.6, 3810513.3, 971.8, 1990.0, 0.0); (392036.8, 3810510.7, 964.3, 1990.0, 0.0);
(392060.1, 3810508.1, 960.9, 1990.0, 0.0); (392083.4, 3810505.5, 963.6, 1990.0, 0.0);
(392106.6, 3810502.9, 960.8, 1990.0, 0.0); (392129.9, 3810500.4, 959.3, 1990.0, 0.0);
(392153.1, 3810497.8, 965.4, 1990.0, 0.0); (392176.4, 3810495.2, 969.6, 1990.0, 0.0);

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

(392199.7, 3810492.6, 976.3, 1990.0, 0.0); (392222.9, 3810490.1, 984.8, 1990.0, 0.0);
(392246.2, 3810487.5, 989.7, 1990.0, 0.0); (392269.5, 3810484.9, 985.7, 1990.0, 0.0);
(392292.7, 3810482.3, 978.9, 1990.0, 0.0); (392316.0, 3810479.7, 973.9, 1990.0, 0.0);
(392339.2, 3810477.2, 969.4, 1990.0, 0.0); (392362.5, 3810474.6, 967.3, 1990.0, 0.0);
(392385.8, 3810472.0, 965.4, 1990.0, 0.0); (392409.0, 3810469.4, 963.9, 1990.0, 0.0);
(392432.3, 3810466.8, 966.5, 1990.0, 0.0); (392455.5, 3810464.3, 965.5, 1990.0, 0.0);
(392478.8, 3810461.7, 966.3, 1990.0, 0.0); (392502.1, 3810459.1, 969.0, 1990.0, 0.0);
(392525.3, 3810456.5, 972.5, 1990.0, 0.0); (392548.6, 3810453.9, 975.7, 1990.0, 0.0);
(392571.8, 3810451.4, 978.5, 1990.0, 0.0); (392595.1, 3810448.8, 981.7, 1990.0, 0.0);
(392618.4, 3810446.2, 986.2, 1990.0, 0.0); (392641.6, 3810443.6, 991.1, 1990.0, 0.0);
(392664.9, 3810441.0, 994.4, 1990.0, 0.0); (392688.2, 3810438.5, 1001.6, 1990.0, 0.0);

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    ( 392711.4, 3810435.9,    1005.2,    1990.0,       0.0);         ( 392734.7,
3810433.3,    1005.1,    1990.0,       0.0);
    ( 392757.9, 3810430.7,    1003.6,    1990.0,       0.0);         ( 392781.2,
3810428.1,    1000.1,    1990.0,       0.0);
    ( 392804.5, 3810425.6,     997.1,    1990.0,       0.0);         ( 392827.7,
3810423.0,     992.6,    1990.0,       0.0);
    ( 392851.0, 3810420.4,     989.3,    1990.0,       0.0);         ( 392874.2,
3810417.8,     989.1,    1990.0,       0.0);
    ( 392897.5, 3810415.3,     986.9,    1990.0,       0.0);         ( 392920.8,
3810412.7,     995.2,    1990.0,       0.0);
    ( 392944.0, 3810410.1,     995.9,    1990.0,       0.0);         ( 392967.3,
3810407.5,     991.5,    1990.0,       0.0);
    ( 392990.6, 3810404.9,     992.8,    1990.0,       0.0);         ( 393013.8,
3810402.4,     999.4,    1990.0,       0.0);
    ( 393037.1, 3810399.8,    1005.0,    1990.0,       0.0);         ( 393060.3,
3810397.2,    1007.6,    1990.0,       0.0);
    ( 393083.6, 3810394.6,    1009.9,    1990.0,       0.0);         ( 393106.9,
3810392.0,    1012.3,    1990.0,       0.0);
    ( 393130.1, 3810389.5,    1012.8,    1990.0,       0.0);         ( 393153.4,
3810386.9,    1011.5,    1990.0,       0.0);
    ( 393176.6, 3810384.3,    1009.7,    1990.0,       0.0);         ( 393199.9,
3810381.7,    1008.6,    1990.0,       0.0);
    ( 393223.2, 3810379.1,    1007.1,    1990.0,       0.0);         ( 393246.4,
3810376.6,    1005.0,    1990.0,       0.0);
    ( 393269.7, 3810374.0,    1006.8,    1990.0,       0.0);         ( 393293.0,
3810371.4,    1008.5,    1990.0,       0.0);
    ( 393316.2, 3810368.8,    1009.2,    1990.0,       0.0);         ( 393339.5,
3810366.2,    1007.2,    1990.0,       0.0);
    ( 393362.7, 3810363.7,    1006.8,    1990.0,       0.0);         ( 393386.0,
3810361.1,    1009.8,    1990.0,       0.0);
    ( 393409.3, 3810358.5,    1012.3,    1990.0,       0.0);         ( 393432.5,
3810355.9,    1015.0,    1990.0,       0.0);
    ( 393455.8, 3810353.3,    1017.1,    1990.0,       0.0);         ( 393479.0,
3810350.8,    1017.5,    1990.0,       0.0);
    ( 393502.3, 3810348.2,    1021.3,    1990.0,       0.0);         ( 393525.6,
3810345.6,    1021.2,    1990.0,       0.0);
    ( 393548.8, 3810343.0,    1023.8,    1990.0,       0.0);         ( 393572.1,
3810340.4,    1024.3,    1990.0,       0.0);
    ( 393595.3, 3810337.9,    1026.1,    1990.0,       0.0);         ( 393618.6,
3810335.3,    1028.2,    1990.0,       0.0);
    ( 393641.9, 3810332.7,    1029.0,    1990.0,       0.0);         ( 393665.1,
3810330.1,    1029.4,    1990.0,       0.0);
    ( 393688.4, 3810327.6,    1028.9,    1990.0,       0.0);         ( 393711.6,
3810325.0,    1028.2,    1990.0,       0.0);
    ( 393734.9, 3810322.4,    1027.4,    1990.0,       0.0);         ( 393758.2,
3810319.8,    1027.2,    1990.0,       0.0);
    ( 393781.4, 3810317.2,    1026.2,    1990.0,       0.0);         ( 393804.7,
3810314.7,    1025.5,    1990.0,       0.0);
    ( 393828.0, 3810312.1,    1024.5,    1990.0,       0.0);         ( 393851.2,
3810309.5,    1023.9,    1990.0,       0.0);
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(393874.5, 3810306.9, 1023.7, 1990.0, 0.0); (393897.7, 3810304.3, 1023.0, 1990.0, 0.0);
(393921.0, 3810301.8, 1021.4, 1990.0, 0.0); (393944.3, 3810299.2, 1020.1, 2003.2, 0.0);
(394363.0, 3810252.8, 1016.0, 2084.7, 0.0); (394386.2, 3810250.2, 1021.3, 2084.7, 0.0);
(394409.5, 3810247.6, 1024.0, 2084.7, 0.0); (394432.8, 3810245.0, 1024.1, 2084.7, 0.0);
(394456.0, 3810242.4, 1024.7, 2084.7, 0.0); (394479.3, 3810239.9, 1025.2, 2084.7, 0.0);
(394502.5, 3810237.3, 1025.5, 2084.7, 0.0); (394525.8, 3810234.7, 1027.0, 2084.7, 0.0);
(394549.1, 3810232.1, 1028.4, 2084.7, 0.0); (394572.3, 3810229.5, 1028.6, 2084.7, 0.0);
(394595.6, 3810227.0, 1030.1, 2084.7, 0.0); (394618.8, 3810224.4, 1030.7, 2084.7, 0.0);
(394642.1, 3810221.8, 1031.0, 2084.7, 0.0); (394665.4, 3810219.2, 1031.5, 2084.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394688.6, 3810216.6, 1031.8, 2086.2, 0.0); (394711.9, 3810214.1, 1031.8, 2086.2, 0.0);
(394735.1, 3810211.5, 1033.0, 2086.2, 0.0); (394758.4, 3810208.9, 1035.3, 2086.2, 0.0);
(394781.7, 3810206.3, 1037.5, 2086.2, 0.0); (394804.9, 3810203.8, 1040.4, 2086.2, 0.0);
(394828.2, 3810201.2, 1041.9, 2086.2, 0.0); (394851.5, 3810198.6, 1039.2, 2086.2, 0.0);
(394874.7, 3810196.0, 1040.5, 2170.7, 0.0); (394898.0, 3810193.4, 1046.7, 2086.2, 0.0);
(394921.2, 3810190.8, 1049.4, 2086.2, 0.0); (394944.5, 3810188.3, 1046.4, 2170.7, 0.0);
(394967.8, 3810185.7, 1042.0, 2170.7, 0.0); (394991.0, 3810183.1, 1040.6, 2170.7, 0.0);
(395014.3, 3810180.5, 1042.7, 2170.7, 0.0); (395037.5, 3810178.0, 1045.4, 2170.7, 0.0);
(395060.8, 3810175.4, 1049.3, 2170.7, 0.0); (395084.1, 3810172.8, 1056.7, 2170.7, 0.0);
(395107.3, 3810170.2, 1063.4, 2086.2, 0.0); (395130.6, 3810167.6, 1067.5, 2086.2, 0.0);

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    ( 395153.8, 3810165.1,    1070.6,    2086.2,       0.0);         ( 395177.1,
3810162.5,    1066.1,    2170.7,       0.0);
    ( 395200.4, 3810159.9,    1059.8,    2170.7,       0.0);         ( 395223.6,
3810157.3,    1059.7,    2170.7,       0.0);
    ( 395246.9, 3810154.7,    1065.6,    2170.7,       0.0);         ( 395270.2,
3810152.2,    1072.6,    2170.7,       0.0);
    ( 395293.4, 3810149.6,    1077.0,    2170.7,       0.0);         ( 395316.7,
3810147.0,    1076.4,    2170.7,       0.0);
    ( 395339.9, 3810144.4,    1080.2,    2170.7,       0.0);         ( 395363.2,
3810141.8,    1084.7,    2170.7,       0.0);
    ( 395386.5, 3810139.3,    1092.8,    2086.2,       0.0);         ( 395409.7,
3810136.7,    1098.6,    2086.2,       0.0);
    ( 395433.0, 3810134.1,    1106.0,    2084.7,       0.0);         ( 395456.2,
3810131.5,    1114.8,    2084.7,       0.0);
    ( 395479.5, 3810128.9,    1122.5,    2084.7,       0.0);         ( 395502.8,
3810126.4,    1129.1,    2084.7,       0.0);
    ( 395526.0, 3810123.8,    1136.5,    2084.7,       0.0);         ( 395549.3,
3810121.2,    1141.8,    2084.7,       0.0);
    ( 395572.5, 3810118.6,    1142.6,    2084.7,       0.0);         ( 395595.8,
3810116.0,    1140.3,    2084.7,       0.0);
    ( 395619.1, 3810113.5,    1135.5,    2084.7,       0.0);         ( 395642.3,
3810110.9,    1130.6,    2084.7,       0.0);
    ( 395665.6, 3810108.3,    1130.7,    2084.7,       0.0);         ( 395688.9,
3810105.7,    1131.1,    2084.7,       0.0);
    ( 395712.1, 3810103.2,    1136.8,    2084.7,       0.0);         ( 395735.4,
3810100.6,    1145.7,    2084.7,       0.0);
    ( 395758.6, 3810098.0,    1153.7,    2084.7,       0.0);         ( 395781.9,
3810095.4,    1161.3,    2084.7,       0.0);
    ( 395805.2, 3810092.8,    1165.4,    2084.7,       0.0);         ( 395828.4,
3810090.3,    1164.4,    2084.7,       0.0);
    ( 395851.7, 3810087.7,    1160.7,    2084.7,       0.0);         ( 395875.0,
3810085.1,    1150.0,    2084.7,       0.0);
    ( 395898.2, 3810082.5,    1138.0,    2086.2,       0.0);         ( 395921.5,
3810079.9,    1130.0,    2170.7,       0.0);
    ( 395944.7, 3810077.4,    1122.8,    2170.7,       0.0);         ( 395968.0,
3810074.8,    1117.5,    2170.7,       0.0);
    ( 395991.2, 3810072.2,    1113.0,    2170.7,       0.0);         ( 396014.5,
3810069.6,    1109.5,    2170.7,       0.0);
    ( 396037.8, 3810067.0,    1107.1,    2170.7,       0.0);         ( 396061.0,
3810064.5,    1104.6,    2170.7,       0.0);
    ( 396084.3, 3810061.9,    1102.1,    2170.7,       0.0);         ( 396107.6,
3810059.3,    1099.2,    2170.7,       0.0);
    ( 396130.8, 3810056.7,    1095.6,    2170.7,       0.0);         ( 396154.1,
3810054.1,    1090.3,    2170.7,       0.0);
    ( 396177.3, 3810051.6,    1087.6,    2170.7,       0.0);         ( 396200.6,
3810049.0,    1085.6,    2170.7,       0.0);
    ( 396223.9, 3810046.4,    1082.8,    2170.7,       0.0);         ( 396247.1,
3810043.8,    1081.6,    2170.7,       0.0);
    ( 396270.4, 3810041.2,    1083.1,    2170.7,       0.0);         ( 396293.6,
3810038.7,    1083.9,    2170.7,       0.0);
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     ( 396316.9, 3810036.1,    1081.8,    2170.7,       0.0);         ( 396340.2,
3810033.5,    1078.5,    2170.7,       0.0);
     ( 396363.4, 3810030.9,    1076.6,    2170.7,       0.0);         ( 396386.7,
3810028.4,    1079.6,    2170.7,       0.0);
     ( 396410.0, 3810025.8,    1083.3,    2170.7,       0.0);         ( 396433.2,
3810023.2,    1076.9,    2170.7,       0.0);
     ( 396456.5, 3810020.6,    1066.0,    2170.7,       0.0);         ( 396479.7,
3810018.0,    1055.1,    2170.7,       0.0);
     ( 396503.0, 3810015.5,    1049.9,    2170.7,       0.0);         ( 396526.3,
3810012.9,    1048.6,    2170.7,       0.0);
     ( 396549.5, 3810010.3,    1053.0,    2170.7,       0.0);         ( 396572.8,
3810007.7,    1059.9,    2170.7,       0.0);
     ( 396596.0, 3810005.1,    1059.7,    2170.7,       0.0);         ( 396619.3,
3810002.6,    1059.5,    2170.7,       0.0);
     ( 396642.6, 3810000.0,    1061.6,    2170.7,       0.0);         ( 396665.8,
3809997.4,    1062.0,    2170.7,       0.0);
     ( 396689.1, 3809994.8,    1065.6,    2170.7,       0.0);         ( 396712.3,
3809992.2,    1066.6,    2170.7,       0.0);
     ( 396735.6, 3809989.7,    1066.1,    2170.7,       0.0);         ( 387918.5,
3815855.9,     916.6,    1258.9,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
                          ***       09:14:47

                                    PAGE 308
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

     ( 387917.8, 3815879.4,     921.2,    1258.9,       0.0);         ( 387917.0,
3815902.9,     925.3,    1258.9,       0.0);
     ( 387916.2, 3815926.4,     928.2,    1258.9,       0.0);         ( 387915.4,
3815949.8,     930.0,    1258.9,       0.0);
     ( 387914.6, 3815973.3,     930.6,    1258.9,       0.0);         ( 387913.8,
3815996.8,     926.2,    1258.9,       0.0);
     ( 387913.0, 3816020.3,     921.0,    1258.9,       0.0);         ( 387912.2,
3816043.7,     917.1,    1258.9,       0.0);
     ( 387911.5, 3816067.2,     915.5,    1258.9,       0.0);         ( 387910.7,
3816090.7,     915.8,    1258.9,       0.0);
     ( 387909.9, 3816114.1,     916.8,    1258.9,       0.0);         ( 387909.1,
3816137.6,     918.6,    1258.9,       0.0);
     ( 386597.4, 3815790.9,    1035.0,    1102.8,       0.0);         ( 386608.8,
3815770.4,    1045.7,    1102.8,       0.0);
     ( 386620.2, 3815750.0,    1057.2,    1102.8,       0.0);         ( 386631.6,
3815729.5,    1065.1,    1102.8,       0.0);
     ( 386643.0, 3815709.1,    1069.1,    1102.8,       0.0);         ( 386654.4,
3815688.6,    1064.3,    1102.8,       0.0);
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    ( 386665.8, 3815668.2,    1059.8,    1102.8,       0.0);         ( 386677.2,
3815647.8,    1058.9,    1102.8,       0.0);
    ( 386688.7, 3815627.3,    1060.8,    1102.8,       0.0);         ( 386700.1,
3815606.9,    1059.0,    1102.8,       0.0);
    ( 386711.5, 3815586.4,    1056.2,    1102.8,       0.0);         ( 386722.9,
3815566.0,    1057.0,    1102.8,       0.0);
    ( 386734.3, 3815545.5,    1058.6,    1102.8,       0.0);         ( 386745.7,
3815525.1,    1058.8,    1102.8,       0.0);
    ( 386757.1, 3815504.6,    1053.2,    1102.8,       0.0);         ( 386768.6,
3815484.2,    1046.2,    1258.9,       0.0);
    ( 386780.0, 3815463.7,    1039.9,    1258.9,       0.0);         ( 386791.4,
3815443.3,    1035.2,    1258.9,       0.0);
    ( 386802.8, 3815422.8,    1028.4,    1258.9,       0.0);         ( 386814.2,
3815402.4,    1022.1,    1258.9,       0.0);
    ( 386825.6, 3815381.9,    1013.8,    1258.9,       0.0);         ( 386837.0,
3815361.5,    1008.3,    1258.9,       0.0);
    ( 386848.5, 3815341.0,    1002.3,    1258.9,       0.0);         ( 386859.9,
3815320.6,     995.6,    1258.9,       0.0);
    ( 386871.3, 3815300.1,     991.0,    1258.9,       0.0);         ( 386882.7,
3815279.7,     986.5,    1258.9,       0.0);
    ( 386894.1, 3815259.3,     983.0,    1258.9,       0.0);         ( 386905.5,
3815238.8,     980.2,    1258.9,       0.0);
    ( 386916.9, 3815218.4,     978.5,    1258.9,       0.0);         ( 386928.3,
3815197.9,     976.9,    1258.9,       0.0);
    ( 386939.8, 3815177.5,     976.7,    1258.9,       0.0);         ( 386951.2,
3815157.0,     975.0,    1258.9,       0.0);
    ( 386962.6, 3815136.6,     977.4,    1258.9,       0.0);         ( 386974.0,
3815116.1,     979.7,    1258.9,       0.0);
    ( 386985.4, 3815095.7,     979.5,    1258.9,       0.0);         ( 386996.8,
3815075.2,     979.0,    1258.9,       0.0);
    ( 387008.2, 3815054.8,     977.3,    1258.9,       0.0);         ( 387019.6,
3815034.3,     975.4,    1258.9,       0.0);
    ( 387031.1, 3815013.9,     972.2,    1258.9,       0.0);         ( 387042.5,
3814993.4,     971.6,    1258.9,       0.0);
    ( 387053.9, 3814973.0,     972.9,    1258.9,       0.0);         ( 387065.3,
3814952.5,     971.3,    1258.9,       0.0);
    ( 387076.7, 3814932.1,     969.4,    1258.9,       0.0);         ( 387088.1,
3814911.6,     963.0,    1258.9,       0.0);
    ( 387099.5, 3814891.2,     957.8,    1258.9,       0.0);         ( 387111.0,
3814870.8,     955.9,    1258.9,       0.0);
    ( 387122.4, 3814850.3,     954.2,    1258.9,       0.0);         ( 387133.8,
3814829.9,     954.1,    1258.9,       0.0);
    ( 387145.2, 3814809.4,     954.3,    1258.9,       0.0);         ( 387156.6,
3814789.0,     956.9,    1258.9,       0.0);
    ( 387168.0, 3814768.5,     962.9,    1258.9,       0.0);         ( 387179.4,
3814748.1,     969.6,    1258.9,       0.0);
    ( 387190.8, 3814727.6,     978.3,    1258.9,       0.0);         ( 387202.3,
3814707.2,     985.4,    1258.9,       0.0);
    ( 387213.7, 3814686.7,     989.9,    1258.9,       0.0);         ( 387225.1,
3814666.3,     995.2,    1258.9,       0.0);
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(387236.5, 3814645.8, 1002.1, 1258.9, 0.0); (387247.9,
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(387259.3, 3814604.9, 1014.7, 1258.9, 0.0); (387270.7,
3814584.5, 1019.9, 1258.9, 0.0);
(387282.1, 3814564.0, 1023.8, 1258.9, 0.0); (387293.6,
3814543.6, 1021.9, 1258.9, 0.0);
(387305.0, 3814523.1, 1023.2, 1258.9, 0.0); (387316.4,
3814502.7, 1025.2, 1258.9, 0.0);
(387327.8, 3814482.3, 1026.2, 1258.9, 0.0); (387339.2,
3814461.8, 1022.9, 1258.9, 0.0);
(387350.6, 3814441.4, 1018.4, 1258.9, 0.0); (387362.0,
3814420.9, 1011.4, 1258.9, 0.0);
(387373.5, 3814400.5, 1010.4, 1258.9, 0.0); (387384.9,
3814380.0, 1012.5, 1258.9, 0.0);
(387396.3, 3814359.6, 1013.2, 1258.9, 0.0); (387407.7,
3814339.1, 1013.4, 1258.9, 0.0);
(387419.1, 3814318.7, 1011.4, 1258.9, 0.0); (387430.5,
3814298.2, 1004.4, 1258.9, 0.0);
(387441.9, 3814277.8, 995.6, 1937.2, 0.0); (387453.3,
3814257.3, 988.3, 1939.6, 0.0);
(387464.8, 3814236.9, 987.9, 1939.6, 0.0); (387476.2,
3814216.4, 989.8, 1939.6, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(387487.6, 3814196.0, 991.1, 1939.6, 0.0); (387499.0,
3814175.5, 998.6, 1939.6, 0.0);
(387510.4, 3814155.1, 1005.1, 1939.6, 0.0); (387521.8,
3814134.6, 1012.4, 1258.9, 0.0);
(387533.2, 3814114.2, 1011.3, 1939.6, 0.0); (387544.7,
3814093.8, 1013.6, 1939.6, 0.0);
(387556.1, 3814073.3, 1022.7, 1258.9, 0.0); (387567.5,
3814052.9, 1032.3, 1258.9, 0.0);
(387578.9, 3814032.4, 1040.7, 1258.9, 0.0); (387590.3,
3814012.0, 1047.5, 1258.9, 0.0);
(387601.7, 3813991.5, 1049.5, 1258.9, 0.0); (387613.1,
3813971.1, 1052.1, 1258.9, 0.0);
(387624.5, 3813950.6, 1057.3, 1258.9, 0.0); (387636.0,
3813930.2, 1064.3, 1258.9, 0.0);
(387647.4, 3813909.7, 1070.4, 1258.9, 0.0); (387658.8,
3813889.3, 1080.9, 1258.9, 0.0);

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     ( 387670.2, 3813868.8,    1092.8,    1258.9,       0.0);         ( 387681.6,
3813848.4,    1104.6,    1258.9,       0.0);
     ( 387693.0, 3813827.9,    1116.4,    1258.9,       0.0);         ( 387704.4,
3813807.5,    1127.6,    1258.9,       0.0);
     ( 387715.9, 3813787.0,    1134.9,    1258.9,       0.0);         ( 387727.3,
3813766.6,    1129.0,    1258.9,       0.0);
     ( 387738.7, 3813746.1,    1123.0,    1258.9,       0.0);         ( 387750.1,
3813725.7,    1126.8,    1258.9,       0.0);
     ( 387761.5, 3813705.3,    1137.5,    1258.9,       0.0);         ( 387772.9,
3813684.8,    1144.3,    1258.9,       0.0);
     ( 387784.3, 3813664.4,    1147.3,    1258.9,       0.0);         ( 387795.8,
3813643.9,    1144.5,    1258.9,       0.0);
     ( 387807.2, 3813623.5,    1138.2,    1258.9,       0.0);         ( 387818.6,
3813603.0,    1127.0,    1258.9,       0.0);
     ( 387830.0, 3813582.6,    1118.8,    1258.9,       0.0);         ( 387841.4,
3813562.1,    1120.6,    1258.9,       0.0);
     ( 387852.8, 3813541.7,    1127.8,    1258.9,       0.0);         ( 387864.2,
3813521.2,    1141.0,    1258.9,       0.0);
     ( 387875.6, 3813500.8,    1153.2,    1258.9,       0.0);         ( 387887.1,
3813480.3,    1165.7,    1258.9,       0.0);
     ( 387898.5, 3813459.9,    1176.7,    1258.9,       0.0);         ( 387909.9,
3813439.4,    1190.2,    1258.9,       0.0);
     ( 387921.3, 3813419.0,    1204.1,    1258.9,       0.0);         ( 387932.7,
3813398.5,    1214.4,    1258.9,       0.0);
     ( 387944.1, 3813378.1,    1216.8,    1251.2,       0.0);         ( 387955.5,
3813357.6,    1215.2,    1251.2,       0.0);
     ( 387967.0, 3813337.2,    1209.9,    1253.2,       0.0);         ( 387978.4,
3813316.8,    1200.4,    1258.9,       0.0);
     ( 387989.8, 3813296.3,    1186.6,    1258.9,       0.0);         ( 388001.2,
3813275.9,    1169.8,    1258.9,       0.0);
     ( 388012.6, 3813255.4,    1154.5,    1258.9,       0.0);         ( 388024.0,
3813235.0,    1138.5,    1258.9,       0.0);
     ( 388035.4, 3813214.5,    1132.5,    1258.9,       0.0);         ( 388046.8,
3813194.1,    1128.0,    1258.9,       0.0);
     ( 388058.2, 3813173.6,    1125.3,    1258.9,       0.0);         ( 388069.7,
3813153.2,    1119.7,    1939.6,       0.0);
     ( 388081.1, 3813132.7,    1113.8,    1939.6,       0.0);         ( 388092.5,
3813112.3,    1107.7,    1939.6,       0.0);
     ( 388103.9, 3813091.8,    1103.5,    1958.8,       0.0);         ( 388115.3,
3813071.4,    1098.8,    1958.8,       0.0);
     ( 388126.7, 3813050.9,    1092.1,    1981.2,       0.0);         ( 388138.1,
3813030.5,    1082.1,    1981.2,       0.0);
     ( 388149.6, 3813010.0,    1071.5,    1989.0,       0.0);         ( 388161.0,
3812989.6,    1060.5,    1990.0,       0.0);
     ( 388172.4, 3812969.1,    1049.3,    1990.0,       0.0);         ( 388183.8,
3812948.7,    1037.9,    1990.0,       0.0);
     ( 388195.2, 3812928.2,    1026.4,    1990.0,       0.0);         ( 388206.6,
3812907.8,    1014.7,    1990.0,       0.0);
     ( 388218.0, 3812887.4,    1003.1,    1990.0,       0.0);         ( 388229.5,
3812866.9,     991.8,    1990.0,       0.0);
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     ( 388674.6, 3812069.5,     778.6,    1990.0,       0.0);         ( 388686.0,
3812049.0,     778.5,    1990.0,       0.0);
     ( 388697.4, 3812028.6,     778.2,    1990.0,       0.0);         ( 388708.8,
3812008.1,     778.2,    1990.0,       0.0);
     ( 388720.2, 3811987.7,     778.2,    1990.0,       0.0);         ( 388731.6,
3811967.2,     777.6,    1990.0,       0.0);
     ( 388743.0, 3811946.8,     775.3,    1990.0,       0.0);         ( 388754.5,
3811926.3,     773.6,    1990.0,       0.0);
     ( 388765.9, 3811905.9,     772.8,    1990.0,       0.0);         ( 388777.3,
3811885.4,     772.2,    1990.0,       0.0);
     ( 388788.7, 3811865.0,     775.3,    1990.0,       0.0);         ( 388800.1,
3811844.5,     782.0,    1990.0,       0.0);
     ( 388811.5, 3811824.1,     785.1,    1990.0,       0.0);         ( 388822.9,
3811803.6,     787.2,    1990.0,       0.0);
     ( 388834.3, 3811783.2,     789.0,    1990.0,       0.0);         ( 388845.8,
3811762.8,     791.2,    1990.0,       0.0);
     ( 388857.2, 3811742.3,     794.0,    1990.0,       0.0);         ( 388868.6,
3811721.9,     797.7,    1990.0,       0.0);
     ( 388880.0, 3811701.4,     802.2,    1990.0,       0.0);         ( 388891.4,
3811681.0,     805.1,    1990.0,       0.0);
     ( 388902.8, 3811660.5,     798.4,    1990.0,       0.0);         ( 388914.2,
3811640.1,     798.1,    1990.0,       0.0);
     ( 388925.7, 3811619.6,     801.7,    1990.0,       0.0);         ( 388937.1,
3811599.2,     804.6,    1990.0,       0.0);
     ( 388948.5, 3811578.7,     805.3,    1990.0,       0.0);         ( 388959.9,
3811558.3,     805.7,    1990.0,       0.0);
     ( 388971.3, 3811537.8,     807.9,    1990.0,       0.0);         ( 388982.7,
3811517.4,     807.3,    1990.0,       0.0);
     ( 388994.1, 3811496.9,     804.7,    1990.0,       0.0);         ( 389005.5,
3811476.5,     808.0,    1990.0,       0.0);
     ( 389017.0, 3811456.0,     809.3,    1990.0,       0.0);         ( 389028.4,
3811435.6,     809.0,    1990.0,       0.0);
     ( 389039.8, 3811415.1,     808.1,    1990.0,       0.0);         ( 389051.2,
3811394.7,     809.0,    1990.0,       0.0);
     ( 389062.6, 3811374.2,     814.5,    1990.0,       0.0);         ( 389074.0,
3811353.8,     819.0,    1990.0,       0.0);
     ( 389085.5, 3811333.4,     819.9,    1990.0,       0.0);         ( 389096.9,
3811312.9,     819.7,    1990.0,       0.0);
     ( 389108.3, 3811292.5,     823.8,    1990.0,       0.0);         ( 389119.7,
3811272.0,     828.1,    1990.0,       0.0);
     ( 389131.1, 3811251.6,     835.1,    1990.0,       0.0);         ( 389142.5,
3811231.1,     844.5,    1990.0,       0.0);
     ( 389153.9, 3811210.7,     851.3,    1990.0,       0.0);         ( 389165.3,
3811190.2,     855.2,    1990.0,       0.0);
     ( 389176.8, 3811169.8,     860.9,    1990.0,       0.0);         ( 389188.2,
3811149.3,     865.8,    1990.0,       0.0);
     ( 389199.6, 3811128.9,     871.9,    1990.0,       0.0);         ( 389211.0,
3811108.4,     869.6,    1990.0,       0.0);
     ( 389222.4, 3811088.0,     867.7,    1990.0,       0.0);         ( 389233.8,
3811067.5,     869.7,    1990.0,       0.0);
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(389245.2, 3811047.1, 866.1, 1990.0, 0.0); (389256.6, 3811026.6, 861.9, 1990.0, 0.0);
(389268.1, 3811006.2, 861.0, 1990.0, 0.0); (389279.5, 3810985.8, 854.1, 1990.0, 0.0);
(389290.9, 3810965.3, 849.6, 1990.0, 0.0); (389302.3, 3810944.9, 855.7, 1990.0, 0.0);
(389313.7, 3810924.4, 857.6, 1990.0, 0.0); (389325.1, 3810904.0, 854.5, 1990.0, 0.0);
(389336.5, 3810883.5, 851.3, 1990.0, 0.0); (389348.0, 3810863.1, 853.5, 1990.0, 0.0);
(389359.4, 3810842.6, 858.6, 1990.0, 0.0); (389370.8, 3810822.2, 863.5, 1990.0, 0.0);
(389382.2, 3810801.7, 868.4, 1990.0, 0.0); (389393.6, 3810781.3, 871.7, 1990.0, 0.0);
(389405.0, 3810760.8, 867.6, 1990.0, 0.0); (389416.4, 3810740.4, 868.6, 1990.0, 0.0);
(389427.8, 3810719.9, 873.7, 1990.0, 0.0); (389439.3, 3810699.5, 876.9, 1990.0, 0.0);
(389450.7, 3810679.0, 881.0, 1990.0, 0.0); (389462.1, 3810658.6, 884.0, 1990.0, 0.0);
(389473.5, 3810638.1, 881.6, 1990.0, 0.0); (389484.9, 3810617.7, 870.0, 1990.0, 0.0);
(389496.3, 3810597.2, 857.9, 1990.0, 0.0); (389507.7, 3810576.8, 844.7, 1990.0, 0.0);
(389519.1, 3810556.3, 844.0, 1990.0, 0.0); (389530.6, 3810535.9, 852.2, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(389542.0, 3810515.5, 858.3, 1990.0, 0.0); (389553.4, 3810495.0, 861.6, 1990.0, 0.0);
(389564.8, 3810474.6, 863.3, 1990.0, 0.0); (389576.2, 3810454.1, 863.1, 1990.0, 0.0);
(389587.6, 3810433.7, 866.0, 1990.0, 0.0); (389599.0, 3810413.2, 872.0, 1990.0, 0.0);
(389610.5, 3810392.8, 867.9, 1990.0, 0.0); (389621.9, 3810372.3, 864.4, 1990.0, 0.0);
(389633.3, 3810351.9, 867.9, 1990.0, 0.0); (389644.7, 3810331.4, 868.4, 1990.0, 0.0);
(389656.1, 3810311.0, 868.8, 1990.0, 0.0); (389667.5, 3810290.5, 867.6, 1990.0, 0.0);

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     ( 389678.9, 3810270.1,     867.0,    1990.0,       0.0);         ( 389690.3,
3810249.6,     867.2,    1990.0,       0.0);
     ( 389701.8, 3810229.2,     867.9,    1990.0,       0.0);         ( 389713.2,
3810208.8,     868.7,    1990.0,       0.0);
     ( 389724.6, 3810188.3,     866.7,    1990.0,       0.0);         ( 389736.0,
3810167.8,     871.5,    1990.0,       0.0);
     ( 389747.4, 3810147.4,     873.9,    1990.0,       0.0);         ( 389758.8,
3810127.0,     877.1,    1990.0,       0.0);
     ( 389770.2, 3810106.5,     875.5,    1990.0,       0.0);         ( 389781.6,
3810086.1,     879.3,    1990.0,       0.0);
     ( 389793.1, 3810065.6,     889.0,    1990.0,       0.0);         ( 389804.5,
3810045.2,     895.5,    1990.0,       0.0);
     ( 389815.9, 3810024.7,     907.2,    1990.0,       0.0);         ( 389827.3,
3810004.3,     920.9,    1990.0,       0.0);
     ( 389838.7, 3809983.8,     925.6,    1990.0,       0.0);         ( 389850.1,
3809963.4,     929.6,    1990.0,       0.0);
     ( 389861.5, 3809942.9,     932.0,    1990.0,       0.0);         ( 389873.0,
3809922.5,     934.5,    1990.0,       0.0);
     ( 389884.4, 3809902.0,     936.6,    1990.0,       0.0);         ( 389895.8,
3809881.6,     938.5,    1990.0,       0.0);
     ( 389907.2, 3809861.1,     939.8,    1990.0,       0.0);         ( 389918.6,
3809840.7,     940.9,    1990.0,       0.0);
     ( 389930.0, 3809820.2,     942.4,    1990.0,       0.0);         ( 389941.4,
3809799.8,     944.2,    1990.0,       0.0);
     ( 389952.8, 3809779.3,     946.2,    1990.0,       0.0);         ( 389964.3,
3809758.9,     948.0,    1990.0,       0.0);
     ( 389975.7, 3809738.5,     950.1,    1990.0,       0.0);         ( 389987.1,
3809718.0,     951.7,    1990.0,       0.0);
     ( 389998.5, 3809697.6,     953.2,    1990.0,       0.0);         ( 390009.9,
3809677.1,     955.2,    1990.0,       0.0);
     ( 390021.3, 3809656.7,     957.4,    1990.0,       0.0);         ( 390032.7,
3809636.2,     958.2,    1990.0,       0.0);
     ( 390044.2, 3809615.8,     957.3,    1990.0,       0.0);         ( 390055.6,
3809595.3,     954.3,    1990.0,       0.0);
     ( 390067.0, 3809574.9,     947.7,    1990.0,       0.0);         ( 390078.4,
3809554.4,     944.5,    1990.0,       0.0);
     ( 390113.1, 3809531.4,     952.2,    1990.0,       0.0);         ( 390136.4,
3809528.8,     953.0,    1990.0,       0.0);
     ( 390159.6, 3809526.2,     954.1,    1990.0,       0.0);         ( 390182.9,
3809523.7,     953.7,    1990.0,       0.0);
     ( 390206.2, 3809521.1,     953.6,    1990.0,       0.0);         ( 390229.5,
3809518.5,     955.3,    1990.0,       0.0);
     ( 390252.7, 3809515.9,     957.4,    1990.0,       0.0);         ( 390276.0,
3809513.3,     958.9,    1990.0,       0.0);
     ( 390299.3, 3809510.8,     959.7,    1990.0,       0.0);         ( 390322.6,
3809508.2,     958.6,    1990.0,       0.0);
     ( 390345.8, 3809505.6,     954.9,    1990.0,       0.0);         ( 390369.1,
3809503.0,     950.0,    1990.0,       0.0);
     ( 390392.4, 3809500.4,     946.5,    1990.0,       0.0);         ( 390415.6,
3809497.8,     945.5,    1990.0,       0.0);
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(390438.9, 3809495.3, 945.1, 1990.0, 0.0); (390462.2, 3809492.7, 943.8, 1990.0, 0.0);
(390485.5, 3809490.1, 941.8, 1990.0, 0.0); (390508.8, 3809487.5, 940.3, 1990.0, 0.0);
(390532.0, 3809484.9, 933.7, 1990.0, 0.0); (390555.3, 3809482.4, 937.1, 1990.0, 0.0);
(390578.6, 3809479.8, 938.5, 1990.0, 0.0); (390601.8, 3809477.2, 939.2, 1990.0, 0.0);
(390625.1, 3809474.6, 942.3, 1990.0, 0.0); (390648.4, 3809472.0, 945.2, 1990.0, 0.0);
(390671.7, 3809469.5, 942.8, 1990.0, 0.0); (390695.0, 3809466.9, 939.3, 1990.0, 0.0);
(390718.2, 3809464.3, 941.4, 1990.0, 0.0); (390741.5, 3809461.7, 940.9, 1990.0, 0.0);
(390764.8, 3809459.1, 942.3, 1990.0, 0.0); (390788.0, 3809456.6, 951.4, 1990.0, 0.0);
(390811.3, 3809454.0, 953.2, 1990.0, 0.0); (390834.6, 3809451.4, 953.6, 1990.0, 0.0);
(390857.9, 3809448.8, 954.5, 1990.0, 0.0); (390881.1, 3809446.2, 954.9, 1990.0, 0.0);
(390904.4, 3809443.7, 955.0, 1990.0, 0.0); (390927.7, 3809441.1, 954.4, 1990.0, 0.0);
(390951.0, 3809438.5, 954.1, 1990.0, 0.0); (390974.2, 3809435.9, 954.5, 1990.0, 0.0);
(390997.5, 3809433.3, 953.9, 1990.0, 0.0); (391020.8, 3809430.8, 952.7, 1990.0, 0.0);
(391044.1, 3809428.2, 951.0, 1990.0, 0.0); (391067.3, 3809425.6, 950.0, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(391090.6, 3809423.0, 948.6, 1990.0, 0.0); (391113.9, 3809420.4, 945.4, 1990.0, 0.0);
(391137.2, 3809417.8, 941.2, 1990.0, 0.0); (391160.4, 3809415.3, 938.4, 1990.0, 0.0);
(391183.7, 3809412.7, 935.0, 1990.0, 0.0); (391207.0, 3809410.1, 930.7, 1990.0, 0.0);
(391230.3, 3809407.5, 927.4, 1990.0, 0.0); (391253.5, 3809404.9, 926.6, 1990.0, 0.0);
(391276.8, 3809402.4, 928.9, 1990.0, 0.0); (391300.1, 3809399.8, 935.7, 1990.0, 0.0);

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    ( 391323.3, 3809397.2,     942.2,    1990.0,       0.0);         ( 391346.6,
3809394.6,     943.3,    1990.0,       0.0);
    ( 391369.9, 3809392.0,     943.0,    1990.0,       0.0);         ( 391393.2,
3809389.5,     941.2,    1990.0,       0.0);
    ( 391416.5, 3809386.9,     934.7,    1990.0,       0.0);         ( 391439.7,
3809384.3,     929.2,    1990.0,       0.0);
    ( 391463.0, 3809381.7,     929.1,    1990.0,       0.0);         ( 391486.3,
3809379.1,     935.0,    1990.0,       0.0);
    ( 391509.5, 3809376.6,     940.6,    1990.0,       0.0);         ( 391532.8,
3809374.0,     938.9,    1990.0,       0.0);
    ( 391556.1, 3809371.4,     937.1,    1990.0,       0.0);         ( 391579.4,
3809368.8,     945.6,    1990.0,       0.0);
    ( 391602.6, 3809366.2,     948.0,    1990.0,       0.0);         ( 391625.9,
3809363.6,     947.9,    1990.0,       0.0);
    ( 391649.2, 3809361.1,     948.6,    1990.0,       0.0);         ( 391672.5,
3809358.5,     949.7,    1990.0,       0.0);
    ( 391695.8, 3809355.9,     950.8,    1990.0,       0.0);         ( 391719.0,
3809353.3,     952.5,    1990.0,       0.0);
    ( 391742.3, 3809350.8,     954.2,    1990.0,       0.0);         ( 391765.6,
3809348.2,     954.3,    1990.0,       0.0);
    ( 391788.8, 3809345.6,     953.6,    1990.0,       0.0);         ( 391812.1,
3809343.0,     955.2,    1990.0,       0.0);
    ( 391835.4, 3809340.4,     958.0,    1990.0,       0.0);         ( 391858.7,
3809337.8,     963.7,    1990.0,       0.0);
    ( 391881.9, 3809335.3,     961.3,    1990.0,       0.0);         ( 391905.2,
3809332.7,     964.4,    1990.0,       0.0);
    ( 391928.5, 3809330.1,     967.2,    1990.0,       0.0);         ( 391951.8,
3809327.5,     968.2,    1990.0,       0.0);
    ( 391975.0, 3809324.9,     968.2,    1990.0,       0.0);         ( 391998.3,
3809322.4,     967.6,    1990.0,       0.0);
    ( 392021.6, 3809319.8,     968.0,    1990.0,       0.0);         ( 392044.9,
3809317.2,     971.5,    1990.0,       0.0);
    ( 392068.1, 3809314.6,     974.5,    1990.0,       0.0);         ( 392091.4,
3809312.0,     970.5,    1990.0,       0.0);
    ( 392114.7, 3809309.5,     968.3,    1990.0,       0.0);         ( 392138.0,
3809306.9,     973.0,    1990.0,       0.0);
    ( 392161.2, 3809304.3,     974.8,    1990.0,       0.0);         ( 392184.5,
3809301.7,     975.7,    1990.0,       0.0);
    ( 392207.8, 3809299.1,     977.0,    1990.0,       0.0);         ( 392231.1,
3809296.5,     976.1,    1990.0,       0.0);
    ( 392254.3, 3809294.0,     975.3,    1990.0,       0.0);         ( 392277.6,
3809291.4,     977.3,    1990.0,       0.0);
    ( 392300.9, 3809288.8,     980.8,    1990.0,       0.0);         ( 392324.1,
3809286.2,     982.1,    1990.0,       0.0);
    ( 392347.4, 3809283.6,     984.2,    1990.0,       0.0);         ( 392370.7,
3809281.1,     983.2,    1990.0,       0.0);
    ( 392394.0, 3809278.5,     982.1,    1990.0,       0.0);         ( 392417.2,
3809275.9,     985.4,    1990.0,       0.0);
    ( 392440.5, 3809273.3,     986.8,    1990.0,       0.0);         ( 392463.8,
3809270.7,     991.1,    1990.0,       0.0);
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(392487.1, 3809268.2, 994.9, 1990.0, 0.0); (392510.3, 3809265.6, 995.5, 1990.0, 0.0);
(392533.6, 3809263.0, 997.7, 1990.0, 0.0); (392556.9, 3809260.4, 1000.6, 1990.0, 0.0);
(392580.2, 3809257.8, 999.7, 1990.0, 0.0); (392603.5, 3809255.3, 999.6, 1990.0, 0.0);
(392626.7, 3809252.7, 1003.9, 1990.0, 0.0); (392650.0, 3809250.1, 1003.9, 1990.0, 0.0);
(392673.3, 3809247.5, 1009.3, 1990.0, 0.0); (392696.5, 3809244.9, 1010.5, 1990.0, 0.0);
(392719.8, 3809242.4, 1011.6, 1990.0, 0.0); (392743.1, 3809239.8, 1016.5, 1990.0, 0.0);
(392766.4, 3809237.2, 1019.7, 1990.0, 0.0); (392789.6, 3809234.6, 1019.2, 1990.0, 0.0);
(392812.9, 3809232.0, 1020.7, 1990.0, 0.0); (392836.2, 3809229.4, 1024.1, 1990.0, 0.0);
(392859.5, 3809226.9, 1025.0, 1990.0, 0.0); (392882.7, 3809224.3, 1028.5, 1990.0, 0.0);
(392906.0, 3809221.7, 1033.2, 1990.0, 0.0); (392929.3, 3809219.1, 1036.7, 1990.0, 0.0);
(392952.6, 3809216.5, 1038.1, 1990.0, 0.0); (392975.8, 3809214.0, 1039.9, 1990.0, 0.0);
(392999.1, 3809211.4, 1040.1, 1990.0, 0.0); (393022.4, 3809208.8, 1043.2, 1990.0, 0.0);
(393045.7, 3809206.2, 1048.9, 1990.0, 0.0); (393068.9, 3809203.6, 1054.3, 1990.0, 0.0);
(393092.2, 3809201.1, 1058.5, 1990.0, 0.0); (393115.5, 3809198.5, 1063.3, 1990.0, 0.0);
(393138.8, 3809195.9, 1071.8, 1990.0, 0.0); (393162.0, 3809193.3, 1082.2, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(393185.3, 3809190.7, 1095.4, 1990.0, 0.0); (393208.6, 3809188.2, 1108.2, 1990.0, 0.0);
(393231.9, 3809185.6, 1120.6, 1990.0, 0.0); (393255.1, 3809183.0, 1134.2, 1990.0, 0.0);
(393278.4, 3809180.4, 1146.9, 1990.0, 0.0); (393301.7, 3809177.8, 1156.4, 1990.0, 0.0);
(393325.0, 3809175.3, 1162.0, 1990.0, 0.0); (393348.2, 3809172.7, 1162.8, 1990.0, 0.0);

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    ( 393371.5, 3809170.1,    1159.2,    1990.0,       0.0);         ( 393394.8,
3809167.5,    1153.9,    1990.0,       0.0);
    ( 393418.0, 3809164.9,    1148.2,    1990.0,       0.0);         ( 393441.3,
3809162.3,    1142.6,    1990.0,       0.0);
    ( 393464.6, 3809159.8,    1136.3,    1990.0,       0.0);         ( 393487.9,
3809157.2,    1128.9,    1990.0,       0.0);
    ( 393511.1, 3809154.6,    1122.9,    1990.0,       0.0);         ( 393534.4,
3809152.0,    1117.7,    1990.0,       0.0);
    ( 393557.7, 3809149.4,    1113.0,    1990.0,       0.0);         ( 393976.6,
3809103.0,    1098.0,    1990.0,       0.0);
    ( 393999.9, 3809100.4,    1098.6,    2003.2,       0.0);         ( 394023.2,
3809097.8,    1102.0,    1990.0,       0.0);
    ( 394046.5, 3809095.2,    1102.4,    2003.2,       0.0);         ( 394069.7,
3809092.7,    1100.4,    2003.6,       0.0);
    ( 394093.0, 3809090.1,    1101.5,    2010.3,       0.0);         ( 394116.3,
3809087.5,    1097.2,    2010.3,       0.0);
    ( 394139.6, 3809084.9,    1090.4,    2010.3,       0.0);         ( 394162.8,
3809082.3,    1087.6,    2010.3,       0.0);
    ( 394186.1, 3809079.8,    1087.0,    2010.3,       0.0);         ( 394209.4,
3809077.2,    1091.2,    2010.3,       0.0);
    ( 394232.7, 3809074.6,    1098.9,    2010.3,       0.0);         ( 394255.9,
3809072.0,    1102.2,    2010.3,       0.0);
    ( 394279.2, 3809069.4,    1105.6,    2010.3,       0.0);         ( 394302.5,
3809066.9,    1108.6,    2010.3,       0.0);
    ( 394325.8, 3809064.3,    1112.0,    2010.3,       0.0);         ( 394349.0,
3809061.7,    1118.0,    2010.3,       0.0);
    ( 394372.3, 3809059.1,    1127.8,    2003.6,       0.0);         ( 394395.6,
3809056.5,    1139.2,    1990.0,       0.0);
    ( 394418.8, 3809054.0,    1148.6,    1990.0,       0.0);         ( 394442.1,
3809051.4,    1154.3,    1990.0,       0.0);
    ( 394465.4, 3809048.8,    1158.5,    1990.0,       0.0);         ( 394488.7,
3809046.2,    1163.8,    1990.0,       0.0);
    ( 394512.0, 3809043.6,    1168.8,    1990.0,       0.0);         ( 394535.2,
3809041.0,    1170.3,    1990.0,       0.0);
    ( 394558.5, 3809038.5,    1175.0,    1990.0,       0.0);         ( 394581.8,
3809035.9,    1180.9,    1990.0,       0.0);
    ( 394605.0, 3809033.3,    1190.0,    1990.0,       0.0);         ( 394628.3,
3809030.7,    1197.8,    1990.0,       0.0);
    ( 394651.6, 3809028.1,    1209.0,    1990.0,       0.0);         ( 394674.9,
3809025.6,    1223.0,    1990.0,       0.0);
    ( 394698.1, 3809023.0,    1237.8,    1990.0,       0.0);         ( 394721.4,
3809020.4,    1255.0,    1990.0,       0.0);
    ( 394744.7, 3809017.8,    1272.0,    1990.0,       0.0);         ( 394768.0,
3809015.2,    1288.0,    1990.0,       0.0);
    ( 394791.2, 3809012.7,    1304.3,    1990.0,       0.0);         ( 394814.5,
3809010.1,    1322.0,    1990.0,       0.0);
    ( 394837.8, 3809007.5,    1332.0,    1990.0,       0.0);         ( 394861.1,
3809004.9,    1335.2,    1990.0,       0.0);
    ( 394884.3, 3809002.3,    1337.4,    1990.0,       0.0);         ( 394907.6,
3808999.8,    1341.3,    1990.0,       0.0);
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(394930.9, 3808997.2, 1348.9, 1990.0, 0.0); (394954.2,
3808994.6, 1361.1, 1990.0, 0.0);
(394977.4, 3808992.0, 1376.5, 1990.0, 0.0); (395000.7,
3808989.4, 1390.6, 1990.0, 0.0);
(395024.0, 3808986.9, 1395.6, 1990.0, 0.0); (395047.3,
3808984.3, 1388.5, 1990.0, 0.0);
(395070.5, 3808981.7, 1378.0, 1990.0, 0.0); (395093.8,
3808979.1, 1367.3, 1990.0, 0.0);
(395117.1, 3808976.5, 1367.0, 1990.0, 0.0); (395140.4,
3808973.9, 1369.3, 1990.0, 0.0);
(395163.6, 3808971.4, 1367.4, 1990.0, 0.0); (395186.9,
3808968.8, 1371.0, 1990.0, 0.0);
(395210.2, 3808966.2, 1383.8, 1990.0, 0.0); (395233.5,
3808963.6, 1397.8, 1990.0, 0.0);
(395256.7, 3808961.0, 1406.8, 1990.0, 0.0); (395280.0,
3808958.5, 1417.7, 1990.0, 0.0);
(395303.3, 3808955.9, 1428.8, 1832.7, 0.0); (395326.5,
3808953.3, 1433.0, 1832.7, 0.0);
(395349.8, 3808950.7, 1432.5, 1832.7, 0.0); (395373.1,
3808948.1, 1431.4, 1832.7, 0.0);
(395396.4, 3808945.6, 1432.4, 1832.7, 0.0); (395419.6,
3808943.0, 1435.2, 1832.7, 0.0);
(395442.9, 3808940.4, 1439.0, 1832.7, 0.0); (395466.2,
3808937.8, 1443.7, 1832.7, 0.0);
(395489.5, 3808935.2, 1449.0, 1832.7, 0.0); (395512.8,
3808932.7, 1455.3, 1832.7, 0.0);
(395536.0, 3808930.1, 1463.4, 1614.7, 0.0); (395559.3,
3808927.5, 1472.2, 1614.7, 0.0);
(395582.6, 3808924.9, 1472.4, 1614.7, 0.0); (395605.8,
3808922.3, 1461.1, 1832.7, 0.0);
(395629.1, 3808919.8, 1454.8, 1832.7, 0.0); (395652.4,
3808917.2, 1449.8, 1832.7, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(395675.7, 3808914.6, 1444.7, 1832.7, 0.0); (395698.9,
3808912.0, 1438.6, 1832.7, 0.0);
(395722.2, 3808909.4, 1431.1, 1832.7, 0.0); (395745.5,
3808906.8, 1422.0, 1832.7, 0.0);
(395768.8, 3808904.3, 1411.2, 1832.7, 0.0); (395792.0,
3808901.7, 1399.7, 1832.7, 0.0);

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    ( 395815.3, 3808899.1,    1389.5,    1990.0,       0.0);         ( 395838.6,
3808896.5,    1382.0,    1990.0,       0.0);
    ( 395861.9, 3808893.9,    1375.0,    1990.0,       0.0);         ( 395885.1,
3808891.4,    1368.5,    1990.0,       0.0);
    ( 395908.4, 3808888.8,    1362.0,    1990.0,       0.0);         ( 395931.7,
3808886.2,    1355.0,    1990.0,       0.0);
    ( 395955.0, 3808883.6,    1346.3,    1990.0,       0.0);         ( 395978.2,
3808881.0,    1336.5,    1990.0,       0.0);
    ( 396001.5, 3808878.5,    1326.5,    1990.0,       0.0);         ( 396024.8,
3808875.9,    1316.1,    1990.0,       0.0);
    ( 396048.1, 3808873.3,    1305.3,    1990.0,       0.0);         ( 396071.3,
3808870.7,    1295.5,    1990.0,       0.0);
    ( 396094.6, 3808868.1,    1288.0,    1990.0,       0.0);         ( 396117.9,
3808865.6,    1283.0,    1990.0,       0.0);
    ( 396141.2, 3808863.0,    1280.0,    2001.6,       0.0);         ( 396164.4,
3808860.4,    1274.4,    2061.5,       0.0);
    ( 396187.7, 3808857.8,    1268.2,    2084.7,       0.0);         ( 396211.0,
3808855.2,    1259.7,    2084.7,       0.0);
    ( 396234.2, 3808852.7,    1251.4,    2084.7,       0.0);         ( 396257.5,
3808850.1,    1242.7,    2084.7,       0.0);
    ( 396280.8, 3808847.5,    1232.7,    2086.2,       0.0);         ( 396304.1,
3808844.9,    1222.7,    2170.7,       0.0);
    ( 396327.3, 3808842.3,    1216.3,    2170.7,       0.0);         ( 396350.6,
3808839.8,    1209.8,    2170.7,       0.0);
    ( 396373.9, 3808837.2,    1201.3,    2170.7,       0.0);         ( 396397.2,
3808834.6,    1184.6,    2170.7,       0.0);
    ( 396420.5, 3808832.0,    1170.6,    2170.7,       0.0);         ( 396443.7,
3808829.4,    1161.2,    2170.7,       0.0);
    ( 396467.0, 3808826.8,    1153.8,    2170.7,       0.0);         ( 396490.3,
3808824.3,    1148.9,    2170.7,       0.0);
    ( 396513.5, 3808821.7,    1144.9,    2170.7,       0.0);         ( 396536.8,
3808819.1,    1141.9,    2170.7,       0.0);
    ( 396560.1, 3808816.5,    1139.8,    2170.7,       0.0);         ( 396583.4,
3808813.9,    1135.8,    2170.7,       0.0);
    ( 396606.6, 3808811.4,    1132.6,    2170.7,       0.0);         ( 396629.9,
3808808.8,    1132.7,    2170.7,       0.0);
    ( 396653.2, 3808806.2,    1129.8,    2170.7,       0.0);         ( 396676.5,
3808803.6,    1122.3,    2170.7,       0.0);
    ( 396699.7, 3808801.0,    1120.5,    2170.7,       0.0);         ( 396723.0,
3808798.5,    1122.6,    2170.7,       0.0);
    ( 396746.3, 3808795.9,    1126.5,    2170.7,       0.0);         ( 396769.6,
3808793.3,    1130.8,    2170.7,       0.0);
    ( 396792.8, 3808790.7,    1133.5,    2170.7,       0.0);         ( 396816.1,
3808788.1,    1135.3,    2170.7,       0.0);
    ( 396839.4, 3808785.6,    1138.1,    2170.7,       0.0);         ( 396862.7,
3808783.0,    1141.2,    2170.7,       0.0);
    ( 396885.9, 3808780.4,    1143.8,    2170.7,       0.0);         ( 396909.2,
3808777.8,    1149.0,    2170.7,       0.0);
    ( 396932.5, 3808775.2,    1149.6,    2170.7,       0.0);         ( 396955.8,
3808772.6,    1152.7,    2170.7,       0.0);
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(396979.0, 3808770.1, 1153.5, 2170.7, 0.0); (397002.3, 3808767.5, 1155.6, 2170.7, 0.0);
(397025.6, 3808764.9, 1156.6, 2170.7, 0.0); (397048.9, 3808762.3, 1157.3, 2170.7, 0.0);
(397072.1, 3808759.8, 1155.4, 2170.7, 0.0); (397095.4, 3808757.2, 1151.9, 2170.7, 0.0);
(397118.7, 3808754.6, 1151.8, 2170.7, 0.0); (397142.0, 3808752.0, 1153.4, 2170.7, 0.0);
(397165.2, 3808749.4, 1159.2, 2170.7, 0.0); (397188.5, 3808746.8, 1167.3, 2170.7, 0.0);
(397211.8, 3808744.3, 1173.9, 2170.7, 0.0); (386586.0, 3815811.3, 1029.6, 1102.8, 0.0);
(386585.2, 3815834.8, 1023.2, 1102.8, 0.0); (386584.4, 3815858.3, 1016.8, 1102.8, 0.0);
(386583.6, 3815881.8, 1010.6, 1102.8, 0.0); (386582.8, 3815905.2, 1006.0, 1102.8, 0.0);
(386582.0, 3815928.7, 1004.1, 1102.8, 0.0); (386581.2, 3815952.2,   998.8, 1258.9, 0.0);
(386580.4, 3815975.6,   992.6, 1258.9, 0.0); (386579.7, 3815999.1,   987.0, 1258.9, 0.0);
(386578.9, 3816022.6,   984.0, 1258.9, 0.0); (386578.1, 3816046.1,   978.2, 1258.9, 0.0);
(386577.3, 3816069.5,   972.9, 1258.9, 0.0); (386576.5, 3816093.0,   968.7, 1258.9, 0.0);
(385264.8, 3815746.3,   929.0, 1150.0, 0.0); (385276.2, 3815725.8,   925.0, 1150.0, 0.0);
(385287.6, 3815705.4,   918.9, 1258.9, 0.0); (385299.0, 3815684.9,   917.0, 1258.9, 0.0);
(385310.5, 3815664.4,   922.6, 1258.9, 0.0); (385321.9, 3815644.0,   936.2, 1102.8, 0.0);
(385333.3, 3815623.5,   943.2, 1102.8, 0.0); (385344.7, 3815603.1,   951.1, 1102.8, 0.0);
(385356.1, 3815582.6,   955.7, 1102.8, 0.0); (385367.5, 3815562.2,   959.7, 1102.8, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(385379.0, 3815541.7,   962.2, 1102.8, 0.0); (385390.4, 3815521.3,   963.1, 1102.8, 0.0);
(385401.8, 3815500.8,   958.9, 1102.8, 0.0); (385413.2, 3815480.3,   949.8, 1102.8, 0.0);

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    ( 385424.6, 3815459.9,     940.4,    1258.9,       0.0);         ( 385436.0,
3815439.4,     931.0,    1258.9,       0.0);
    ( 385447.5, 3815419.0,     921.9,    1258.9,       0.0);         ( 385458.9,
3815398.5,     922.2,    1258.9,       0.0);
    ( 385470.3, 3815378.1,     920.2,    1258.9,       0.0);         ( 385481.7,
3815357.6,     917.0,    1258.9,       0.0);
    ( 385493.1, 3815337.2,     916.9,    1258.9,       0.0);         ( 385504.5,
3815316.7,     923.0,    1258.9,       0.0);
    ( 385516.0, 3815296.2,     930.9,    1258.9,       0.0);         ( 385527.4,
3815275.8,     934.0,    1258.9,       0.0);
    ( 385538.8, 3815255.3,     935.3,    1258.9,       0.0);         ( 385550.2,
3815234.9,     935.2,    1258.9,       0.0);
    ( 385561.6, 3815214.4,     935.4,    1258.9,       0.0);         ( 385573.1,
3815194.0,     931.8,    1258.9,       0.0);
    ( 385584.5, 3815173.5,     927.4,    1258.9,       0.0);         ( 385595.9,
3815153.1,     929.8,    1258.9,       0.0);
    ( 385607.3, 3815132.6,     936.6,    1258.9,       0.0);         ( 385618.7,
3815112.1,     945.9,    1258.9,       0.0);
    ( 385630.1, 3815091.7,     954.1,    1258.9,       0.0);         ( 385641.6,
3815071.2,     954.2,    1258.9,       0.0);
    ( 385653.0, 3815050.8,     948.8,    1258.9,       0.0);         ( 385664.4,
3815030.3,     942.2,    1258.9,       0.0);
    ( 385675.8, 3815009.9,     935.2,    1258.9,       0.0);         ( 385687.2,
3814989.4,     928.8,    1258.9,       0.0);
    ( 385698.6, 3814968.9,     923.1,    1258.9,       0.0);         ( 385710.1,
3814948.5,     919.1,    1258.9,       0.0);
    ( 385721.5, 3814928.0,     914.4,    1258.9,       0.0);         ( 385732.9,
3814907.6,     915.3,    1258.9,       0.0);
    ( 385744.3, 3814887.1,     914.8,    1258.9,       0.0);         ( 385755.7,
3814866.7,     912.0,    1258.9,       0.0);
    ( 385767.2, 3814846.2,     907.2,    1258.9,       0.0);         ( 385778.6,
3814825.8,     900.2,    1258.9,       0.0);
    ( 385790.0, 3814805.3,     891.9,    1258.9,       0.0);         ( 385801.4,
3814784.8,     892.0,    1258.9,       0.0);
    ( 385812.8, 3814764.4,     889.4,    1258.9,       0.0);         ( 385824.2,
3814743.9,     887.0,    1258.9,       0.0);
    ( 385835.7, 3814723.5,     886.4,    1258.9,       0.0);         ( 385847.1,
3814703.0,     886.3,    1937.2,       0.0);
    ( 385858.5, 3814682.6,     886.8,    1939.6,       0.0);         ( 385869.9,
3814662.1,     890.2,    1939.6,       0.0);
    ( 385881.3, 3814641.7,     891.1,    1939.6,       0.0);         ( 385892.8,
3814621.2,     890.6,    1939.6,       0.0);
    ( 385904.2, 3814600.8,     892.7,    1939.6,       0.0);         ( 385915.6,
3814580.3,     893.9,    1939.6,       0.0);
    ( 385927.0, 3814559.8,     893.2,    1939.6,       0.0);         ( 385938.4,
3814539.4,     897.5,    1939.6,       0.0);
    ( 385949.8, 3814518.9,     903.5,    1939.6,       0.0);         ( 385961.3,
3814498.5,     906.0,    1939.6,       0.0);
    ( 385972.7, 3814478.0,     906.1,    1939.6,       0.0);         ( 385984.1,
3814457.6,     904.5,    1939.6,       0.0);
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(385995.5, 3814437.1, 903.8, 1939.6, 0.0); (386006.9, 3814416.6, 907.5, 1939.6, 0.0);
(386018.3, 3814396.2, 915.0, 1939.6, 0.0); (386029.8, 3814375.7, 922.6, 1939.6, 0.0);
(386041.2, 3814355.3, 933.5, 1258.9, 0.0); (386052.6, 3814334.8, 945.1, 1258.9, 0.0);
(386064.0, 3814314.4, 958.4, 1258.9, 0.0); (386075.4, 3814293.9, 971.5, 1258.9, 0.0);
(386086.9, 3814273.5, 984.3, 1258.9, 0.0); (386098.3, 3814253.0, 990.4, 1258.9, 0.0);
(386109.7, 3814232.5, 983.4, 1258.9, 0.0); (386121.1, 3814212.1, 973.4, 1258.9, 0.0);
(386132.5, 3814191.6, 964.6, 1258.9, 0.0); (386144.0, 3814171.2, 955.9, 1258.9, 0.0);
(386155.4, 3814150.7, 947.3, 1939.6, 0.0); (386166.8, 3814130.3, 937.8, 1939.6, 0.0);
(386178.2, 3814109.8, 928.5, 1958.8, 0.0); (386189.6, 3814089.4, 917.2, 1981.2, 0.0);
(386201.0, 3814068.9, 908.5, 1981.2, 0.0); (386212.5, 3814048.4, 899.8, 1981.2, 0.0);
(386223.9, 3814028.0, 890.3, 1990.0, 0.0); (386235.3, 3814007.5, 882.0, 1990.0, 0.0);
(386246.7, 3813987.1, 873.4, 1990.0, 0.0); (386258.1, 3813966.6, 867.6, 1990.0, 0.0);
(386269.5, 3813946.2, 862.1, 1990.0, 0.0); (386281.0, 3813925.7, 859.3, 1990.0, 0.0);
(386292.4, 3813905.3, 861.3, 1990.0, 0.0); (386303.8, 3813884.8, 868.0, 1990.0, 0.0);
(386315.2, 3813864.3, 874.3, 1990.0, 0.0); (386326.6, 3813843.9, 878.7, 1990.0, 0.0);
(386338.0, 3813823.4, 878.8, 1990.0, 0.0); (386349.5, 3813803.0, 878.3, 1990.0, 0.0);
(386360.9, 3813782.5, 877.3, 1990.0, 0.0); (386372.3, 3813762.1, 874.1, 1990.0, 0.0);
(386383.7, 3813741.6, 870.3, 1990.0, 0.0); (386395.1, 3813721.2, 866.8, 1990.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(386406.6, 3813700.7, 858.4, 1990.0, 0.0); (386418.0, 3813680.2, 852.0, 1990.0, 0.0);

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     ( 386429.4, 3813659.8,     854.8,    1990.0,       0.0);         ( 386440.8,
3813639.3,     860.7,    1990.0,       0.0);
     ( 386452.2, 3813618.9,     865.9,    1990.0,       0.0);         ( 386463.6,
3813598.4,     870.5,    1990.0,       0.0);
     ( 386475.1, 3813578.0,     874.0,    1990.0,       0.0);         ( 386486.5,
3813557.5,     876.9,    1990.0,       0.0);
     ( 386497.9, 3813537.1,     877.5,    1990.0,       0.0);         ( 386509.3,
3813516.6,     882.7,    1990.0,       0.0);
     ( 386520.7, 3813496.1,     886.9,    1990.0,       0.0);         ( 386532.2,
3813475.7,     894.1,    1990.0,       0.0);
     ( 386543.6, 3813455.2,     899.3,    1990.0,       0.0);         ( 386555.0,
3813434.8,     906.9,    1990.0,       0.0);
     ( 386566.4, 3813414.3,     914.7,    1990.0,       0.0);         ( 386577.8,
3813393.9,     923.0,    1990.0,       0.0);
     ( 386589.2, 3813373.4,     932.7,    1990.0,       0.0);         ( 386600.7,
3813353.0,     943.1,    1990.0,       0.0);
     ( 386612.1, 3813332.5,     954.6,    1990.0,       0.0);         ( 386623.5,
3813312.0,     965.7,    1990.0,       0.0);
     ( 386634.9, 3813291.6,     974.3,    1990.0,       0.0);         ( 386646.3,
3813271.1,     981.4,    1988.8,       0.0);
     ( 386657.8, 3813250.7,     988.0,    1985.1,       0.0);         ( 386669.2,
3813230.2,     993.1,    1981.2,       0.0);
     ( 386680.6, 3813209.8,     997.6,    1981.2,       0.0);         ( 386692.0,
3813189.3,    1000.0,    1981.2,       0.0);
     ( 386703.4, 3813168.9,    1001.2,    1981.2,       0.0);         ( 386714.8,
3813148.4,    1002.2,    1981.2,       0.0);
     ( 386726.3, 3813127.9,    1004.0,    1982.9,       0.0);         ( 386737.7,
3813107.5,    1008.2,    1981.2,       0.0);
     ( 386749.1, 3813087.0,    1013.6,    1981.2,       0.0);         ( 386760.5,
3813066.6,    1020.1,    1981.2,       0.0);
     ( 386771.9, 3813046.1,    1032.6,    1981.2,       0.0);         ( 386783.3,
3813025.7,    1045.5,    1958.8,       0.0);
     ( 386794.8, 3813005.2,    1056.9,    1958.8,       0.0);         ( 386806.2,
3812984.8,    1057.5,    1958.8,       0.0);
     ( 386817.6, 3812964.3,    1063.5,    1939.6,       0.0);         ( 386829.0,
3812943.8,    1079.7,    1939.6,       0.0);
     ( 386840.4, 3812923.4,    1087.0,    1939.6,       0.0);         ( 386851.9,
3812902.9,    1091.5,    1939.6,       0.0);
     ( 386863.3, 3812882.5,    1094.1,    1939.6,       0.0);         ( 386874.7,
3812862.0,    1094.4,    1939.6,       0.0);
     ( 386886.1, 3812841.6,    1090.3,    1939.6,       0.0);         ( 386897.5,
3812821.1,    1086.4,    1939.6,       0.0);
     ( 386908.9, 3812800.7,    1078.2,    1958.8,       0.0);         ( 386920.4,
3812780.2,    1069.4,    1958.8,       0.0);
     ( 386931.8, 3812759.8,    1056.8,    1981.2,       0.0);         ( 386943.2,
3812739.3,    1044.4,    1987.3,       0.0);
     ( 386954.6, 3812718.8,    1043.1,    1989.0,       0.0);         ( 386966.0,
3812698.4,    1050.3,    1986.4,       0.0);
     ( 386977.5, 3812677.9,    1060.6,    1981.2,       0.0);         ( 386988.9,
3812657.5,    1066.0,    1981.2,       0.0);
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     ( 387000.3, 3812637.0,    1060.9,    1981.2,       0.0);         ( 387011.7,
3812616.6,    1038.1,    1990.0,       0.0);
     ( 387023.1, 3812596.1,    1024.8,    1990.0,       0.0);         ( 387034.5,
3812575.6,    1025.8,    1990.0,       0.0);
     ( 387046.0, 3812555.2,    1019.0,    1990.0,       0.0);         ( 387057.4,
3812534.7,     994.6,    1990.0,       0.0);
     ( 387068.8, 3812514.3,     973.9,    1990.0,       0.0);         ( 387080.2,
3812493.8,     959.3,    1990.0,       0.0);
     ( 387091.6, 3812473.4,     952.9,    1990.0,       0.0);         ( 387103.0,
3812452.9,     955.7,    1990.0,       0.0);
     ( 387114.5, 3812432.5,     964.2,    1990.0,       0.0);         ( 387125.9,
3812412.0,     973.4,    1990.0,       0.0);
     ( 387137.3, 3812391.5,     977.2,    1990.0,       0.0);         ( 387148.7,
3812371.1,     986.4,    1990.0,       0.0);
     ( 387160.1, 3812350.6,    1000.3,    1990.0,       0.0);         ( 387171.5,
3812330.2,    1013.8,    1990.0,       0.0);
     ( 387183.0, 3812309.7,    1023.8,    1990.0,       0.0);         ( 387194.4,
3812289.3,    1028.5,    1990.0,       0.0);
     ( 387205.8, 3812268.8,    1020.4,    1990.0,       0.0);         ( 387217.2,
3812248.4,    1010.8,    1990.0,       0.0);
     ( 387228.6, 3812227.9,    1002.8,    1990.0,       0.0);         ( 387240.1,
3812207.4,    1001.4,    1990.0,       0.0);
     ( 387251.5, 3812187.0,     996.4,    1990.0,       0.0);         ( 387262.9,
3812166.5,     991.5,    1990.0,       0.0);
     ( 387274.3, 3812146.1,     984.2,    1990.0,       0.0);         ( 387285.7,
3812125.6,     966.0,    1990.0,       0.0);
     ( 387297.1, 3812105.2,     947.5,    1990.0,       0.0);         ( 387308.6,
3812084.7,     934.0,    1990.0,       0.0);
     ( 387320.0, 3812064.3,     920.5,    1990.0,       0.0);         ( 387331.4,
3812043.8,     907.4,    1990.0,       0.0);
     ( 387342.8, 3812023.3,     893.9,    1990.0,       0.0);         ( 387354.2,
3812002.9,     880.6,    1990.0,       0.0);
     ( 387365.7, 3811982.4,     868.8,    1990.0,       0.0);         ( 387377.1,
3811962.0,     855.2,    1990.0,       0.0);
     ( 387388.5, 3811941.5,     844.7,    1990.0,       0.0);         ( 387399.9,
3811921.1,     833.4,    1990.0,       0.0);
     ( 387411.3, 3811900.6,     824.7,    1990.0,       0.0);         ( 387422.8,
3811880.2,     821.8,    1990.0,       0.0);
```


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

```
     ( 387434.2, 3811859.7,     830.7,    1990.0,       0.0);         ( 387445.6,
3811839.2,     830.7,    1990.0,       0.0);
     ( 387457.0, 3811818.8,     828.8,    1990.0,       0.0);         ( 387468.4,
3811798.3,     830.8,    1990.0,       0.0);
     ( 387479.8, 3811777.9,     826.7,    1990.0,       0.0);         ( 387491.2,
3811757.4,     821.6,    1990.0,       0.0);
     ( 387502.7, 3811737.0,     822.1,    1990.0,       0.0);         ( 387514.1,
3811716.5,     816.7,    1990.0,       0.0);
     ( 387525.5, 3811696.0,     807.7,    1990.0,       0.0);         ( 387536.9,
3811675.6,     797.1,    1990.0,       0.0);
     ( 387548.3, 3811655.1,     789.7,    1990.0,       0.0);         ( 387559.8,
3811634.7,     781.9,    1990.0,       0.0);
     ( 387571.2, 3811614.2,     774.4,    1990.0,       0.0);         ( 387582.6,
3811593.8,     772.2,    1990.0,       0.0);
     ( 387594.0, 3811573.3,     770.6,    1990.0,       0.0);         ( 387605.4,
3811552.9,     765.3,    1990.0,       0.0);
     ( 387616.8, 3811532.4,     762.2,    1990.0,       0.0);         ( 387628.3,
3811511.9,     761.0,    1990.0,       0.0);
     ( 387639.7, 3811491.5,     760.5,    1990.0,       0.0);         ( 387651.1,
3811471.0,     759.8,    1990.0,       0.0);
     ( 387662.5, 3811450.6,     757.7,    1990.0,       0.0);         ( 387673.9,
3811430.1,     757.2,    1990.0,       0.0);
     ( 387685.4, 3811409.7,     757.3,    1990.0,       0.0);         ( 387696.8,
3811389.2,     757.3,    1990.0,       0.0);
     ( 387708.2, 3811368.8,     754.6,    1990.0,       0.0);         ( 387719.6,
3811348.3,     753.4,    1990.0,       0.0);
     ( 387731.0, 3811327.8,     752.1,    1990.0,       0.0);         ( 387742.5,
3811307.4,     751.1,    1990.0,       0.0);
     ( 387753.9, 3811286.9,     751.0,    1990.0,       0.0);         ( 387765.3,
3811266.5,     750.9,    1990.0,       0.0);
     ( 387776.7, 3811246.0,     750.6,    1990.0,       0.0);         ( 387788.1,
3811225.6,     750.8,    1990.0,       0.0);
     ( 387799.5, 3811205.1,     750.7,    1990.0,       0.0);         ( 387811.0,
3811184.7,     752.8,    1990.0,       0.0);
     ( 387822.4, 3811164.2,     754.1,    1990.0,       0.0);         ( 387833.8,
3811143.8,     755.4,    1990.0,       0.0);
     ( 387845.2, 3811123.3,     757.7,    1990.0,       0.0);         ( 387856.6,
3811102.8,     759.1,    1990.0,       0.0);
     ( 387868.0, 3811082.4,     759.8,    1990.0,       0.0);         ( 387879.5,
3811061.9,     760.7,    1990.0,       0.0);
     ( 387890.9, 3811041.5,     761.6,    1990.0,       0.0);         ( 387902.3,
3811021.0,     762.6,    1990.0,       0.0);
     ( 387913.7, 3811000.6,     763.7,    1990.0,       0.0);         ( 387925.1,
3810980.1,     764.6,    1990.0,       0.0);
     ( 387936.5, 3810959.6,     765.8,    1990.0,       0.0);         ( 387948.0,
3810939.2,     766.8,    1990.0,       0.0);
     ( 387959.4, 3810918.7,     767.8,    1990.0,       0.0);         ( 387970.8,
3810898.3,     768.7,    1990.0,       0.0);
     ( 387982.2, 3810877.8,     769.7,    1990.0,       0.0);         ( 387993.6,
3810857.4,     771.0,    1990.0,       0.0);
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     ( 388005.1, 3810836.9,     772.1,    1990.0,       0.0);         ( 388016.5,
3810816.5,     774.0,    1990.0,       0.0);
     ( 388027.9, 3810796.0,     774.5,    1990.0,       0.0);         ( 388039.3,
3810775.5,     776.1,    1990.0,       0.0);
     ( 388050.7, 3810755.1,     776.4,    1990.0,       0.0);         ( 388062.1,
3810734.6,     777.3,    1990.0,       0.0);
     ( 388073.6, 3810714.2,     778.9,    1990.0,       0.0);         ( 388085.0,
3810693.7,     779.9,    1990.0,       0.0);
     ( 388096.4, 3810673.3,     780.8,    1990.0,       0.0);         ( 388107.8,
3810652.8,     782.4,    1990.0,       0.0);
     ( 388119.2, 3810632.4,     783.6,    1990.0,       0.0);         ( 388130.6,
3810611.9,     784.7,    1990.0,       0.0);
     ( 388142.1, 3810591.4,     786.0,    1990.0,       0.0);         ( 388153.5,
3810571.0,     788.0,    1990.0,       0.0);
     ( 388164.9, 3810550.5,     789.3,    1990.0,       0.0);         ( 388176.3,
3810530.1,     790.0,    1990.0,       0.0);
     ( 388187.7, 3810509.6,     791.1,    1990.0,       0.0);         ( 388199.2,
3810489.2,     791.9,    1990.0,       0.0);
     ( 388210.6, 3810468.7,     793.8,    1990.0,       0.0);         ( 388222.0,
3810448.3,     795.2,    1990.0,       0.0);
     ( 388233.4, 3810427.8,     796.5,    1990.0,       0.0);         ( 388244.8,
3810407.3,     797.1,    1990.0,       0.0);
     ( 388256.2, 3810386.9,     798.7,    1990.0,       0.0);         ( 388267.7,
3810366.4,     799.5,    1990.0,       0.0);
     ( 388279.1, 3810346.0,     801.8,    1990.0,       0.0);         ( 388290.5,
3810325.5,     804.2,    1990.0,       0.0);
     ( 388301.9, 3810305.1,     805.8,    1990.0,       0.0);         ( 388313.3,
3810284.6,     806.6,    1990.0,       0.0);
     ( 388324.8, 3810264.2,     807.2,    1990.0,       0.0);         ( 388336.2,
3810243.7,     809.4,    1990.0,       0.0);
     ( 388347.6, 3810223.2,     811.7,    1990.0,       0.0);         ( 388359.0,
3810202.8,     814.0,    1990.0,       0.0);
     ( 388370.4, 3810182.3,     813.4,    1990.0,       0.0);         ( 388381.8,
3810161.9,     814.1,    1990.0,       0.0);
     ( 388393.3, 3810141.4,     815.3,    1990.0,       0.0);         ( 388404.7,
3810121.0,     816.8,    1990.0,       0.0);
     ( 388416.1, 3810100.5,     818.1,    1990.0,       0.0);         ( 388427.5,
3810080.1,     819.7,    1990.0,       0.0);
     ( 388438.9, 3810059.6,     821.6,    1990.0,       0.0);         ( 388450.3,
3810039.1,     822.9,    1990.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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                                  PAGE 318
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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

(METERS)

(388461.8, 3810018.7, 823.8, 1990.0, 0.0); (388473.2, 3809998.2, 824.3, 1990.0, 0.0);
(388484.6, 3809977.8, 826.8, 1990.0, 0.0); (388496.0, 3809957.3, 830.6, 1990.0, 0.0);
(388507.4, 3809936.9, 831.8, 1990.0, 0.0); (388518.9, 3809916.4, 832.4, 1990.0, 0.0);
(388530.3, 3809896.0, 833.8, 1990.0, 0.0); (388541.7, 3809875.5, 835.6, 1990.0, 0.0);
(388553.1, 3809855.0, 837.5, 1990.0, 0.0); (388564.5, 3809834.6, 840.0, 1990.0, 0.0);
(388576.0, 3809814.1, 844.3, 1990.0, 0.0); (388587.4, 3809793.7, 846.0, 1990.0, 0.0);
(388598.8, 3809773.2, 850.2, 1990.0, 0.0); (388610.2, 3809752.8, 854.3, 1990.0, 0.0);
(388621.6, 3809732.3, 857.6, 1990.0, 0.0); (388633.0, 3809711.9, 858.7, 1990.0, 0.0);
(388644.5, 3809691.4, 856.8, 1990.0, 0.0); (388655.9, 3809670.9, 862.2, 1990.0, 0.0);
(388667.3, 3809650.5, 871.3, 1990.0, 0.0); (388678.7, 3809630.0, 875.5, 1990.0, 0.0);
(388690.1, 3809609.6, 881.0, 1990.0, 0.0); (388701.5, 3809589.1, 886.7, 1990.0, 0.0);
(388713.0, 3809568.7, 890.5, 1990.0, 0.0); (388724.4, 3809548.2, 890.7, 1990.0, 0.0);
(388735.8, 3809527.8, 890.5, 1990.0, 0.0); (388747.2, 3809507.3, 891.1, 1990.0, 0.0);
(388758.6, 3809486.8, 893.9, 1990.0, 0.0); (388770.0, 3809466.4, 902.6, 1990.0, 0.0);
(388781.5, 3809445.9, 906.9, 1990.0, 0.0); (388792.9, 3809425.5, 914.5, 1990.0, 0.0);
(388804.3, 3809405.0, 919.3, 1990.0, 0.0); (388815.7, 3809384.6, 921.7, 1990.0, 0.0);
(388827.1, 3809364.1, 930.0, 1990.0, 0.0); (388838.6, 3809343.7, 941.8, 1990.0, 0.0);
(388850.0, 3809323.2, 954.4, 1990.0, 0.0); (388861.4, 3809302.8, 962.8, 1990.0, 0.0);
(388872.8, 3809282.3, 966.0, 1990.0, 0.0); (388884.2, 3809261.8, 964.7, 1990.0, 0.0);
(388895.6, 3809241.4, 960.4, 1990.0, 0.0); (388907.1, 3809220.9, 952.8, 1990.0, 0.0);
(388918.5, 3809200.5, 957.7, 1990.0, 0.0); (388929.9, 3809180.0, 962.9, 1990.0, 0.0);
(388941.3, 3809159.6, 967.2, 1990.0, 0.0); (388952.7, 3809139.1, 973.9, 1990.0, 0.0);
(388964.1, 3809118.6, 977.7, 1990.0, 0.0); (388975.6, 3809098.2, 982.4, 1990.0, 0.0);
(388987.0, 3809077.7, 988.9, 1990.0, 0.0); (388998.4, 3809057.3, 993.4, 1990.0, 0.0);

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     ( 389009.8, 3809036.8,    1003.8,    1990.0,       0.0);         ( 389021.2,
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     ( 389032.7, 3808995.9,    1030.7,    1990.0,       0.0);         ( 389044.1,
3808975.5,    1043.5,    1990.0,       0.0);
     ( 389055.5, 3808955.0,    1058.2,    1990.0,       0.0);         ( 389066.9,
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     ( 389078.3, 3808914.1,    1087.3,    1990.0,       0.0);         ( 389089.8,
3808893.6,    1098.6,    1990.0,       0.0);
     ( 389101.2, 3808873.2,    1101.4,    1990.0,       0.0);         ( 389112.6,
3808852.7,    1097.5,    1990.0,       0.0);
     ( 389124.0, 3808832.3,    1094.2,    1990.0,       0.0);         ( 389135.4,
3808811.8,    1092.5,    1990.0,       0.0);
     ( 389146.8, 3808791.4,    1088.9,    1990.0,       0.0);         ( 389158.3,
3808770.9,    1083.0,    1990.0,       0.0);
     ( 389169.7, 3808750.4,    1076.7,    1990.0,       0.0);         ( 389181.1,
3808730.0,    1071.0,    1990.0,       0.0);
     ( 389192.5, 3808709.5,    1064.5,    1990.0,       0.0);         ( 389203.9,
3808689.1,    1055.3,    1990.0,       0.0);
     ( 389215.3, 3808668.6,    1055.1,    1990.0,       0.0);         ( 389226.8,
3808648.2,    1065.4,    1990.0,       0.0);
     ( 389238.2, 3808627.7,    1077.3,    1990.0,       0.0);         ( 389249.6,
3808607.2,    1082.4,    1990.0,       0.0);
     ( 389261.0, 3808586.8,    1081.0,    1990.0,       0.0);         ( 389272.4,
3808566.3,    1077.5,    1990.0,       0.0);
     ( 389283.8, 3808545.9,    1079.7,    1990.0,       0.0);         ( 389295.3,
3808525.4,    1075.6,    1990.0,       0.0);
     ( 389306.7, 3808505.0,    1069.3,    1990.0,       0.0);         ( 389318.1,
3808484.5,    1065.9,    1990.0,       0.0);
     ( 389329.5, 3808464.1,    1063.2,    1990.0,       0.0);         ( 389340.9,
3808443.6,    1060.6,    1990.0,       0.0);
     ( 389375.6, 3808420.6,    1052.0,    1990.0,       0.0);         ( 389398.9,
3808418.0,    1063.3,    1990.0,       0.0);
     ( 389422.2, 3808415.4,    1070.9,    1990.0,       0.0);         ( 389445.5,
3808412.8,    1070.5,    1990.0,       0.0);
     ( 389468.8, 3808410.2,    1071.2,    1990.0,       0.0);         ( 389492.1,
3808407.7,    1073.5,    1990.0,       0.0);
     ( 389515.3, 3808405.1,    1074.6,    1990.0,       0.0);         ( 389538.6,
3808402.5,    1075.5,    1990.0,       0.0);
     ( 389561.9, 3808399.9,    1076.6,    1990.0,       0.0);         ( 389585.2,
3808397.3,    1074.7,    1990.0,       0.0);
     ( 389608.5, 3808394.8,    1068.8,    1990.0,       0.0);         ( 389631.8,
3808392.2,    1064.8,    1990.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(389655.0, 3808389.6, 1063.7, 1990.0, 0.0); (389678.3, 3808387.0, 1059.8, 1990.0, 0.0);
(389701.6, 3808384.4, 1053.1, 1990.0, 0.0); (389724.9, 3808381.8, 1053.3, 1990.0, 0.0);
(389748.2, 3808379.3, 1058.1, 1990.0, 0.0); (389771.5, 3808376.7, 1056.3, 1990.0, 0.0);
(389794.8, 3808374.1, 1057.6, 1990.0, 0.0); (389818.0, 3808371.5, 1063.6, 1990.0, 0.0);
(389841.3, 3808368.9, 1069.9, 1990.0, 0.0); (389864.6, 3808366.3, 1073.1, 1990.0, 0.0);
(389887.9, 3808363.8, 1074.3, 1990.0, 0.0); (389911.2, 3808361.2, 1078.0, 1990.0, 0.0);
(389934.5, 3808358.6, 1082.2, 1990.0, 0.0); (389957.7, 3808356.0, 1084.6, 1990.0, 0.0);
(389981.0, 3808353.4, 1083.7, 1990.0, 0.0); (390004.3, 3808350.9, 1083.0, 1990.0, 0.0);
(390027.6, 3808348.3, 1082.8, 1990.0, 0.0); (390050.9, 3808345.7, 1083.2, 1990.0, 0.0);
(390074.2, 3808343.1, 1082.7, 1990.0, 0.0); (390097.4, 3808340.5, 1083.7, 1990.0, 0.0);
(390120.7, 3808337.9, 1081.8, 1990.0, 0.0); (390144.0, 3808335.4, 1073.4, 1990.0, 0.0);
(390167.3, 3808332.8, 1067.2, 1990.0, 0.0); (390190.6, 3808330.2, 1060.8, 1990.0, 0.0);
(390213.9, 3808327.6, 1052.9, 1990.0, 0.0); (390237.1, 3808325.0, 1047.0, 1990.0, 0.0);
(390260.4, 3808322.5, 1042.8, 1990.0, 0.0); (390283.7, 3808319.9, 1049.9, 1990.0, 0.0);
(390307.0, 3808317.3, 1062.1, 1990.0, 0.0); (390330.3, 3808314.7, 1066.1, 1990.0, 0.0);
(390353.6, 3808312.1, 1059.3, 1990.0, 0.0); (390376.8, 3808309.5, 1052.0, 1990.0, 0.0);
(390400.1, 3808307.0, 1055.6, 1990.0, 0.0); (390423.4, 3808304.4, 1070.6, 1990.0, 0.0);
(390446.7, 3808301.8, 1079.3, 1990.0, 0.0); (390470.0, 3808299.2, 1081.1, 1990.0, 0.0);
(390493.3, 3808296.6, 1079.7, 1990.0, 0.0); (390516.5, 3808294.1, 1079.6, 1990.0, 0.0);
(390539.8, 3808291.5, 1081.5, 1990.0, 0.0); (390563.1, 3808288.9, 1082.1, 1990.0, 0.0);
(390586.4, 3808286.3, 1081.9, 1990.0, 0.0); (390609.7, 3808283.7, 1078.5, 1990.0, 0.0);
(390633.0, 3808281.1, 1074.5, 1990.0, 0.0); (390656.2, 3808278.6, 1075.2, 1990.0, 0.0);
(390679.5, 3808276.0, 1078.2, 1990.0, 0.0); (390702.8, 3808273.4, 1080.0, 1990.0, 0.0);

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     ( 390726.1, 3808270.8,    1081.2,    1990.0,       0.0);         ( 390749.4,
3808268.2,    1081.8,    1990.0,       0.0);
     ( 390772.7, 3808265.7,    1081.0,    1990.0,       0.0);         ( 390796.0,
3808263.1,    1080.4,    1990.0,       0.0);
     ( 390819.2, 3808260.5,    1080.3,    1990.0,       0.0);         ( 390842.5,
3808257.9,    1081.0,    1990.0,       0.0);
     ( 390865.8, 3808255.3,    1082.8,    1990.0,       0.0);         ( 390889.1,
3808252.8,    1084.2,    1990.0,       0.0);
     ( 390912.4, 3808250.2,    1086.8,    1990.0,       0.0);         ( 390935.7,
3808247.6,    1089.6,    1990.0,       0.0);
     ( 390958.9, 3808245.0,    1089.0,    1990.0,       0.0);         ( 390982.2,
3808242.4,    1091.0,    1990.0,       0.0);
     ( 391005.5, 3808239.8,    1095.2,    1990.0,       0.0);         ( 391028.8,
3808237.3,    1102.0,    1990.0,       0.0);
     ( 391052.1, 3808234.7,    1102.1,    1990.0,       0.0);         ( 391075.4,
3808232.1,    1104.5,    1990.0,       0.0);
     ( 391098.6, 3808229.5,    1105.5,    1990.0,       0.0);         ( 391121.9,
3808226.9,    1108.4,    1990.0,       0.0);
     ( 391145.2, 3808224.3,    1112.7,    1990.0,       0.0);         ( 391168.5,
3808221.8,    1116.2,    1990.0,       0.0);
     ( 391191.8, 3808219.2,    1115.2,    1990.0,       0.0);         ( 391215.1,
3808216.6,    1112.2,    1990.0,       0.0);
     ( 391238.3, 3808214.0,    1116.6,    1990.0,       0.0);         ( 391261.6,
3808211.4,    1123.7,    1990.0,       0.0);
     ( 391284.9, 3808208.9,    1137.0,    1990.0,       0.0);         ( 391308.2,
3808206.3,    1147.3,    1990.0,       0.0);
     ( 391331.5, 3808203.7,    1142.7,    1990.0,       0.0);         ( 391354.8,
3808201.1,    1137.5,    1990.0,       0.0);
     ( 391378.0, 3808198.5,    1128.8,    1990.0,       0.0);         ( 391401.3,
3808195.9,    1125.1,    1990.0,       0.0);
     ( 391424.6, 3808193.4,    1128.6,    1990.0,       0.0);         ( 391447.9,
3808190.8,    1130.3,    1990.0,       0.0);
     ( 391471.2, 3808188.2,    1125.7,    1990.0,       0.0);         ( 391494.5,
3808185.6,    1120.6,    1990.0,       0.0);
     ( 391517.8, 3808183.0,    1114.8,    1990.0,       0.0);         ( 391541.0,
3808180.5,    1105.2,    1990.0,       0.0);
     ( 391564.3, 3808177.9,    1095.0,    1990.0,       0.0);         ( 391587.6,
3808175.3,    1085.9,    1990.0,       0.0);
     ( 391610.9, 3808172.7,    1083.0,    1990.0,       0.0);         ( 391634.2,
3808170.1,    1087.3,    1990.0,       0.0);
     ( 391657.5, 3808167.5,    1084.2,    1990.0,       0.0);         ( 391680.7,
3808165.0,    1073.6,    1990.0,       0.0);
     ( 391704.0, 3808162.4,    1062.4,    1990.0,       0.0);         ( 391727.3,
3808159.8,    1054.9,    1990.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(391750.6, 3808157.2, 1055.0, 1990.0, 0.0); (391773.9, 3808154.6, 1062.1, 1990.0, 0.0);
(391797.2, 3808152.1, 1071.8, 1990.0, 0.0); (391820.4, 3808149.5, 1076.6, 1990.0, 0.0);
(391843.7, 3808146.9, 1069.8, 1990.0, 0.0); (391867.0, 3808144.3, 1061.8, 1990.0, 0.0);
(391890.3, 3808141.7, 1052.7, 1990.0, 0.0); (391913.6, 3808139.1, 1043.8, 1990.0, 0.0);
(391936.9, 3808136.6, 1035.5, 1990.0, 0.0); (391960.1, 3808134.0, 1030.5, 1990.0, 0.0);
(391983.4, 3808131.4, 1027.1, 1990.0, 0.0); (392006.7, 3808128.8, 1024.3, 1990.0, 0.0);
(392030.0, 3808126.2, 1025.3, 1990.0, 0.0); (392053.3, 3808123.7, 1031.8, 1990.0, 0.0);
(392076.6, 3808121.1, 1037.2, 1990.0, 0.0); (392099.8, 3808118.5, 1042.6, 1990.0, 0.0);
(392123.1, 3808115.9, 1047.9, 1990.0, 0.0); (392146.4, 3808113.3, 1054.1, 1990.0, 0.0);
(392169.7, 3808110.8, 1061.6, 1990.0, 0.0); (392193.0, 3808108.2, 1072.5, 1990.0, 0.0);
(392216.3, 3808105.6, 1080.3, 1990.0, 0.0); (392239.5, 3808103.0, 1084.8, 1990.0, 0.0);
(392262.8, 3808100.4, 1091.8, 1990.0, 0.0); (392286.1, 3808097.8, 1103.7, 1990.0, 0.0);
(392309.4, 3808095.3, 1118.8, 1990.0, 0.0); (392332.7, 3808092.7, 1133.0, 1990.0, 0.0);
(392356.0, 3808090.1, 1141.9, 1990.0, 0.0); (392379.2, 3808087.5, 1151.3, 1990.0, 0.0);
(392402.5, 3808084.9, 1163.3, 1990.0, 0.0); (392425.8, 3808082.3, 1174.4, 1990.0, 0.0);
(392449.1, 3808079.8, 1185.1, 1990.0, 0.0); (392472.4, 3808077.2, 1194.9, 1990.0, 0.0);
(392495.7, 3808074.6, 1203.2, 1990.0, 0.0); (392519.0, 3808072.0, 1207.5, 1990.0, 0.0);
(392542.2, 3808069.4, 1205.1, 1990.0, 0.0); (392565.5, 3808066.9, 1202.5, 1990.0, 0.0);
(392588.8, 3808064.3, 1212.6, 1990.0, 0.0); (392612.1, 3808061.7, 1218.7, 1990.0, 0.0);
(392635.4, 3808059.1, 1224.0, 1990.0, 0.0); (392658.7, 3808056.5, 1227.6, 1990.0, 0.0);
(392681.9, 3808053.9, 1230.2, 1990.0, 0.0); (392705.2, 3808051.4, 1227.8, 1990.0, 0.0);
(392728.5, 3808048.8, 1223.3, 1990.0, 0.0); (392751.8, 3808046.2, 1219.5, 1990.0, 0.0);

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     ( 392775.1, 3808043.6,    1215.5,    1990.0,       0.0);         ( 392798.4,
3808041.0,    1212.0,    1990.0,       0.0);
     ( 392821.6, 3808038.5,    1211.2,    1990.0,       0.0);         ( 392844.9,
3808035.9,    1214.4,    1990.0,       0.0);
     ( 392868.2, 3808033.3,    1215.9,    1990.0,       0.0);         ( 392891.5,
3808030.7,    1220.4,    1990.0,       0.0);
     ( 392914.8, 3808028.1,    1228.0,    1990.0,       0.0);         ( 392938.1,
3808025.5,    1235.6,    1990.0,       0.0);
     ( 392961.3, 3808023.0,    1241.2,    1990.0,       0.0);         ( 392984.6,
3808020.4,    1245.2,    1990.0,       0.0);
     ( 393007.9, 3808017.8,    1253.9,    1990.0,       0.0);         ( 393031.2,
3808015.2,    1261.6,    1990.0,       0.0);
     ( 393054.5, 3808012.6,    1266.6,    1990.0,       0.0);         ( 393077.8,
3808010.1,    1272.1,    1990.0,       0.0);
     ( 393101.0, 3808007.5,    1278.7,    1990.0,       0.0);         ( 393124.3,
3808004.9,    1282.8,    1990.0,       0.0);
     ( 393147.6, 3808002.3,    1282.5,    1990.0,       0.0);         ( 393566.7,
3807955.8,    1372.2,    1990.0,       0.0);
     ( 393590.0, 3807953.3,    1362.2,    1990.0,       0.0);         ( 393613.3,
3807950.7,    1358.8,    1990.0,       0.0);
     ( 393636.6, 3807948.1,    1368.5,    1990.0,       0.0);         ( 393659.9,
3807945.5,    1382.3,    1990.0,       0.0);
     ( 393683.1, 3807942.9,    1393.6,    1990.0,       0.0);         ( 393706.4,
3807940.3,    1401.7,    1990.0,       0.0);
     ( 393729.7, 3807937.8,    1404.1,    1990.0,       0.0);         ( 393753.0,
3807935.2,    1399.3,    1990.0,       0.0);
     ( 393776.3, 3807932.6,    1394.4,    1990.0,       0.0);         ( 393799.6,
3807930.0,    1385.7,    1990.0,       0.0);
     ( 393822.8, 3807927.4,    1367.5,    1990.0,       0.0);         ( 393846.1,
3807924.9,    1349.6,    1990.0,       0.0);
     ( 393869.4, 3807922.3,    1336.7,    1990.0,       0.0);         ( 393892.7,
3807919.7,    1325.8,    1990.0,       0.0);
     ( 393916.0, 3807917.1,    1316.9,    1990.0,       0.0);         ( 393939.3,
3807914.5,    1308.9,    1990.0,       0.0);
     ( 393962.5, 3807911.9,    1302.0,    1990.0,       0.0);         ( 393985.8,
3807909.4,    1299.9,    1990.0,       0.0);
     ( 394009.1, 3807906.8,    1311.7,    1990.0,       0.0);         ( 394032.4,
3807904.2,    1325.0,    1990.0,       0.0);
     ( 394055.7, 3807901.6,    1338.8,    1990.0,       0.0);         ( 394079.0,
3807899.0,    1352.9,    1990.0,       0.0);
     ( 394102.2, 3807896.5,    1366.6,    1990.0,       0.0);         ( 394125.5,
3807893.9,    1377.4,    1990.0,       0.0);
     ( 394148.8, 3807891.3,    1378.4,    1990.0,       0.0);         ( 394172.1,
3807888.7,    1367.2,    1990.0,       0.0);
     ( 394195.4, 3807886.1,    1352.3,    1990.0,       0.0);         ( 394218.7,
3807883.5,    1336.7,    1990.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
 *** AERMET - VERSION  21112 ***   *** Prairie Song BESS Plume Study
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(394242.0, 3807881.0, 1319.5, 1990.0, 0.0); (394265.2, 3807878.4, 1302.6, 1990.0, 0.0);
(394288.5, 3807875.8, 1288.2, 1990.0, 0.0); (394311.8, 3807873.2, 1272.6, 1990.0, 0.0);
(394335.1, 3807870.6, 1256.7, 1990.0, 0.0); (394358.4, 3807868.1, 1242.0, 1990.0, 0.0);
(394381.6, 3807865.5, 1228.5, 1990.0, 0.0); (394404.9, 3807862.9, 1214.0, 1990.0, 0.0);
(394428.2, 3807860.3, 1198.7, 2003.3, 0.0); (394451.5, 3807857.7, 1189.3, 2010.3, 0.0);
(394474.8, 3807855.1, 1192.1, 2010.3, 0.0); (394498.1, 3807852.6, 1200.2, 2010.3, 0.0);
(394521.4, 3807850.0, 1212.3, 1990.0, 0.0); (394544.6, 3807847.4, 1215.5, 1990.0, 0.0);
(394567.9, 3807844.8, 1221.7, 1990.0, 0.0); (394591.2, 3807842.2, 1233.2, 1990.0, 0.0);
(394614.5, 3807839.7, 1246.6, 1990.0, 0.0); (394637.8, 3807837.1, 1261.1, 1990.0, 0.0);
(394661.1, 3807834.5, 1276.5, 1990.0, 0.0); (394684.3, 3807831.9, 1291.1, 1990.0, 0.0);
(394707.6, 3807829.3, 1303.0, 1990.0, 0.0); (394730.9, 3807826.8, 1309.6, 1990.0, 0.0);
(394754.2, 3807824.2, 1312.8, 1990.0, 0.0); (394777.5, 3807821.6, 1323.2, 1990.0, 0.0);
(394800.8, 3807819.0, 1337.9, 1990.0, 0.0); (394824.0, 3807816.4, 1349.6, 1990.0, 0.0);
(394847.3, 3807813.8, 1354.9, 1990.0, 0.0); (394870.6, 3807811.3, 1348.5, 1990.0, 0.0);
(394893.9, 3807808.7, 1333.6, 1990.0, 0.0); (394917.2, 3807806.1, 1321.6, 1990.0, 0.0);
(394940.5, 3807803.5, 1321.1, 1990.0, 0.0); (394963.8, 3807800.9, 1333.1, 1990.0, 0.0);
(394987.0, 3807798.3, 1349.0, 1990.0, 0.0); (395010.3, 3807795.8, 1362.0, 1990.0, 0.0);
(395033.6, 3807793.2, 1377.3, 1990.0, 0.0); (395056.9, 3807790.6, 1389.7, 1990.0, 0.0);
(395080.2, 3807788.0, 1400.4, 1990.0, 0.0); (395103.5, 3807785.4, 1412.3, 1990.0, 0.0);
(395126.7, 3807782.9, 1425.8, 1990.0, 0.0); (395150.0, 3807780.3, 1439.6, 1990.0, 0.0);
(395173.3, 3807777.7, 1453.9, 1990.0, 0.0); (395196.6, 3807775.1, 1468.7, 1990.0, 0.0);

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     ( 395219.9, 3807772.5,    1483.3,    1990.0,       0.0);         ( 395243.1,
3807769.9,    1497.8,    1990.0,       0.0);
     ( 395266.4, 3807767.4,    1512.8,    1832.7,       0.0);         ( 395289.7,
3807764.8,    1528.3,    1832.7,       0.0);
     ( 395313.0, 3807762.2,    1544.5,    1832.7,       0.0);         ( 395336.3,
3807759.6,    1562.4,    1832.7,       0.0);
     ( 395359.6, 3807757.0,    1581.4,    1614.7,       0.0);         ( 395382.9,
3807754.5,    1594.8,    1614.7,       0.0);
     ( 395406.1, 3807751.9,    1601.9,    1614.7,       0.0);         ( 395429.4,
3807749.3,    1605.0,    1614.7,       0.0);
     ( 395452.7, 3807746.7,    1600.2,    1614.7,       0.0);         ( 395476.0,
3807744.1,    1587.9,    1614.7,       0.0);
     ( 395499.3, 3807741.5,    1573.7,    1832.7,       0.0);         ( 395522.6,
3807739.0,    1557.8,    1832.7,       0.0);
     ( 395545.8, 3807736.4,    1540.8,    1832.7,       0.0);         ( 395569.1,
3807733.8,    1525.3,    1832.7,       0.0);
     ( 395592.4, 3807731.2,    1507.4,    1832.7,       0.0);         ( 395615.7,
3807728.6,    1491.4,    1832.7,       0.0);
     ( 395639.0, 3807726.1,    1474.8,    1990.0,       0.0);         ( 395662.3,
3807723.5,    1456.1,    1990.0,       0.0);
     ( 395685.5, 3807720.9,    1444.1,    1990.0,       0.0);         ( 395708.8,
3807718.3,    1436.8,    1990.0,       0.0);
     ( 395732.1, 3807715.7,    1430.4,    1990.0,       0.0);         ( 395755.4,
3807713.1,    1423.1,    1990.0,       0.0);
     ( 395778.7, 3807710.6,    1413.8,    1990.0,       0.0);         ( 395802.0,
3807708.0,    1403.8,    1990.0,       0.0);
     ( 395825.2, 3807705.4,    1390.0,    1990.0,       0.0);         ( 395848.5,
3807702.8,    1378.9,    1990.0,       0.0);
     ( 395871.8, 3807700.2,    1368.8,    1990.0,       0.0);         ( 395895.1,
3807697.7,    1357.5,    1990.0,       0.0);
     ( 395918.4, 3807695.1,    1348.3,    1990.0,       0.0);         ( 395941.7,
3807692.5,    1342.5,    1990.0,       0.0);
     ( 395965.0, 3807689.9,    1343.6,    1990.0,       0.0);         ( 395988.2,
3807687.3,    1343.4,    1990.0,       0.0);
     ( 396011.5, 3807684.8,    1337.5,    2010.3,       0.0);         ( 396034.8,
3807682.2,    1329.5,    2010.3,       0.0);
     ( 396058.1, 3807679.6,    1323.0,    2010.3,       0.0);         ( 396081.4,
3807677.0,    1320.7,    2010.3,       0.0);
     ( 396104.6, 3807674.4,    1323.2,    2010.3,       0.0);         ( 396127.9,
3807671.8,    1321.9,    2010.3,       0.0);
     ( 396151.2, 3807669.3,    1320.9,    2010.3,       0.0);         ( 396174.5,
3807666.7,    1315.8,    2061.5,       0.0);
     ( 396197.8, 3807664.1,    1309.4,    2084.7,       0.0);         ( 396221.1,
3807661.5,    1302.6,    2084.7,       0.0);
     ( 396244.4, 3807658.9,    1294.3,    2084.7,       0.0);         ( 396267.6,
3807656.3,    1285.1,    2084.7,       0.0);
     ( 396290.9, 3807653.8,    1276.2,    2086.2,       0.0);         ( 396314.2,
3807651.2,    1267.0,    2170.7,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Lakes\AERMOD View\Prairie Song Plume
Study                          ***        08/11/25
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

(396337.5, 3807648.6, 1252.8, 2170.7, 0.0); (396360.8, 3807646.0, 1236.0, 2170.7, 0.0);
(396384.1, 3807643.4, 1220.2, 2170.7, 0.0); (396407.3, 3807640.9, 1210.8, 2170.7, 0.0);
(396430.6, 3807638.3, 1209.2, 2170.7, 0.0); (396453.9, 3807635.7, 1212.6, 2170.7, 0.0);
(396477.2, 3807633.1, 1223.2, 2170.7, 0.0); (396500.5, 3807630.5, 1228.6, 2170.7, 0.0);
(396523.8, 3807627.9, 1228.5, 2170.7, 0.0); (396547.0, 3807625.4, 1230.8, 2170.7, 0.0);
(396570.3, 3807622.8, 1237.3, 2170.7, 0.0); (396593.6, 3807620.2, 1250.4, 2170.7, 0.0);
(396616.9, 3807617.6, 1265.2, 2170.7, 0.0); (396640.2, 3807615.0, 1277.1, 2170.7, 0.0);
(396663.5, 3807612.5, 1283.7, 2170.7, 0.0); (396686.8, 3807609.9, 1282.0, 2170.7, 0.0);
(396710.0, 3807607.3, 1285.6, 2170.7, 0.0); (396733.3, 3807604.7, 1287.9, 2170.7, 0.0);
(396756.6, 3807602.1, 1282.9, 2170.7, 0.0); (396779.9, 3807599.5, 1273.3, 2170.7, 0.0);
(396803.2, 3807597.0, 1264.1, 2170.7, 0.0); (396826.5, 3807594.4, 1255.5, 2170.7, 0.0);
(396849.7, 3807591.8, 1244.8, 2170.7, 0.0); (396873.0, 3807589.2, 1233.8, 2170.7, 0.0);
(396896.3, 3807586.6, 1233.4, 2170.7, 0.0); (396919.6, 3807584.1, 1242.9, 2170.7, 0.0);
(396942.9, 3807581.5, 1247.7, 2170.7, 0.0); (396966.1, 3807578.9, 1259.8, 2170.7, 0.0);
(396989.4, 3807576.3, 1277.3, 2170.7, 0.0); (397012.7, 3807573.7, 1294.1, 2170.7, 0.0);
(397036.0, 3807571.1, 1301.5, 2170.7, 0.0); (397059.3, 3807568.6, 1298.2, 2170.7, 0.0);
(397082.6, 3807566.0, 1290.5, 2170.7, 0.0); (397105.8, 3807563.4, 1282.0, 2170.7, 0.0);
(397129.1, 3807560.8, 1270.3, 2170.7, 0.0); (397152.4, 3807558.2, 1255.8, 2170.7, 0.0);
(397175.7, 3807555.7, 1242.7, 2170.7, 0.0); (397199.0, 3807553.1, 1238.3, 2170.7, 0.0);
(397222.3, 3807550.5, 1254.0, 2170.7, 0.0); (397245.6, 3807547.9, 1267.4, 2170.7, 0.0);