Suncrest 230 Kilovolt Loop-In Project

Administrative Draft Environmental Impact Report
Volume 2

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VOLUME 2 TABLE OF CONTENTS

Attachment 3.5-J: Biological Resources Technical Report
Attachment 3.5-K: Botanical Resources Survey Report
Attachment 3.6-A: Cultural Resources Technical Report
Attachment 3.8-A: Paleontological Resources Technical Report
Attachment 3.10-A: Corridor Study
Attachment 3.11-A: Aquatic Resources Delineation Report
Attachment 3.21-A: Wildfire Modeling Report

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ATTACHMENT 3.5-J: BIOLOGICAL RESOURCES TECHNICAL REPORT

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SAN DIEGO GAS & ELECTRIC COMPANY

SUNCREST 230 KILOVOLT LOOP-IN PROJECT

BIOLOGICAL RESOURCES TECHNICAL REPORT

MARCH 2026

PREPARED FOR:

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TABLE OF CONTENTS

1 – INTRODUCTION 1
2 – PROJECT DESCRIPTION 1
2.0 Project Overview 1
2.1 Project Background and Need 1
2.2 Project Objectives and Purpose 1
2.3 Project Location 2
2.4 Project Components 5
2.5 Project Construction 5
2.6 Construction Schedule 6
2.7 Operations and Maintenance 6
3 – REGULATORY FRAMEWORK 6
3.0 Federal 6
3.1 State 9
3.2 Regional and Local 12
4 – PRELIMINARY AGENCY CONSULTATION 13
5 – METHODS 13
5.0 Survey Area 13
5.1 Definitions 14
5.2 Desktop Review 17
5.3 Biological Resource Survey Method 18
6 – RESULTS 23
6.0 Environmental Setting 23
6.1 Vegetation Communities 26
6.2 Aquatic Resources 35
6.3 Special-Status Plant Species 43
6.4 Special-Status Wildlife Species 61
6.5 Critical Habitat 76
6.6 Native Wildlife Corridor and Nursery Sites 79
6.7 Focused and Protocol-Level Survey Assessment 80
7 – RECOMMENDATIONS 81
7.0 Protocol-Level/Focused Surveys 81
8 – REFERENCES 83

LIST OF FIGURES

Figure 1: Proposed Project Overview Map 3
Figure 2: Critical Habitat within the Vicinity of the Proposed Project 77

LIST OF TABLES

Table 1: Survey Schedule 19
Table 2: Soils within the Survey Area 25
Table 3: Monthly Precipitation 26
Table 4: Vegetation Communities and Land Cover Types 27
Table 5: Summary of Potentially Jurisdictional Aquatic Features within the Survey Area 36
Table 6: Potentially Jurisdictional Aquatic Features within the Survey Area 37
Table 7: Special-Status Plant Species with the Potential to Occur 45
Table 8: Special-Status Wildlife Species with the Potential to Occur 63

LIST OF ATTACHMENTS

Attachment A: Biological Resources Map
Attachment B: Survey Area Soils
Attachment C: Photographs
Attachment D: Recent and Historic Special-Status Plant Records
Attachment E: Flora Compendium
Attachment F: Recent and Historic Special-Status Wildlife Records
Attachment G: Faunal Compendium

1 – INTRODUCTION

This Biological Resources Technical Report (Report) documents the methods and results of biological resources and aquatic surveys conducted for San Diego Gas & Electric Company's (SDG&E's) Suncrest 230 Kilovolt (kV) Loop-In Project (Proposed Project). The Proposed Project includes installation of a double-circuit 230 kV transmission line as well as modifications to the existing Suncrest Substation. This Report identifies biological resources, including aquatic features, vegetation communities, and special-status species that have the potential to occur within or adjacent to the Proposed Project.

2 – PROJECT DESCRIPTION

2.0 PROJECT OVERVIEW

The San Diego Gas & Electric Company Suncrest 230 Kilovolt (kV) Loop-In Project (Proposed Project) will involve the installation of a double-circuit 230 kV transmission line (proposed 230 kV transmission line), as well as modifications to an existing SDG&E substation (i.e., the Suncrest Substation).

2.1 PROJECT BACKGROUND AND NEED

The California Independent System Operator (CAISO) 2022-2023 Transmission Plan identified the need for the Proposed Project to upgrade the California electric grid to accommodate load growth. The Proposed Project will address CAISO-identified reliability constraints (i.e., operational challenges and thermal overloads) on SDG&E's existing Transmission Line (TL) 23054 and TL23055 from SDG&E's existing Suncrest Substation to the existing Sycamore Canyon Substation, as well as the existing transformers at the existing Suncrest Substation. In addition, the Proposed Project will help supply the increase in forecasted load related to regional electrification. Based on the long-term planning assessments, higher continuous ratings are required for the 230 kV transmission lines out of the existing Suncrest Substation to handle the existing and future load conditions.

2.2 PROJECT OBJECTIVES AND PURPOSE

The primary objective or purpose of the Proposed Project is to address operational challenges and thermal overloads on SDG&E's existing transmission lines from the Suncrest Substation to the Sycamore Canyon Substation, as well as the existing transformers at the Suncrest Substation, as identified by CAISO in its 2022-2023 Transmission Plan. More specifically, the Proposed Project includes the following objectives:

- meet SDG&E's obligation to implement the CAISO-approved project;
- improve system reliability for SDG&E's approximately 3.7 million energy customers as well as the electrical grid as a whole;
- increase capacity to meet the forecasted load demands related to electrification;

- address operational challenges and thermal overloads on SDG&E's existing transmission lines (i.e., TL23054 and TL23055);
- address operational challenges and thermal overloads on existing transformers at SDG&E's existing Suncrest Substation;
- achieve commercial operation by 2032 to timely address critical reliability issues within the transmission system;
- locate the Proposed Project on land adjacent to SDG&E's existing right-of-way or existing utility uses, or otherwise avoid, mitigate, or minimize significant environmental impacts in a manner consistent with prudent transmission planning to the extent practicable;
- construct, operate, and maintain the facility with safety as a top priority;
- maintain compliance with North American Electric Reliability Corporation standards; and
- avoid or mitigate significant adverse impacts to both the environment and community to achieve a project that is designed for the greatest public good and least private injury.

2.3 PROJECT LOCATION

As depicted in Figure 1: Proposed Project Overview Map, the Proposed Project will cross unincorporated communities within San Diego County, California, including private parcels and open space easements. In addition, the Proposed Project will traverse land managed and/or owned by the County of San Diego, United States (U.S.) Forest Service (USFS) (i.e., Cleveland National Forest [CNF]), Sweetwater Authority, Endangered Habitats Conservancy, and California Department of Fish and Wildlife. One proposed staging yard will be located in the City of El Cajon.

The western end of the Proposed Project route begins on Vista De Montemar in unincorporated San Diego County in an underground configuration (i.e., Proposed 230kV Western underground [UG] Segment). The route continues southeast on Vista De Montemar until reaching La Cresta Road. From there, the route turns east onto La Cresta Road and continues in an easterly direction until reaching Mountain View Road. The route continues in a northeasterly direction on Mountain View Road until turning south onto Al Bahr Road. The route continues on Al Bahr Road until turning east onto Canyon Rim Drive. Following Canyon Rim Drive, the route continues southeast until reaching cross-country terrain, where it switches to an overhead configuration (i.e., Proposed 230kV overhead [OH] Segment), first entering onto land owned by Sweetwater Authority and then entering the CNF. The route continues through the CNF in a northeasterly direction, switches back to an underground configuration (i.e., Proposed 230kV Eastern UG Segment) just southwest of the existing Suncrest Substation and then loops into and terminates at the existing Suncrest Substation.

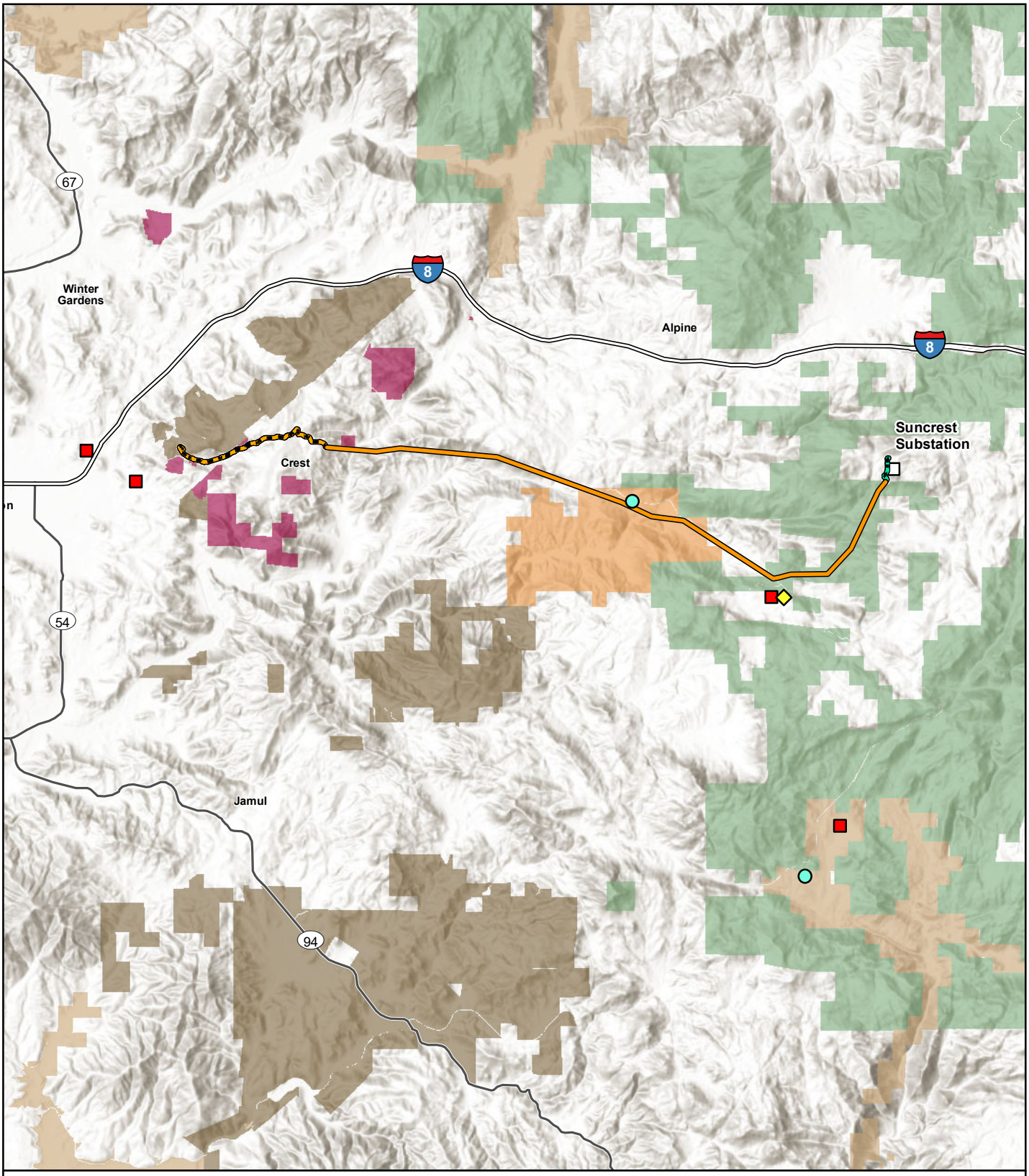

Figure 1: Proposed Project Overview Map — **Suncrest 230 Kilovolt Loop-In Project**

- Existing Suncrest Substation
- Fly Yard
- Staging Yard
- Staging/Fly Yard
- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Proposed 230 kV Western UG Segment
- Interstate
- Major Road/State Highway

Landownership

- California Department of Fish and Wildlife
- City of San Diego
- United States Forest Service
- Endangered Habitats Conservancy
- Sweetwater Authority

1:150,000

0 1 2 Miles

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From the U.S. Army Corps of Engineers (USACE) Los Angeles District office, the Proposed Project can be reached by taking California State Route (CA-) 110 South to Interstate (I-) 405. Take the exit toward CA-73 South and then merge onto I-5 South. Continue straight and merge onto I-805 South and then take exit 17B to merge onto I-8 East. Take exit 20 for Greenfield Drive toward Crest for approximately 0.2 mile. Turn left onto La Cresta Road and follow La Cresta Road for approximately 1.9 miles until reaching the Proposed Project located at the decimal degrees of 32.809350, -116.889008.

2.4 PROJECT COMPONENTS

The Proposed Project includes the following main components:

- Construction of a proposed approximately 14.5 mile-long, double-circuit 230 kV transmission line segment consisting of overhead and underground configurations, which include the following segments as depicted on Attachment A: Biological Resources Map:
  - the Proposed 230 kV Western UG Segment;
  - the Proposed 230 kV OH Segment; and
  - the Proposed 230 kV Eastern UG Segment.
- Modifications inside the existing Suncrest Substation, which include the following:
  - installation of a 500/230 kV transformer bank and associated tertiary reactors, circuit breakers, disconnects, and communication equipment; and
  - construction of a 230 kV bay to accommodate the loop-in of TL23021 to the existing Suncrest Substation.

2.5 PROJECT CONSTRUCTION

The overhead portions of the transmission line will first require permanent access roads, permanent walking paths, or permanent helicopter takeoff and landing zones to be established at each structure location where current access does not exist. In addition, each structure location will require a temporary work area to facilitate construction, as well as a permanent work area to accommodate the permanent footprint of the structure. This process will involve vegetation clearing and blading, as required to create a flat area to facilitate construction. For the overhead structures, one or more foundations for each structure will be constructed prior to the erection of tower structures or monopoles. Lastly, the conductors and optical ground wires will be strung along the transmission line alignment. Following construction, a portion of land surrounding the proposed structures and some access roads will remain clear of vegetation to facilitate future inspection and operation and maintenance (O&M).

The underground portion of the transmission line will include the installation of duct banks and utility vaults using open-cut trenching techniques, unless alternate methods (e.g., horizontal directional drilling) are required to cross existing facilities or sensitive resources. After installation of the duct banks, cable segments will be pulled into the duct banks, spliced at each of the vaults along the route as required, and terminated at the transition where the lines convert to overhead. At each end of the proposed 230 kV underground segment, the cables will rise out of the ground and terminate at cable poles to connect to the overhead portions of the transmission

line. Following the completion of construction activities, the open trenches will subsequently be backfilled, paved or returned to pre-existing grade and contours, as practicable. Restoration activities will be conducted in accordance with negotiated agreements with landowners and in compliance with applicable permits.

Modifications to the existing Suncrest Substation will be conducted within the existing substation property and will not require expansion of the facility. Following the completion of the modifications at the substation, testing and commissioning will be conducted before energization.

The Proposed Project will also require the establishment of temporary staging/fly yards, temporary stringing sites, temporary guard structures, and temporary construction work areas for use during construction. All temporarily impacted areas will be restored to near pre-construction grade and contours as practicable after work is complete. Restoration activities will be conducted in accordance with negotiated agreements with landowners and in compliance with applicable permits.

2.6 CONSTRUCTION SCHEDULE

Construction is anticipated to occur in two phases: construction of the proposed 230 kV transmission line and modifications to the existing Suncrest Substation. Construction of the proposed 230 kV transmission line is anticipated to begin in 2027. Modifications to the existing Suncrest Substation are anticipated to begin in 2028. Construction is anticipated to occur year-round or as authorized by permits and authorizations. Per the CAISO technical specifications, the Proposed Project is required to be energized by 2032.

2.7 OPERATIONS AND MAINTENANCE

SDG&E will conduct ongoing O&M of all Proposed Project components. These planned activities will involve regular inspections of facilities, repairs on an as-needed basis, and the maintenance of transmission line rights-of-way. O&M will be incorporated into SDG&E's existing programs with existing equipment, experienced staff, and contractors. SDG&E's local maintenance/technical staff and outside resources will respond to maintenance issues and emergency situations.

3 – REGULATORY FRAMEWORK

3.0 FEDERAL

3.0.0 National Forest Management Act

The National Forest Management Act was enacted in 1976 to provide for the management and protection of national forests under the jurisdiction of the USFS. The USFS lands surrounding the Proposed Project include portions of the CNF. Congress directed the USFS to develop Land and Resource Management Plans and manage national forests for multiple uses and benefits, including protection and management of natural resources; forestry and range land management and research; and community assistance and cooperation with state and local governments. This statute requires that "[r]esource plans and permits, contracts, and other instruments for the use

and occupancy of National Forest System lands shall be consistent with the land management plans" (16 U.S. Code [U.S.C.] § 1604[i]).

Land and Resource Management Plans are further supplemented with USFS manuals. These manuals contain legal authorities, objectives, policies, responsibilities, instructions, and guidance regularly used by agency employees to complete their work. Forest Service Manual 2600 Wildlife, Fish, and Sensitive Plant Habitat Management (Chapter 2670 - Threatened, Endangered and Sensitive Plants and Animals) directs the USFS to identify, manage, and protect sensitive species. USFS Sensitive (USFSS) species include those plant and animal species identified by a regional forester for which population viability is a concern, as evidenced by:

- significant current or predicted downward trends in population numbers or density, and/or
- significant current or predicted downward trends in habitat capability that would reduce a species' existing distribution.

3.0.1 Federal Endangered Species Act

The federal Endangered Species Act (FESA) was enacted in 1973 to protect plants and wildlife that are listed as endangered or threatened by the U.S. Fish and Wildlife Service (USFWS) and the National Oceanic and Atmospheric Administration's National Marine Fisheries Service (NOAA Fisheries). Pursuant to the FESA, the take of endangered wildlife is prohibited, where "take" is defined as to "harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, collect, or attempt to engage in such conduct" (16 U.S.C. §§ 1532[19], 1538). For plants, this statute governs removing, possessing, maliciously damaging, or destroying any listed plant on federal land and removing, cutting, digging up, damaging, or destroying any listed plant on non-federal land in knowing violation of state law (16 U.S.C. § 1538[c]).

Under Section 7 of the FESA, federal agencies are required to consult with the USFWS and/or NOAA Fisheries if their actions, including permit approvals or funding, could adversely affect a listed species (including plants) or its critical habitat. Through consultation and the issuance of a Biological Opinion, the USFWS and/or NOAA Fisheries may issue an incidental take statement, allowing take of the species that is incidental to an authorized activity, provided that the action would not jeopardize the continued existence of the species. Through Section 10 of the FESA, private parties may develop a Habitat Conservation Plan (HCP) in coordination with the USFWS to address incidental take of federally listed species and an Incidental Take Statement may be issued to authorize the incidental take.

3.0.2 National Environmental Policy Act

The National Environmental Policy Act (NEPA) was enacted in 1970 to establish a national policy that requires federal agencies to assess the environmental effects of proposed major federal actions prior to making decisions. Pursuant to NEPA (42 U.S.C. §§ 4321-4370), any major federal actions significantly affecting the quality of the human environment must include a detailed summary on the environmental impact of the proposed action, as well as any unavoidable adverse environmental effects; this includes analyses of potential impacts on federally listed species and non-listed species.

3.0.3 Bald and Golden Eagle Protection Act

The Bald and Golden Eagle Protection Act (BGEPA) was enacted in 1940, and later amended in 1962, to protect the bald eagle (*Haliaeetus leucocephalus*) and golden eagle (*Aquila chrysaetos*). The BGEPA (16 U.S.C. §§ 668-668d) prohibits the take, possession, sale, purchase, barter, offering to sell or purchase, export or import, or transport of bald eagles and golden eagles and their parts, eggs, or nests without a permit issued by the USFWS. The definition of "take" includes to pursue, shoot, shoot at, poison, wound, kill, capture, trap, collect, molest, or disturb these species.

3.0.4 Migratory Bird Treaty Act

The Migratory Bird Treaty Act (MBTA) (16 U.S.C. §§ 703-712) was enacted in 1918 to recognize international treaties between the U.S. and other countries that have been implemented to protect migratory birds and any of their parts, eggs, and nests from activities such as hunting, pursuing, capturing, killing, selling, and shipping, unless expressly authorized in the regulations or by permit. The MBTA prohibits acts to "pursue, hunt, take, capture, or kill, or attempt to take, capture, or kill" migratory birds and a range of buying, selling, and transporting activities (16 U.S.C. 703). "Take" is defined as "to pursue, hunt, shoot, wound, kill, trap, capture or collect, or attempt to pursue or collect" a bird. Birds, nests, and eggs are protected. The applicable regulations prohibit the take, possession, import, export, transport, sale, purchase, barter, or offering of these activities, except under a valid permit or as permitted in the implementing regulations (50 CFR § 21.11).

3.0.5 Clean Water Act

On November 20, 2025, the U.S. Environmental Protection Agency (EPA) and USACE published in the Federal Register a proposed updated definition of waters of the U.S. (WOTUS) under the Clean Water Act (CWA) to align with the 2023 Supreme Court decision in *Sackett v. EPA*. The updated definition of WOTUS focuses federal jurisdiction on relatively permanent, standing, or continuously flowing waters and wetlands that have a continuous surface connection or are practically indistinguishable from such waters. Additionally, updates to the definition include removing interstate waters as a standalone jurisdictional category, adding an explicit groundwater exclusion, and simplifying or broadening several exclusions, collectively reducing the range of wetlands, tributaries, ditches, and other features that qualify as WOTUS and are subject to federal permitting, particularly under CWA Section 404 (EPA and USACE 2025).

Section 404

Section 404 of the CWA requires project proponents to obtain a permit from the USACE before performing any activity involving a discharge of dredged or fill material into WOTUS, which include the following:

- navigable WOTUS,
- interstate waters,
- all other waters where the use or degradation or destruction of the waters could affect interstate or foreign commerce,

- tributaries to any of these waters, and
- wetlands that have a continuous surface connection to WOTUS and intrastate lakes and ponds that are relatively permanent or continuous with flowing water with a surface connection to WOTUS.

Section 402

CWA Section 402 regulates construction-related storm water discharges to surface waters through the National Pollutant Discharge Elimination System program, which is administered by the EPA. In California, the State Water Resources Control Board (SWRCB) is authorized by the EPA to oversee the program generally through the Regional Water Quality Control Boards (RWQCBs). The Proposed Project is within the jurisdiction of the San Diego RWQCB (Region 9).

Section 401

Under CWA Section 401(a)(1), the applicant for a federal license or permit to conduct an activity that may result in a discharge into WOTUS must provide the federal licensing or permitting agency with a certification that any such discharge would not violate state water quality standards. In California, the RWQCBs administer the Section 401 program to prescribe measures for projects that are necessary to avoid, minimize, and mitigate adverse effects on water quality and ecosystems.

3.1 STATE

3.1.0 California Endangered Species Act

The California Endangered Species Act (CESA) (California Fish and Game Code [FGC] §§ 2050-2089.25) was enacted in 1970 and generally parallels the main provisions of the FESA. Pursuant to the CESA, the take, possession, purchase, sale, and import or export of endangered, threatened, or candidate species is prohibited, unless otherwise authorized by permit or in the regulations. Take is defined as to "hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill" (FGC § 86). The CESA allows for take incidental to otherwise lawful projects. State lead agencies are required to consult with the CDFW to ensure that any action they undertake is not likely to jeopardize the continued existence of any endangered or threatened species or result in destruction or adverse modification of essential habitat. Under FGC Section 2081(b), the CDFW can issue an Incidental Take Permit (ITP) to allow take of a CESA-listed species if such take is incidental to, and not the purpose of, carrying out an otherwise lawful activity. Permittees must implement species-specific avoidance and minimization measures and fully mitigate impacts to species. Under FGC Section 2081.1, and to the extent a federal take authorization has been issued, the CDFW may find the federal authorization to be consistent with California's requirements and issue a Consistency Determination allowing the federal authorization to also act as the state take authorization.

3.1.1 California Environmental Quality Act

The California Environmental Quality Act (CEQA) was enacted in 1970 to provide for full disclosure of environmental impacts to the public before issuance of a permit by local public

agencies. In addition to federally or state-listed species, special-status plants and animals receive consideration under CEQA. Special-status species include wildlife species of special concern (SSCs), which are designated by the CDFW. Pursuant to the CEQA Guidelines, some SSCs could be considered "rare" (Title 14 California Code of Regulations [Cal. Code Regs.] Section 15380). Any unmitigated impacts to rare species could be considered a "significant effect on the environment" (Title 14 Cal. Code Regs. Section 15382). Thus, SSCs must be considered in any project that undergoes CEQA review and/or that must obtain environmental permits from a public agency.

3.1.2 California Fish and Game Code Sections 1600-1617

FGC Section 1600 et seq. sets forth guidelines for the protection and conservation of fish and wildlife, including habitat. The law requires any person, state or local governmental agency, or public utility to provide written notification to the CDFW before beginning an activity that would substantially modify the bank or bed of a river, stream, or lake (prior to causing any potential hydrological impacts), and enter into a Lake or Streambed Alteration Agreement with the CDFW that includes measures to protect fish and wildlife resources.

3.1.3 California Fish and Game Code Sections 3503, 3503.5, and 3513

FGC Section 3503 states that it is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird, except as otherwise provided by this code or any regulation made pursuant thereto. Section 3503.5 specifies these protections for birds in the orders Falconiformes and Strigiformes (i.e., raptors). Section 3513 also makes it unlawful to take, possess, or destroy any birds of prey or to take, possess, or destroy the nest or eggs of any such bird.

3.1.4 California Fish and Game Code Sections 3511, 4700, 5050, and 5515

The State of California first began to designate species as "fully protected" prior to the creation of the CESA and FESA. Lists of fully protected species were initially developed to provide protection to animals (i.e., fish, amphibians, reptiles, birds, and mammals) that were rare or facing possible extinction. Most fully protected species have since been listed as threatened or endangered under the CESA and/or FESA. ITPs cannot be issued for a fully protected species unless its conservation and management is covered in a Natural Community Conservation Plan or the project meets the requirements of California Senate Bill 147 (Ashby, 2023) for specific project types.

3.1.5 Porter-Cologne Water Quality Control Act

The Porter-Cologne Water Quality Control Act requires the SWRCB and the nine RWQCBs to adopt water quality criteria to protect waters of the state. Each RWQCB must prepare and periodically update water quality control plans, also known as basin plans. Each basin plan establishes numerical or narrative water quality objectives to protect established beneficial uses, which include wildlife, fisheries, and their habitats. Projects that affect wetlands or waters of the state, including groundwater, must meet the discharge requirements of the RWQCB, which may be issued in addition to a water quality certification or waiver under Section 401 of the CWA.

3.1.6 Native Plant Protection Act

The Native Plant Protection Act (NPPA) was enacted in 1977 with the intent to "preserve, protect, and enhance rare and endangered plants in this State." The NPPA (FGC §§ 1900-1913) is administered by the CDFW. The California Fish and Game Commission has the authority to designate native plants as "endangered" or "rare" and to protect them from take. The NPPA also stipulates that no person may take or possess any endangered or rare native plant, or any part or product thereof. However, this does not apply to the removal of endangered or rare native plants within a ROW by the owner(s) of the land or their agent(s), nor does it apply to the obligation of a publicly or privately owned public utility to provide service to the public.

3.1.7 California Desert Native Plants Act

The California Desert Native Plants Act (CDNPA) (California Food and Agriculture Code §§ 80001-80006) was created to protect non-listed California desert native plants from unlawful harvesting on both public and privately owned lands. The CDNPA only applies within the boundaries of Imperial, Inyo, Kern, Los Angeles, Mono, Riverside, San Bernardino, and San Diego counties. Harvest, transport, sale, or possession of specific native desert plants is prohibited unless a person has a valid permit. The following plants are under the protection of the CDNPA:

- *Psorothamnus spinosa* (i.e., smoketree),
- *Senegalia greggii* (i.e., catclaw),
- *Atriplex hymenelytra* (i.e., desert-holly),
- *Olneya tesota* (i.e., desert ironwood),
- all species of the genus *Parkinsonia* (e.g., palos verdes),
- all species of the genus *Prosopis* (e.g., mesquites),
- all species of the family Agavaceae (e.g., century plants, nolinas, yuccas),
- all species of the family Cactaceae (e.g., chollas, cactuses, prickly pears), and
- all species of the family Fouquieriaceae (e.g., ocotillo, candlewood).

3.1.8 California Code of Regulations (Title 14, Sections 251.1, 670.2, and 670.5)

Title 14 Cal. Code Regs. Section 251.1 restricts the harassment of non-game birds and mammals. Harassment is defined as an intentional act that disrupts an animal's normal behavior patterns, which includes (but is not limited to) breeding, feeding, or sheltering. Sections 670.2 and 670.5 list animals designated as "threatened" or "endangered" in California. SSC is a category conferred by the CDFW on species that are indicators of regional habitat changes or that are considered potential future protected species. SSCs do not have any special legal status, but this category is intended as a management tool to take these species into special consideration when decisions are made concerning the future of any owned parcel.

3.2 REGIONAL AND LOCAL

3.2.0 San Diego Gas & Electric Company's Subregional Plan and 2023 Habitat Conservation Plan Amendment

HCPs are planning documents that are required as part of an application for an ITP under Section 10 of the FESA. HCPs must meet the following permit issuance criteria of FESA § 10(a)(2)(B):

(i) take would be incidental;
(ii) the applicant would, to the maximum extent practicable, minimize and mitigate the impacts of the taking;
(iii) the applicant would ensure that adequate funding for the plan would be provided;
(iv) taking would not appreciably reduce the likelihood of the survival and recovery of the species in the wild; and
(v) other measures, as required by USFWS, would be met.

SDG&E's Subregional Plan was the first planning document prepared by SDG&E to support an ITP application under Section 10 of the FESA. The Subregional Plan was then replaced by SDG&E's HCP Amendment in 2023. These plans are discussed further in the following subsections.

1995 Subregional Natural Community Conservation Plan

In the mid-1990s, SDG&E developed its Subregional Natural Community Conservation Plan (Subregional Plan) with the USFWS and the CDFW pursuant to the FESA, Natural Community Conservation Planning Act, and FGC § 2800 et seq., respectively. The Subregional Plan was designed to avoid, minimize, and mitigate impacts to numerous Covered Species (i.e., species covered by the plan) and their habitat while allowing SDG&E to undertake Covered Activities (i.e., those needed to install, maintain, operate, repair, and expand its existing gas and electric system). In 1995, the USFWS determined that the Subregional Plan met the permit issuance criteria of FESA § 10(a)(2)(B) and issued SDG&E an ITP that authorized a total of 400 acres of habitat modification as a result of SDG&E's Covered Activities before requiring an amendment to the Subregional Plan. Authorizations under this 30-year plan have now expired and have been replaced by the 2023 HCP Amendment, which is discussed in the following section.

2023 Habitat Conservation Plan Amendment

The 2023 HCP Amendment maintains and bolsters the Operational Protocol and Species-Specific Protocols outlined in the 1995 Subregional Plan in order to achieve its goal of maintaining habitat quality for the Covered Species. For instance, SDG&E will continue to:

(i) provide comprehensive annual training to all SDG&E personnel working within natural habitats (Section 5.1.2);
(ii) provide a process to ensure SDG&E activities comply with the HCP Amendment (Section 5.1.3); and
(iii) implement Species-Specific Protocols as needed to avoid and minimize impacts to species (Section 5.1.13).

Covered Activities supporting new projects that will impact a narrow endemic plant species, vernal pool species, Laguna Mountains skipper (*Pyrgus ruralis lagunae*), Hermes copper butterfly, arroyo toad, southwestern willow flycatcher (*Empidonax traillii extimus*), light-footed Ridgway's rail (*Rallus obsoletus levipes*), western yellow-billed cuckoo (*Coccyzus americanus occidentalis*), tricolored blackbird (*Agelaius tricolor*), southwestern pond turtle (*Actinemys pallida*), California red-legged frog (*Rana draytonii*), Stephens' kangaroo rat (*Dipodomys stephensi*), or Pacific pocket mouse (*Perognathus longimembris pacificus*), and/or more than 1.75 acres of a Preserve or Proposed Preserve will require Minor Amendments to the HCP Amendment.

3.2.1 Quino Low-Effect Habitat Conservation Plan

On August 20, 2007, the USFWS issued SDG&E an ITP for the Low-Effect Habitat Conservation Plan under FESA Section 10(a)(l)(b) for the federally endangered Quino checkerspot butterfly (*Euphydryas editha quino*) for SDG&E (Quino LEHCP) (SDG&E 2007). The purpose of the Quino LEHCP is to minimize and mitigate the effects of SDG&E's Covered Activities on the Quino checkerspot butterfly over the 50-year term of the USFWS ITP. Similar to measures outlined in the HCP Amendment for invertebrate species, the Quino LEHCP includes operational protocols, including pre-activity surveys and mitigation requirements to minimize potential impacts from SDG&E Covered Activities. Because the Quino checkerspot butterfly is covered independently under the Quino LEHCP, it is not included as a Covered Species in the previously discussed HCP Amendment. The Quino LEHCP permitted up to 33 acres of impacts to Quino checkerspot butterfly habitat.

4 – PRELIMINARY AGENCY CONSULTATION

No pre-survey contact with applicable wildlife agencies (i.e., CDFW and USFWS) was conducted with regards to this report. No agency approvals were required for biologists conducting surveys. However, all surveys were conducted by individuals who had the educational background, training, and work experience required to perform the biological resource surveys which support this report. Botanical field surveys were conducted in accordance with CNPS, 2001, CDFW (2018), and USFWS (2000). Aquatic resource delineations were conducted in accordance with USACE (1987), SWRCB (2019), USACE (2008a), and USACE (2008b). Agency protocols and best practices applied to the survey effort are detailed in Section 5.3 Biological Resource Survey Method.

5 – METHODS

5.0 SURVEY AREA

A desktop analysis and reconnaissance-level field survey of the survey area were conducted to assess the potential for sensitive biological resources and aquatic features within the survey area. The survey area includes the footprint of all Proposed Project components, as well as an approximately 150-foot buffer surrounding each component. The survey area consists of an approximately 300-foot corridor along the transmission line totaling approximately 654 acres.

This buffer distance was selected for consistency with past SDG&E projects and to account for minor adjustments in the Proposed Project design (i.e., shifting pole locations).

5.1 DEFINITIONS

The following definitions were used to define special-status resources within the survey area.

5.1.0 Sensitive Vegetation Communities and Habitats

Natural communities were considered sensitive if they met one or more of the following criteria:

- sensitive vegetation communities or habitats identified in local or regional plans, policies, or regulations, or as designated by the CDFW[1] or USFWS;
- areas that provide habitat for locally unique biotic species/communities (e.g., oak woodlands, grasslands, and forests);
- habitat that contains or supports rare, endangered, or threatened wildlife or plant species as defined by the CDFW and USFWS;
- habitat that supports CDFW SSCs;
- areas that provide habitat for rare or endangered species and that meet the definition in the CEQA Guidelines (Title 14 Cal. Code Regs. Section 15380);
- areas within existing game and wildlife refuges and reserves;
- lakes, wetlands, estuaries, lagoons, streams, and rivers; and
- riparian corridors.

5.1.1 Special-Status Plants

Plants were considered special-status species if they met one or more of the following criteria:

- USFSS species;
- species covered by SDG&E's HCP Amendment and NCCP;
- species listed or proposed for listing as threatened or endangered under the FESA (50 Code of Federal Regulations [CFR] § 17.12 [listed plants], and various notices in the Federal Register [proposed species]);
- species that are candidates for possible future listing as threatened or endangered under the FESA (61 Federal Register [FR] § 40, February 28, 1996);
- species listed or proposed for listing by the State of California as threatened or endangered under the CESA (Title 14 Cal. Code Regs. Section 670.5);

[1] CDFW's Rarity Ranking follows NatureServe's Heritage Methodology (Faber-Langendoen et al. 2016), in which communities are given a G (global) and S (state) rank based on their degree of imperilment (as measured by rarity, trends, and threats). Communities with a Rarity Ranking of S1 (critically imperiled), S2 (imperiled), or S3 (vulnerable) are considered sensitive by CDFW.

- species that meet the definitions of rare and endangered under the CEQA Guidelines (Title 14 Cal. Code Regs. Section 15380), which provide that a plant or animal species may be treated as "rare or endangered" even if it does not appear on one of the official lists;

- species listed as rare or endangered under the California Native Plant Protection Act (FGC § 1900, et seq.); and

- species considered by the California Native Plant Society (CNPS) to be "rare, threatened or endangered in California" (California Rare Plant Ranks [CRPRs] 1A, 1B, 2A, and 2B), as well as CRPR 3 and CRPR 4 plant species, which are defined as follows:

  - 1A, which is the designation for plants that are presumed extinct in California and rare/extinct elsewhere;
  - 1B, which is the designation for plants that are rare or endangered in California and elsewhere;
  - 2A, which is the designation for plants that are presumed extirpated in California, but are more common elsewhere;
  - 2B, which is the designation for plants that are rare, threatened, or endangered in California, but are more common elsewhere;
  - 3, which is the designation for plants about which more information is needed; and
  - 4, which is the designation for plants of limited distribution.

5.1.2 Special-Status Wildlife

Wildlife species were considered special-status species if they met one or more of the following criteria:

- USFSS species;

- species listed or proposed for listing as threatened or endangered under the FESA (50 CFR § 17.11 [listed animals] and various notices in the Federal Register [proposed species]);

- species that are candidates for possible future listing as threatened or endangered under the FESA (61 FR § 40, February 28, 1996);

- species listed or proposed for listing by the State of California as threatened or endangered under the CESA (Title 14 Cal. Code Regs. Section 670.5);

- species that meet the definitions of rare and endangered under the CEQA Guidelines (Title 14 Cal. Code Regs. Section 15380), which provide that a plant or animal species may be treated as "rare or endangered" even if it does not appear on one of the official lists;

- species designated by CDFW as Fully Protected (FGC §§ 3511, 4700, 5050, and 5515) or as SSC;

- species protected under the BGEPA;
- Birds of Conservation Concern or Watch List species;
- species covered by SDG&E's HCP Amendment and NCCP, and
- bats considered by the Western Bat Working Group to be "high" or "medium" priority (Western Bat Working Group 2015).

5.1.3 Potential to Occur Evaluation

Special-status plant and wildlife species were evaluated to determine their potential to occur within the survey area. A species' potential to occur within the survey area was evaluated based on the species' range and habitat requirements as well as the proximity of the survey area to known occurrences of the species and the date of those records. A desktop review was completed as described in Section 5.2 Desktop Review to account for potentially suitable habitat located within inaccessible parcels. During the field survey, inaccessible parcels were also viewed with binoculars from nearby, accessible vantage points, to the extent practicable. Species were designated as one of the following:

- **Present** – This species was positively identified visually or aurally during the pre-activity survey, focused or protocol-level surveys, or incidentally. Positively identified scat, tracks, or other physical markers confirm presence as well.
- **High Potential** – Recent occurrence data (i.e., within the past 20 years) indicate that the species has been known to occur within the vicinity of the Proposed Project (i.e., within one mile) and the species is likely to be found in the survey area during implementation of covered activities. The area provides moderately to highly suitable habitat, including vegetation composition and density, required soils, hydrologic features, and presence of host plants/food source as applicable. Some species, such as perennial woody shrubs, may have high potential to occur at a site with recent nearby occurrence records and habitat may be highly suitable, but if not observed during the survey, it can be assumed that these species are absent since they would have been detected if present.
- **Moderate Potential** – There is a possibility that the species could be found in the survey area during implementation of covered activities, where either:
  - The survey area supports moderately to highly suitable habitat (including vegetation, soils, hydrology, and food availability as described previously) and is within the current known distribution of the species, but there are historical observations (i.e., occurrence records are older than 20 years) and/or the record is within one mile from the survey area; or
  - The survey area only supports low-suitable habitat for the species (including vegetation, soils, hydrology, and food availability as described above), but the species has been observed during recent surveys within the vicinity of the survey area (one mile).

- **Low Potential** – The species is not expected to be found in the survey area during implementation of covered activities, due to the following conditions:
  - the survey area provides low-quality suitable habitat (including vegetation, soils, hydrology, and food availability as described previously),
  - barriers to wildlife migration or dispersal are present (e.g., an arroyo toad (*Anaxyrus californicus*) location is within one mile, but it is in the next canyon over from the survey area with little to no connectivity to the survey area),
  - nearby occurrence records are dated (greater than 20 years old) or are from greater than one mile from the Proposed Project, or
  - predators or invasive species that inhibit survival or occupation are present.
- **Absent** – The survey area does not provide suitable habitat, the species is known to be restricted to habitats or specific areas outside of the survey area, and/or the species is considered extirpated from the area.

5.2 DESKTOP REVIEW

The following literature and databases were reviewed for information regarding vegetation communities, land cover types, and sensitive biological resources:

- aerial photographs of the survey area;
- the California Essential Habitat Connectivity Project, which was reviewed for natural habitat blocks and areas of connectivity within the survey area (Spencer et al. 2010);
- the California Wildlife Habitat Relationships database for life history and range maps of special-status species (CDFW 2025c);
- the California Natural Diversity Database (CNDDB) (CDFW 2025a) and San Diego County SanBIOS database (SanBIOS 2025), which were reviewed for records of special-status species within five miles of the survey area;
- SDG&E data from surveys conducted in support of past projects (i.e., Sunrise Powerlink Project and CNF Electric Safety and Reliability Project [ESRP]) located in the vicinity of the Proposed Project;
- Sweetwater Authority data from surveys conducted in the vicinity of Loveland Reservoir;
- the CNF list of USFS sensitive species;
- the Bumble Bee Watch Database (The Xerces Society for Invertebrate Conservation [Xerces Society] 2025a), which was reviewed for records of special-status bumble bee species within five miles of the survey area;

- the Western Monarch Overwintering Site Viewer (Xerces Society 2025b), which was reviewed for overwintering sites located within five miles of the survey area;
- the CNPS Inventory of Rare and Endangered Plants of California (CNPS 2025), which was reviewed for records of special-status plant species within quads overlapping the survey area;
- the Calflora database, which was reviewed for records of special-status plant species within or near the survey area (Calflora 2025);
- the Consortium of California Herbaria (CCH), which was reviewed for records of special-status plant species within or near the survey area (CCH 2025);
- the USFWS Information for Planning and Consultation database (USFWS 2025a), which was reviewed for a list of federally threatened and endangered species known to occur within or near the Proposed Project and to determine the Proposed Project's proximity to USFWS-designated critical habitat; and
- the USFWS National Wetlands Inventory (NWI) (USFWS 2025b), the U.S. Geological Survey (USGS) National Hydrography Dataset (USGS 2025), and SanGIS Hydrology data (SanGIS 2025), which were reviewed for potentially jurisdictional aquatic features that may be located within the survey area.

5.3 BIOLOGICAL RESOURCE SURVEY METHOD

Between April 2 and September 4, 2025, Insignia Environmental (Insignia) biologists conducted a habitat assessment, an aquatic resources delineation, and botanical field surveys.[2] Methodology for these three survey efforts are detailed below. Table 1: Survey Schedule summarizes the survey schedule for the habitat assessment, jurisdictional delineations, and focused botanical field surveys.

5.3.0 Habitat Assessment

A biological survey was conducted to evaluate whether the survey area contained habitat suitable to support special-status species, to map vegetation communities within the survey area, and to document observed plant and wildlife species. The habitat assessment was performed by walking meandering transects throughout the survey area.

Vegetation communities were mapped based on habitats described in Section 3.2 of SDG&E's HCP Amendment (SDG&E 2023). Other non-vegetative land covers (e.g., rock outcrops, unimproved roads, and bare ground) were documented as well. The biologists identified dominant plant species and mapped the vegetation communities and land cover. Since the HCP Amendment does not identify sensitive vegetation communities, Appendix E: SDG&E Vegetation Crosswalk in the HCP Amendment and dominant plant species within mapped vegetation communities were consulted to identify the CDFW sensitive natural communities present within the survey area.

[2] Alec Goodman, a Rocks Biological Consulting biologist, assisted in the botanical field survey on July 1, 2025.

Table 1: Survey Schedule

Survey(s)	Date	Biologist(s)	Weather (degrees Fahrenheit [˚F])
Habitat Assessment and Aquatic Resources Delineation	4/2/2025	Matt Bristol, Kevin Kilpatrick	52-61; mostly cloudy
	4/3/2025	Matt Bristol, Kevin Kilpatrick	46-63; rain[3]
	4/4/2025	Matt Bristol, Kevin Kilpatrick	41-68; mostly sunny
	4/14/2025	Matt Bristol, Kevin Kilpatrick, Brian Cropper, Cloe Hentz	46-70; foggy
	4/15/2025	Matt Bristol, Kevin Kilpatrick, Brian Cropper, Cloe Hentz	46-59; foggy
	4/16/2025	Matt Bristol, Cloe Hentz	48-59; cloudy
Habitat Assessment, Aquatic Resources Delineation, and Round 1 Botanical Field Survey	4/28/2025	Kelly Otto, Matt Bristol	46-60; foggy
	4/29/2025	Kelly Otto, Matt Bristol	48-72; partly cloudy
	4/30/2025	Brian Cropper, Kelly Otto, Matt Bristol	47-73; foggy
	5/1/2025	Brian Cropper, Kelly Otto, Matt Bristol	50-68; partly cloudy
	5/2/2025	Brian Cropper, Kelly Otto, Matt Bristol	51-71; foggy
	5/7/2025	Cloe Hentz, Matt Bristol	54-73; partly cloudy
	5/8/2025	Cloe Hentz, Matt Bristol	62-80; foggy
	5/12/2025	Kelly Otto, Matt Bristol	48-72; foggy
	5/17/2025	Cloe Hentz, Matt Bristol	48-72; foggy
	5/22/2025	Cloe Hentz, Jim Pawlicki	53-83; foggy
Habitat Assessment, Aquatic Resources Delineation, and Round 2 Botanical Field Survey	6/27/2025	Julie Roshala Moroney, Matt Bristol	56-86; foggy
	6/30/2025	Kelly Otto, Matt Bristol	62-89; partly cloudy
	7/1/2025	Alec Goodman, Matt Bristol	56-84; foggy
	7/2/2025	Leison Bernstein, Matt Bristol	55-79; foggy
	7/3/2025	Jim Pawlicki, Matt Bristol	56-79; foggy
	7/8/2025	Kelly Otto, Matt Bristol	67-89; partly cloudy
	7/9/2025	Kelly Otto, Matt Bristol	71-92; sunny
	7/11/2025	Cloe Hentz, Kelly Otto	56-85; sunny
	7/17/2025	Cloe Hentz, Kelly Otto	60-82; partly cloudy
	7/18/2025	Cloe Hentz, Kelly Otto	61-79; partly cloudy

[3] Rain that occurred on this day was limited to light, scattered showers in the afternoon. Weather conditions were considered prior to the survey to minimize both false-positive and false-negative determinations for hydrological indicators.

Survey(s)	Date	Biologist(s)	Weather (degrees Fahrenheit [˚F])
Round 3 Botanical Field Survey	8/25/2025	Jaycie Roshala, Matt Bristol	67-92; partly cloudy
	8/26/2025	Jaycie Roshala, Matt Bristol	70-88; partly cloudy
	8/27/2025	Jaycie Roshala, Matt Bristol	68-91; mostly sunny
	8/28/2025	Jaycie Roshala, Jim Pawlicki	67-75; showers
	8/29/2025	Jaycie Roshala, Jim Pawlicki	69-91; sunny
	9/2/2025	Jaycie Roshala, Kelly Otto	73-94; scattered thunderstorms
	9/3/2025	Jaycie Roshala, Jim Pawlicki	58-82; sunny
	9/4/2025	Jaycie Roshala, Jim Pawlicki	60-83; sunny

These sensitive natural communities are listed using the alliance name from the Manual of California Vegetation classification and the broader HCP Amendment classification (Sawyer et al. 2009 and SDG&E 2023). The entirety of a mapped vegetation community is considered sensitive if a CDFW sensitive natural community is located within the vegetation community as mapped under the HCP Amendment classification. Acreages of vegetation communities and land covers were calculated using Geographic Information Systems -based tools in the North American Datum 1983 2011 Global Navigation Satellite System Coordinate System and WGS 1984 Web Mercator Auxiliary Sphere map coordinate system.

Multiple methods were used to map the boundaries. Biologists primarily mapped boundaries of vegetation communities using submeter-accurate Global Positioning System (GPS) units to delineate boundaries. Boundaries that were mapped using satellite imagery, topographic contours, and soils map units were field verified. Wildlife species observed during the survey were also recorded. Wildlife species were identified by direct observation, vocalizations, or the observance of scat and tracks. However, the wildlife identified are not necessarily comprehensive accounts of all species that utilize the survey area because species that are nocturnal, secretive, or seasonally absent may not have been observed. Photographs attached to polygons and/or points of potential special-status species habitat were documented using a submeter-accurate GPS unit.

5.3.1 Survey Limitations

Some portions of the Proposed Project were not accessed during the field surveys due to either the lack of landowner access permissions or steep topography and impenetrable vegetation. Therefore, these areas were not surveyed in the field. Areas that were inaccessible due to landowner access permissions occur on 13 parcels located throughout the survey area. Areas that were physically not traversable are located within the remote portions of CNF lands on the eastern side of the survey area. Areas that were not assessed in the field are depicted in Attachment A: Biological Resources Map. Based on both binocular observations of these inaccessible areas from nearby vantage points and a desktop review of the areas, it is likely that these areas consist of similar habitats and are occupied by the same plant and wildlife species found in the accessed portions of the survey area. Nonetheless, the inability to enter these areas limited the plant and wildlife observations during the field surveys.

The detectability of some special-status plant species may have also been limited due to climatic conditions during the time of the surveys. Both the timing and quantity of precipitation may have impacted the expression of special-status plant species, particularly annuals and geophytes. Geophytes are perennial plants with an underground storage organ (i.e., tuber, bulb, rhizome, taproot, or corm) that allow individuals to go dormant during periods of unfavorable environmental conditions. Geophytes within the survey area may have remained dormant for the duration of the survey or may have died back earlier than would be expected due to the timing and quantity of precipitation. Similarly, annuals within the survey area may not have germinated or bloomed or may have exhibited a reduced growing and blooming season.

The seasonal timing of the survey may have also limited the detection of wildlife that only over winter within or migrate through the survey area. Nocturnal wildlife would also have been unlikely to detect since surveys occurred during daylight hours. Therefore, wildlife observed during the survey is only intended to capture incidental observations and does not provide an inventory of all wildlife that occur within the survey area.

5.3.2 Aquatic Resources Delineation

Potentially jurisdictional aquatic resources within the survey area were assessed between April 2 and July 18, 2025. To the extent the terrain allowed, the surveys were conducted by walking meandering transects that were spaced no more than 50 feet apart and covered 100 percent of the survey area. All aquatic features that were observed during field surveys were mapped based on federal and state guidelines[4] as follows:

- USACE Wetland Delineation Manual (1987),
- State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State (2019),
- Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (USACE 2008a), and
- A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States: A Delineation Manual (USACE 2008b).

To the extent practicable, boundaries of WOTUS were mapped based on the federal definition of jurisdictional waters, including the presence of an OHWM and adjacent wetlands (where present) (USACE 1987, 2008a, 2008b). A positive wetland determination was made for those observation points that exhibited positive wetland field indicators for each of the three parameters: soils, hydrology, and vegetation. However, due to lack of access permissions and since these features were not located within the survey area, hydric soils were only assessed during the desktop review. Based on the desktop review and field surveys, Insignia biologists mapped wetlands based on hydrophytic vegetation and wetland hydrology indicators, if present. RWQCB jurisdiction under the CWA is the same as the USACE jurisdiction, but the RWQCB also regulates "isolated" waters as waters of the state; therefore, isolated wetlands, if observed, were also mapped. Identification of the boundaries of CDFW jurisdiction was based on the presence of a defined bed and bank or the outer extent of the riparian canopy (where present). Data on delineated boundaries of jurisdictional waters were collected using submeter-accurate GPS units.

5.3.3 Botanical Field Surveys

Botanical field surveys were conducted beginning on April 28, 2025 and were completed on September 4, 2025. To prepare for botanical field surveys, a list of special-status plants with the potential to occur in the survey area was created. The resulting list was used as a tool to identify reference sites, with the understanding that special-status plants in the survey area may not be limited to those on the list. Consequently, botanical field surveys and subsequent reporting were comprehensive and floristic in nature and not restricted to or focused only on a list. The resulting list was also utilized to plan survey dates to coincide with the anticipated blooming periods of special-status plant species. Three rounds of botanical field surveys were conducted to verify coverage of all blooming periods of special-status plant species with potential to occur within the

[4] Although a proposed updated definition of WOTUS was published in 2025, these proposed regulations were not applied to this analysis since the rule is not final and guidelines have not been published by the regulatory agencies to implement this rule. If the regulations are adopted, then the data collected during the field surveys would still be valid. The assignment of regulatory agencies to potentially jurisdictional areas would be updated as appropriate when agency guidance is available.

survey area. These surveys occurred from April to May, June to July, and August to September, which are within the blooming periods of all special-status plant species listed in Table 7: Special-Status Plant Species with the Potential to Occur, with the exception of Rainbow manzanita (*Arctostaphylos rainbowensis*) which has a low potential to occur and would be detectable year round since it is a perennial shrub. Surveys were conducted in accordance with guidelines published by the CNPS (2001), the CDFW (2018), and the USFWS (2000), which state the following:

- Surveys should be conducted at the proper time of year when locally significant plants are both evident and identifiable.
- Surveys must be floristic in nature, and the species, subspecies, or variety must be identified for every observed plant to determine the rarity status.
- Surveys must be conducted in a manner that is consistent with conservation ethics and accepted plant collection and documentation techniques.

The results of the botanical field surveys are discussed in Section 6 – Results.

5.3.4 Focused and Protocol-Level Wildlife Surveys Assessment

During the field survey, the survey area was also assessed by walking meandering transects throughout all accessible portions of the survey area to determine if special-status wildlife species requiring focused or protocol-level surveys have the potential to occur. During the survey, Insignia biologists assessed habitat suitability by considering species-specific requirements, including vegetation composition and structure, soils, hydrologic features, and presence of host plants or food sources (as applicable). Insignia biologists mapped host plants that were incidentally observed during the field survey; however, a complete inventory of host plants within the survey area was not conducted. Inaccessible areas were assessed with binoculars while in the field, to the extent practicable, and via desktop methods as described in Section 5.2 Desktop Review.

6 – RESULTS

6.0 ENVIRONMENTAL SETTING

This section provides the environmental setting of the survey area, including the topography, soils, climate, and hydrological resources within the survey area.

6.0.0 Geography and Soils

The survey area is located within topography ranging in elevation from approximately 800 feet above mean sea level (AMSL) near Harbison Canyon located near the western end of the Proposed Project to approximately 3,000 feet AMSL at the existing Suncrest Substation, located at the eastern end of the Proposed Project. The surface topography crossed by the survey area is relatively steep traversing numerous ridges, canyons, and hillsides with average slopes that are greater than 25 percent. The survey area is located within the USGS 7.5-minute series topographic quadrangles for El Cajon, Alpine, and Viejas Mountain.

Soils in the survey area are primarily composed of sandy loams which are detailed in Table 2: Soils within the Survey Area (U.S. Department of Agriculture [USDA] 2025). These soils are typically characterized as well-drained soils. Soils within the survey area are depicted in Attachment B: Survey Area Soils.

6.0.1 Climate and Hydrology

The nearest weather station to the survey area is located in the unincorporated community of Alpine, and this station records an average annual rainfall of 13.3 inches, with the majority of precipitation falling between November and March. The average annual temperature at this station is 63.6°F, with the monthly maximum reaching 104°F and the monthly minimum approaching 30°F (Applied Climate Information System [ACIS]) 2025). As detailed in Table 3: Monthly Precipitation, the total precipitation during the 2024/2025 rainy season (i.e., November to March) was substantially lower than the 2023/2024 rainy season.

The survey area is located within the following three watersheds:

- the Lower San Diego River Watershed, which encompasses the western portion of the survey area along La Cresta Road;
- the Middle Sweetwater River Watershed, which encompasses the central portion of the survey area from La Cresta Road to Loveland Reservoir; and
- the Upper Sweetwater River Watershed, which encompasses the eastern portion of the survey area from Loveland Reservoir to the existing Suncrest Substation.

Within the portion of the survey area that overlaps the Lower San Diego River Watershed, ephemeral features generally flow south into Forester Creek. This creek crosses the survey area in some areas, but it is mostly located just outside of the survey area where it flows west. Forester Creek is a tributary of the San Diego River.

Within the portion of the survey area that overlaps the Middle Sweetwater River Watershed, ephemeral features generally flow east, west, and north toward Harbison Canyon, where a perennial stream is located. This stream is a tributary to Sweetwater River. To the east of Harbison Canyon, ephemeral and intermittent features flow south toward the North Fork Sweetwater River, which is located south of the survey area and flows southeast to eventually meet Sweetwater River.

Within the portion of the survey area that overlaps the Upper Sweetwater River Watershed, Sweetwater River and Taylor Creek cross the survey area and flow south and southeast, respectively, into Loveland Reservoir. Farther east of Taylor Creek, ephemeral features similarly flow south and southeast. Just east of Japatul Road, Taylor Creek crosses the survey area again and flows north. Between this upstream crossing of Taylor Creek and the existing Suncrest Substation, ephemeral, intermittent, and perennial features generally flow east and eventually flow into Taylor Creek outside of the survey area. Peterson Canyon, where a perennial stream is located, crosses the survey area to the southwest of the existing Suncrest Substation.

Table 2: Soils within the Survey Area

Soil Map Unit Name	Approximate Acreage within the Survey Area
CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony	153.34
VvG - Vista rocky coarse sandy loam, 30 to 65 percent slopes	88.61
FeE - Fallbrook rocky sandy loam, 9 to 30 percent slopes	76.51
FaD2 - Fallbrook sandy loam, 9 to 15 percent slopes, eroded	43.73
FvE - Fallbrook-Vista sandy loams, 15 to 30 percent slopes	40.21
RaD2 - Ramona sandy loam, 9 to 15 percent slopes, eroded	38.99
CnE2 - Cieneba-Fallbrook rocky sandy loams, 9 to 30 percent slopes, eroded	34.68
AcG - Acid igneous rock land	24.70
ClG2 - Cieneba coarse sandy loam, 30 to 65 percent slopes, eroded	22.83
VsG - Vista coarse sandy loam, 30 to 65 percent slopes, Major Land Resource Area(MLRA) 20	20.53
FvD - Fallbrook-Vista sandy loams, 9 to 15 percent slopes	17.45
PfC - Placentia sandy loam, thick surface, 2 to 9 percent slopes	17.28
FaE2 - Fallbrook sandy loam, 15 to 30 percent slopes, eroded	16.29
FeE2 - Fallbrook rocky sandy loam, 9 to 30 percent slopes, eroded	15.82
VaC - Visalia sandy loam, 5 to 9 percent slopes	14.13
CnG2 - Cieneba-Fallbrook rocky sandy loams, 30 to 65 percent slopes, eroded	12.74
W – Water	4.69
VsD2 - Vista coarse sandy loam, 9 to 15 percent slopes, eroded	4.45
Rm – Riverwash	2.26
FaC - Fallbrook sandy loam, 5 to 9 percent slopes	1.62
VvE - Vista rocky coarse sandy loam, 15 to 30 percent slopes	1.40
GrB - Greenfield sandy loam, 2 to 5 percent slopes	1.22
LpD2 - Las Posas fine sandy loam, 9 to 15 percent slopes, eroded	0.84
VsE - Vista coarse sandy loam, 15 to 30 percent slopes, MLRA 20	<0.01
Total	**654.31**

Source: USDA 2025
Note: Summed values may not equal to total due to rounding.

Table 3: Monthly Precipitation

Year	Rainfall by Month (Inches)												Total
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	
2023	9.11	3.81	8.07	0.11	0.34	0.18	0.00	1.48	0.23	0.20	1.55	1.12	26.20
2024	4.73	6.56	4.23	1.14	0.20	0.00	0.00	0.04	0.00	0.00	0.32	0.02	17.24
2025	1.00	2.67	4.33	0.85	0.70	0.09	0.00	0.19	0.23	0.06	-	-	-

Source: Applied Climate Information System. 2025. WETS table.
Note: "-" indicates that this value is not available due to incomplete data.

6.1 VEGETATION COMMUNITIES

A total of 17 vegetation communities and land cover types were identified in the survey area, as depicted in Attachment A: Biological Resources Map and detailed in Table 4: Vegetation Communities and Land Cover Types. Photographs of the vegetation communities within the survey area are provided in Attachment C: Photographs. Multiple vegetation communities observed during the field survey are considered sensitive communities, as described in Section 6.1.2 Sensitive Natural Communities. The following subsections describe each vegetation community identified within the survey area.

6.1.0 Upland Vegetation Communities

Agricultural

Agricultural habitat refers to lands that are currently disturbed by cultivation or other agricultural activities involving crop production practices and/or improvement of livestock grazing (e.g., field crops, improved pastures). Pastures fall into the agricultural heading if cultivation practices (e.g., discing, mowing, seeding, and irrigation or supplemental feeding and/or watering) are used periodically to improve land for livestock forage and result in a general absence of fossorial species availability for raptors and other predators. Agricultural habitat also includes agricultural practices that use relatively high amounts of labor and resources on relatively small areas of land, which tend to have significant permanent buildings and installations. Examples may include dairies, nurseries, cattle feedlots, and other confined animal feeding operations. Intentional plantings of trees, shrubs, or vines maintained for food production or commercial use, including orchards and vineyards, are also considered agricultural habitat types. These plantings tend to be perennial, can be artificially irrigated and fertilized, and usually do not involve intense annual soil disturbance. Lands that are not currently in production but that are identified as agriculture and have been cultivated in three of the last five years or according to accepted cultural practices will be considered fallow agriculture, regardless of species composition. Conversely, agricultural lands that have not been cultivated in three of the last five years, or that are proposed for conversion to non-agricultural land uses (e.g., residential, commercial, industrial), will be mapped according to the actual vegetation type (e.g., non-native grassland) based on vegetative characteristics and without regard to current or historic land uses.

Table 4: Vegetation Communities and Land Cover Types

Vegetation Community or Land Cover Type	Approximate Acreage within the Survey Area
Upland Vegetation Communities	
Coastal Sage Scrub	225.18
Chaparral	168.48
Coastal Sage/Chaparral Mix	43.35
Landscaped/Ornamental	29.46
Disturbed	41.99
Buckwheat Scrub	5.65
Agriculture	1.74
Open Oak Woodland	1.70
Open Engelmann Oak Woodland	1.10
Non-Native Grassland	14.64
Subtotal	***533.31***
Riparian Vegetation Communities	
Coast Live Oak Riparian Forest	7.97
Riparian Woodland	5.06
Non-Vegetated	4.59
Riparian Forest	2.69
Subtotal	***20.31***
Land Cover Types	
Developed	74.30
Bare Ground	26.41
Concrete-Lined Channel	<0.01
Subtotal	***100.71***
Total	**654.33**

Note: The summed values may not be equal to the total due to rounding.

Within the survey area, this vegetation community is limited to a small area along the proposed western underground alignment where a series of horse stables are located along La Cresta Road near the unincorporated community of Crest. This agricultural habitat consists of large trees (e.g., eucalyptus [*Eucalyptus* spp.,]) that have been intentionally planted amongst the stables.

Buckwheat Scrub

Buckwheat scrub is a nearly homogenous community usually resulting from disturbance and transitioning to coastal sage scrub or chaparral. This community is often found in disturbed areas in the coastal and foothill areas of San Diego County and often intergrades with coastal sage scrub (Oberbauer et al. 2008).

Within the survey area, this vegetation community is dominated by California buckwheat (*Eriogonum fasciculatum*), sometimes with sparsely scattered deerweed (*Acmispon glaber*), and is found within rock outcrops in the eastern portion of the survey area and within transitional zones between vegetation communities throughout the survey area. Habitat quality is moderate to high within this vegetation community as the small patches that do exist are generally not accessible by the public and are surrounded by other intact, high-quality habitats.

Chaparral

Chaparral is a broadly defined vegetation community that is comprised of tall (i.e., three to 13 feet high) shrubs that are densely interwoven and sometimes impenetrable, with little herbaceous understory. The herbaceous cover would increase following a fire, but as shrubs respond by stump-sprouting, the herbaceous cover would decrease over time. Chaparral includes stands that are dominated by chamise (*Adenostoma fasciculatum*), scrub oak (*Quercus berberidifolia*), or a mixture of broad-leaved sclerophyll shrubs (often *Ceanothus* spp.). Coastal sage scrub species may occur in patches or as a mosaic within chaparral, but typical coastal sage scrub species are not dominant. Considerable leaf litter may be found in stands where broad-leaved sclerophyll shrubs are more abundant. This vegetation community is often found on dry, rocky, steep slopes with little soil and moderate temperatures. Slopes where this vegetation community is found are typically north-facing (Oberbauer et al. 2008).

Characteristic species include chamise, big berry manzanita (*Arctostaphylos glauca*), buck brush (*Ceanothus cuneatus*), mountain mahogany (*Cercocarpus betuloides*), bush poppy (*Dendromecon rigida*), California buckwheat, yerba santa (*Eriodictyon califomicum*), deerweed, hollyleaf cherry (*Prunus ilicifolia*), coastal sage scrub oak (*Quercus* d*umosa*), sugar bush (*Rhus ovata*), laurel sumac (*Malosma laurina*), white sage (*Salvia apiana*), black sage (*Salvia mellifera*), ashy spike moss (*Selaginella cinerascens*), Mojave yucca (*Yucca schidigera*), chaparral yucca (*Hesperoyucca whipplei*), Eastwood manzanita (*Arctostaphylos glandulosa*), white fairy-lantern (*Calochortus albus*), woolly leaf ceanothus (*Ceanothus tomentosus*), smooth mountain mahogany (*Cercocarpus minutiflorus*), toyon (*Heteromeles arbutifolia*), southern honeysuckle (*Lonicera subspicata*), spiny redberry (*Rhamnus crocea*), white flowering currant (*Ribes indecorum*), mission manzanita (*Xylcoccus bicolor*), desert ceanothus (*Ceanothus greggii*), chaparral whitethorn (*Ceanothus leucodermis*), California ash (*Fraxinus dipetala*), flannel bush (*Fremontia californica*), Montana chaparral pea (*Pickeringia montana*), interior live oak (*Quercus wislizenii*), skunkbush (*Rhus trilobata*), and poison oak (*Toxicodendron diversilobum*) (Oberbauer et al. 2008).

Within the survey area, this vegetation community is typically dominated by chamise, woolly leaf ceanothus, or mission manzanita. As elevation increases, this vegetation community becomes more prevalent in the eastern portion of the survey area. This vegetation community is also more prevalent on north-facing slopes or around drainages that are sheltered from high temperatures thereby retaining more moisture. Mountain mahogany and scrub oak form dense, nearly impenetrable thickets along some ephemeral drainages within the survey area. Near the existing Suncrest Substation in the easternmost portion of the survey area, mission manzanita is no longer present and has been replaced by big berry manzanita. Other species commonly observed within the survey area in this vegetation community include flannel bush, poison oak, sugar bush, Mojave yucca, chaparral yucca, chaparral whitethorn, chaparral beardtongue (*Keckiella antirrhinoides*), and cup-leaved ceanothus (*Ceanothus perplexans*).

Overall, habitat quality is moderate to high within this vegetation community. A majority of this vegetation community is located within Sweetwater Authority- and CNF-managed lands where there is limited public access due to less urban development and a lack of roads.

Coastal Sage/Chaparral Mix

Coastal sage/chaparral mix is composed of a mix of sclerophyllous, woody chaparral species and drought-deciduous, malacophyllous coastal sage scrub species. Chamise and California sagebrush (*Artemisia californica*) are dominant and equal in cover. Generally, laurel sumac, *Salvia* spp., and lemonade berry (*Rhus integrifolia*) are more common in coastal sage scrub, while *Ceanothus* spp. and mission manzanita are more common in chaparral (Oberbauer et al. 2008). In some areas, this is a post-fire successional community. This vegetation cover type is a catch-all that is intermediate between coastal sage scrub and chaparral. Characteristic species include chamise, California sagebrush, *Ceanothus* spp., black sage, and poison oak.

Within the survey area, this vegetation community is typically co-dominated by both chamise and California sagebrush and can be found throughout the survey area in sites where coastal sage scrub and chaparral are transitioning, likely due to factors including aspect and elevation. Species typical of coastal sage scrub and chaparral are co-dominant (i.e., approximately 50 percent cover) in this vegetation community. Other species commonly observed within the survey area in this vegetation community include California buckwheat, chaparral beardtongue, deerweed, laurel sumac, mission manzanita, Mojave yucca, scrub oak, and sugar bush.

Overall, habitat quality is moderate to high within this vegetation community. In the western portion of the survey area, this habitat is more fragmented, with some low-quality patches of habitat. However, farther east (particularly within Sweetwater Authority- and CNF-managed lands), habitat quality is moderate to high due to the lack of public access, minimal road networks, and less urban development.

Coastal Sage Scrub

Coastal sage scrub is composed of low (i.e., up to three feet high), soft-woody subshrubs that are most active in winter and early spring. Many taxa found in this vegetation community are facultatively drought-deciduous. This vegetation cover type is dominated by California sagebrush and California buckwheat together with laurel sumac, white sage, and black sage. Stem- and leaf-succulents, while present, are not nearly as conspicuous as in the maritime

succulent scrub vegetation community. Typically, this vegetation community is found on low moisture availability sites, including steep, xeric slopes or clay-rich soils that are slow to release stored water. This vegetation community also intergrades at higher elevations with chaparral (Oberbauer et al. 2008).

Within the survey area, this vegetation community is typically dominated by California sagebrush and California buckwheat. Munz's sage (*Salvia munzii*), desertbroom baccharis (*Baccharis sarothroides*), deerweed, laurel sumac, San Diego County viguiera (*Bahiopsis laciniata*), and white sage are also present and at times are the dominant species within stands of this vegetation community. As elevation increases, this vegetation community transitions to chaparral in the eastern portion of the survey area. This vegetation community is also more prevalent on south-facing slopes or within areas that have been previously disturbed.

Overall, habitat quality is moderate to high within this vegetation community. In the western portion of the survey area, this habitat is more fragmented, with some low-quality patches of habitat. However, farther east, particularly within Sweetwater Authority- and CNF-managed lands, habitat quality is moderate to high due to the lack of public access, minimal road networks, and less urban development.

Disturbed Habitat

Disturbed habitat refers to any land in which the vegetative cover comprises less than 10 percent of the surface area (disregarding natural rock outcrops) and where there is evidence of soil surface disturbance and compaction (i.e., grading); or, where the vegetative cover is greater than 10 percent, there is soil surface disturbance and/or compaction, and/or the presence of building foundations and/or debris (i.e., irrigation piping, fencing, old wells, abandoned farming or mining equipment). Vegetation on disturbed land (if present) would typically have a high predominance of non-native, weedy species that are indicators of surface disturbance and/or soil compaction, such as Russian thistle (*Salsola tragus*), telegraph weed (*Heterotheca grandiflora*), mustard (*Brassica* spp.), castor bean (*Ricinus communis*), tumbleweed (*Amaranthus albus*), sweet fennel (*Foeniculum vulgare*), horehound (*Marrubium vulgare*), filarees (*Erodium* spp.), and sow-thistle (*Sonchus oleraceus*). Although non-native grasses may be present on disturbed lands, they do not dominate the vegetative cover. Disturbed habitat is typically found in vacant lots, roadsides, and material storage areas (SDG&E 2023).

Within the survey area, this habitat was found primarily along paved roads, such as Japatul Road and La Cresta Road, as well as within vacant lots near the unincorporated community of Crest. Species commonly observed within the survey area in this vegetation community include brome grasses (*Bromus* spp.), filarees, Russian thistle, San Diego County viguiera, short podded mustard (*Hirschfeldia incana*), telegraph weed, and wild oats (*Avena* spp.).

Landscaped/Ornamental

Landscaped/ornamental habitat includes intentionally planted areas that are generally associated with aesthetic improvements and urban development. Landscaped/ornamental areas may include lawns; public parks; aesthetic plantings associated with sidewalks, medians, residential or commercial developments, or other city improvements (e.g., street trees); and golf courses (SDG&E 2023).

Within the survey area, this habitat is primarily found around residential homes near the unincorporated community of Crest.

Non-Native Grassland

Non-native grassland is characterized by a mixture of annual grasses and broad-leaved, herbaceous species. Non-native grass species must constitute more than 50 percent of species present to constitute non-native grassland. Annual species comprise from 50 percent to more than 90 percent of the vegetative cover, and most annuals are non-native species. Non-native grasses typically comprise at least 30 percent of the vegetation, although this number can be much higher in some years and lower in others depending on land use and climatic conditions. The presence of broad-leaved species (e.g., mustard) following winters of abnormally higher rainfall would still be classified as non-native grassland if these species make up less than 50 percent cover. Shrubs and trees may also be present but represent a minority (less than 15 percent) of the vegetative and canopy cover. Non-native grassland indicator species include brome grasses, wild oats, fescues (*Vulpia* spp.), and filarees. Non-native grassland typically supports habitat for small mammals, reptiles, and raptor foraging. Unimproved or natural grazing lands not subject to cultivation practices may still be classified as non-native grassland (SDG&E 2023). Species commonly observed within the survey area in this vegetation community include brome grasses, filarees, short podded mustard, and wild oats. Within the survey area, this vegetation community is limited to a small area northeast of Loveland Reservoir, and within and adjacent to the proposed Lyons Valley Staging/Fly Yard and the Swat Staging Yard. Overall, habitat quality is moderate to high within this vegetation community because it is surrounded by other moderate- to high-quality habitats.

Open Engelmann Oak Woodland

Open Engelmann oak woodland is an evergreen woodland dominated by Engelmann oak (*Quercus engelmannii*) with an understory of grassland species, coastal sage scrub, valley grassland, and chaparral, or combined with coast live oak (*Quercus agrifolia*) at mesic sites. This vegetation community is found on relatively moist sites on fine-textured soils of gentle slopes and valley bottoms. This vegetation community intergrades with coastal sage scrubs on drier, rockier sites, and with dense Engelmann oak woodland on more mesic sites (Oberbauer et al. 2008).

Within the survey area, this vegetation community is limited to small patches in the eastern portion of the survey area where scattered Engelmann oaks are found along a drainage and to the east of the existing Suncrest Substation. Coastal sage scrub is typically found within the understory of this vegetation community in the survey area. Species commonly observed within the survey area in this vegetation community include big berry manzanita, California buckwheat, California sagebrush, chamise, Engelmann oak, spiny redberry, and Eastwood's manzanita.

Overall, habitat quality is moderate to high within this vegetation community since it is connected to other moderate- to high-quality habitats and has been insulated from anthropogenic impacts due to the remote location within CNF managed lands. However, there are edge effects within the patches of this habitat that are located adjacent to the existing Suncrest Substation.

Open Oak Woodland

Open oak woodland is dominated by coast live oak. The shrub layer is poorly developed, but may include toyon, currant (*Ribes* spp.), laurel sumac, or elderberry (*Sambucus mexicana*). The herb component is continuous and dominated by bromes and several other introduced taxa. Typically, this habitat occurs on north-facing slopes, shaded ravines in the south, and more exposed sites in the north. This vegetation community intergrades with coastal sage scrub on drier sites and with coast live oak forest or mixed oak/coniferous forest on moister sites.

Within the survey area, this habitat is limited to small patches near the existing Suncrest Substation, and along La Cresta Road and Al Bahr Drive. Near the existing Suncrest Substation coast live oak is dominant in the overstory and chaparral whitethorn is dominant in the shrub layer of this vegetation community. Along La Cresta Road and Al Bahr Drive, coast live oak is dominant and the shrub layer is less consistent with non-native grasses dominating the understory. Other species commonly observed within the survey area in this vegetation community include big berry manzanita, brome grasses, Eastwood's manzanita, Johnston's honeysuckle, and wild oats.

Overall habitat quality is moderate to high within this vegetation community; however, there are edge effects because this habitat within the survey area borders existing developed and disturbed areas.

6.1.1 Riparian and Wetland Vegetation Communities

Coast Live Oak Riparian Forest

Coast live oak riparian forest typically features a dense stand of trees dominated by evergreen sclerophyllous trees (e.g., coast live oak) with a closed or nearly closed canopy. This vegetation community appears to be richer in herbs and poorer in understory shrubs than other riparian communities. This vegetation cover type has a homogenous mixture of open oak woodland and riparian woodland, especially if the riparian elements are not substantial or are discontinuous. This vegetation community is often found in bottomlands and outer floodplains along larger streams on fine-grained, rich alluvium. Characteristic species include California mugwort (*Artemisia douglasiana*), California toothwort (*Cardamine californica*), common eucrypta (*Eucrypta chrysanthemifolia*), toyon, heartleaf keckiella (*Keckiella cordifolla*), pink honeysuckle (*Lonicera hispidula*), wild cucumber (*Marah macrocarpa*), fiesta flower (*Pholistoma auritum*), coast live oak, skunkbush, wild rose (*Rosa californica*), Pacific blackberry (*Rubus ursinus*), elderberry, creeping snowberry (*Symphoricarpos mollis*), and poison oak (Oberbauer et al. 2008).

Within the survey area, this vegetation community is found along streams and creeks where coast live oak is dominant in the canopy, but western sycamore (*Platanus racemosa*) or black willow (*Salix gooddingii*) may be present at low densities. Within the understory, poison oak is dominant.

Overall, habitat quality is moderate to high within this vegetation community. While some low-quality habitat exists in the western portion of the survey area, the highest-quality habitat is located within Sweetwater Authority- and CNF-managed lands. Anthropogenic impacts are limited in these areas due to the remote location and limited public access.

Non-Vegetated

Non-vegetated habitat consists of the sandy, gravelly, or rocky fringe of waterways or flood channels. These areas are unvegetated on a relatively permanent basis. Variable water lines inhibit the growth of vegetation, although some weedy species of grasses may grow along the outer edges of the wash. Vegetation may exist here, but it is usually less than 10 percent of the total cover.

Within the survey area, this habitat is limited to the banks of Sweetwater River, where fluctuating water levels have prevented the growth of vegetation, resulting in barren areas between the existing upland and riparian habitats.

Riparian Forest

Riparian forest is a dense stand of riparian trees (e.g. western sycamore, cottonwood [*Populus* spp.]) that cannot be differentiated to a more specific vegetation community, such as coast live oak riparian forest. This vegetation community is found along streams and rivers (Oberbauer et al. 2008).

Within the survey area, riparian forest is found where Taylor Creek meets Loveland Reservoir. Within this area, black willow is dominant with mulefat (*Baccharis salicifolia*) and elderberry present in the understory at low densities.

Overall, habitat quality is moderate to high within this vegetation community. While some low-quality habitat exists in the western portion of the survey area, the highest-quality habitat is located within Sweetwater Authority- and CNF-managed lands. Anthropogenic impacts are limited in these areas due to the remote location and limited public access.

Riparian Woodland

Riparian woodland is a moderate-density riparian woodland dominated by small trees or shrubs, with scattered taller riparian trees. These stands seldom form closed canopy forests and even may appear as trees scattered in a shrubby thicket of sclerophyllous and deciduous species. This vegetation community is often found in rocky streambeds subject to seasonally high-intensity flooding where flood scour occurs. Characteristic species include willows (*Salix* spp.), California mugwort, California spikenard (*Aralia californica*), scouringrush horsetail (*Equisetum hyemale*), smilo grass (*Stipa miliacea*), coast live oak, Pacific blackberry, elderberry, poison oak, California laurel (*Umbellularia californica*), mulefat, cottonwoods, and stinging nettle (*Urtica dioica*) (Oberbauer et al. 2008).

Within the survey area, riparian woodlands are found along streams and creeks that tend to flow more intermittently or are located within narrow canyons or rocky areas. The total cover by the tree canopy is substantially lower than what would be found within riparian forest. Western sycamore and black willow are the dominant tree species. Poison oak, elderberry, mulefat, and skunkbush are dominant in the understory.

Overall, habitat quality is moderate to high within this vegetation community. While some low-quality habitat exists in the western portion of the survey area, the highest-quality habitat is

located within Sweetwater Authority- and CNF-managed lands. Anthropogenic impacts are limited in these areas due to the remote location and limited public access.

6.1.2 Sensitive Natural Communities

Multiple sensitive natural vegetation communities and habitats are located within the survey area. Generally, these communities and habitats are associated with riparian corridors and streams along Taylor Creek, Sweetwater River, Forester Creek, and their tributaries. Riparian forest, riparian woodland, and coast live oak riparian forest associated with these features provide habitat for several locally unique and rare species, including delicate clarkia (*Clarkia delicata*), least Bell's vireo (*Vireo bellii pusillus*), and arroyo toad (*Anaxyrus californicus*). Upland habitat, including coastal sage scrub and coastal sage/chaparral mix, area also provides habitat for unique species including coastal California gnatcatcher (*Polioptila californica californica*), Hermes cooper butterfly (*Lycaena hermes*), and San Diego County viguiera.

Additionally, vegetation communities identified as sensitive by the CDFW are located within the survey area within both upland and riparian vegetation communities. In general, chaparral and coastal sage scrub vegetation communities are not designated as sensitive; however, some associations of the alliances observed within the survey area are considered sensitive by the CDFW (CDFW 2025b). Riparian vegetation communities are typically considered sensitive due to the regional losses of these habitats and the number of species supported by these habitats. Observed CDFW sensitive natural communities include the following alliances and associations:

- *Ceanothus* (*oliganthus*, *tomentosus*) Shrubland Alliance – Hairy leaf – woolly leaf ceanothus chaparral (S3);
- *Xylococcus bicolor* Shrubland Alliance – Mission manzanita chaparral (S3);
- *Platanus racemosa – Quercus agrifolia* Woodland Alliance – California sycamore – coast live oak riparian woodlands (S3);
- *Quercus engelmannii* Forest & Woodland Alliance – Engelmann oak woodland and forest (S3);
- *Salix gooddingii – Salix laevigata* Forest & Woodland Alliance – Goodding's willow – red willow riparian woodland and forest (S3);
- *Adenostoma fasciculatum – Salvia* spp. Shrubland Alliance - Chamise – Sage chaparral (S4), including:
  - *Adenostoma fasciculatum – Salvia apiana* (S3); and
- *Artemisia californica* – (*Salvia leucophylla*) Shrubland Alliance – California sagebrush – (purple sage) scrub (S5), including:
  - *Artemisia californica – Eriogonum fasciculatum – Viguiera laciniata* (Y).[5]

These sensitive natural communities are located within the more broadly mapped HCP Amendment's classifications of chaparral, coastal sage scrub, coastal sage/chaparral mix, riparian forest, riparian woodland, and open Engelmann oak woodland. Coast live oak riparian

[5] This association is unranked but is considered sensitive by the CDFW.

forest is also considered sensitive since it provides habitat for locally unique biotic species. However, the coast live oak riparian forest observed within the survey area does not align with a sensitive natural community identified by the CDFW under the Manual of California Vegetation classification. As depicted in Attachment A: Biological Resources Map, the entirety of these vegetation communities are considered sensitive natural communities for the purposes of this report.

6.1.3 Land Cover Types

Bare Ground

Bare ground land cover includes areas of native or imported soils that are unvegetated and consist of mostly exposed ground. These areas may include graded lands or land with other significant topsoil disturbance; naturally occurring bare areas; lands lacking biological value; lands subject to repeated and/or regular clearing for fuel management or O&M purposes (including unpaved access roads); maintained work areas, staging yards, equipment, and other construction-related activities; off-highway vehicles or hiking trails; and sites from old homes or other structures (SDG&E 2023). Within the survey area, this land cover primarily includes unpaved roads used to access residential homes and existing electrical infrastructure.

Concrete-Lined Channel

Concrete-lined channel land cover refers to a permanent drainage feature that has been constructed with concrete material. Within the survey area, this land cover exists adjacent to a private driveway near the proposed western underground alignment. The drainage feature directs surface run-off into an aquatic feature.

Developed

Developed land cover refers to areas that have been permanently altered for human use and activities. Developed land may include paved parking lots, residential homes, commercial development and infrastructure, and paved roads (SDG&E 2023). Within the survey area, this land cover primarily includes paved roads, residential homes, and the existing Suncrest Substation.

6.2 AQUATIC RESOURCES

As summarized in Section 5.3.2 Aquatic Resources Delineation, USACE- and RWQCB-jurisdictional areas were mapped within the survey area, pursuant to Sections 404 and 401 of the CWA, respectively. CDFW-jurisdictional features were also mapped within the survey area, pursuant to FGC Section 1600. Potentially jurisdictional aquatic resources within the survey area are detailed in Table 5: Summary of Potentially Jurisdictional Aquatic Features within the Survey Area and Table 6: Potentially Jurisdictional Aquatic Features within the Survey Area. Potentially jurisdictional aquatic resources within the survey area are depicted in Attachment A: Biological Resources Map.

Ephemeral features are the predominant feature within the survey area. In the western portion of the survey area, these features generally flow south and drain into Forester Creek, a tributary to the San Diego River. Forester Creek crosses the survey area in two locations, but it mostly meanders to the south of the survey area, where it flows west. In the western portion of the

proposed overhead alignment, ephemeral features generally flow east and west, draining into a perennial stream within Harbison Canyon, which is a tributary to Sweetwater River. To the east of Harbison Canyon, ephemeral and intermittent features flow south toward the North Fork Sweetwater River, which flows to the southeast before its confluence with Sweetwater River.

Table 5: Summary of Potentially Jurisdictional Aquatic Features within the Survey Area

Feature Type	Linear Feet	Approximate Jurisdictional Area (acres)[6]		
		USACE	RWQCB – Porter-Cologne	CDFW
Ephemeral Non-Wetland Waters	29,916	Not applicable (N/A)	1.60	2.66
Intermittent Non-Wetland Waters	4,022	0.56	0.47	1.16
Perennial Non-Wetland Waters	793	0.58	0.58	0.60
Wetlands	N/A	7.17	7.17	7.17
Total	**34,731**	**7.78**	**9.91**	**11.59**

Within the central portion of the proposed overhead alignment, Sweetwater River and Taylor Creek cross the survey area and flow south and southeast, respectively, before entering Loveland Reservoir. Potential wetlands are located adjacent to both Sweetwater River and Taylor Creek; however, seasonal fluctuations in the water levels of the reservoir likely influence the formation and persistence of these features. Farther east of Taylor Creek, ephemeral features generally flow south and southeast. Just east of Japatul Road, Taylor Creek crosses the survey again, flowing north. Additional information regarding aquatic resources within the survey area is provided in Aquatic Resources Delineation Report (Insignia 2026a).

Between this upstream crossing of Taylor Creek and the existing Suncrest Substation, ephemeral, intermittent, and perennial features generally flow east and eventually flow into Taylor Creek outside the survey area.

A total of 38 NWI features exist within portions of the survey area that were not accessed on foot. These features are hydrologically similar to other features within the survey area and include mostly ephemeral features. In particular, one reach of Taylor Creek is located within one of the areas that was not accessed on foot. Taylor Creek was determined to be an intermittent stream in the reach that was surveyed. However, flow regimes were not definitively determined as field indicators could not be directly observed. Similarly, these features were not assigned unique identifiers and are not included in calculations of jurisdictional area. Additional information regarding aquatic resources is available in the Aquatic Resources Delineation Report prepared by Insignia in March 2026.

[6] The area within the OHWM was used to measure the area of non-wetland waters under the jurisdiction of the USACE and RWQCB. The distance between tops of banks (TOBs) was used to measure the area of non-wetland waters under the jurisdiction of the CDFW.

Table 6: Potentially Jurisdictional Aquatic Features within the Survey Area

Feature ID	Hydrological Regime	Nearest Proposed Project Component	Length of Non-Wetland Water in Survey Area (feet)	Average OHWM Width (feet)	Average OHWM Depth (feet)	USACE-Jurisdictional Area (acres)	RWQCB-Jurisdictional Area (acres)	Average TOB Width (feet)	Average TOB Depth (feet)	CDFW-Jurisdictional Area (acres)	Feature Description	Vegetation Community or Land Cover Type within Feature
JD-001	Intermittent	Proposed Western Underground (UG) Segment	295	6.00	2.67	0.04	0.04	10.67	4.00	0.07	Forester Creek	Coast Live Oak Riparian Forest and Coastal Sage Scrub
JD-002	Intermittent	Proposed Western UG Segment	52	2.50	1.00	<0.01	<0.01	4.00	2.00	<0.01	Forester Creek	Landscaped/Ornamental
JD-003	Intermittent	Proposed Western UG Segment	258	4.00	1.00	0.02	0.02	6.00	2.00	0.04	Forester Creek	Bare Ground, Coast Live Oak Riparian Forest, Developed, and Landscaped/Ornamental
JD-004	Intermittent	Proposed Western UG Segment	117	4.00	1.00	0.01	0.01	6.00	1.50	0.02	Forester Creek	Coast Live Oak Riparian Forest
JD-005	Ephemeral	Proposed Western UG Segment	201	1.67	0.75	N/A	0.02	3.50	1.50	0.02	Unnamed tributary to Forester Creek	Coastal Sage Scrub
JD-006	Ephemeral	Proposed Western UG Segment	99	1.00	0.50	N/A	0.02	8.67	4.00	0.02	Unnamed tributary to Forester Creek	Coastal Sage Scrub and Developed
JD-007	Ephemeral	Proposed Western UG Segment	187	4.00	1.00	N/A	0.03	7.00	2.00	0.03	Unnamed tributary to Forester Creek	Coastal Sage Scrub
JD-008	Ephemeral	Proposed Western UG Segment	262	1.75	1.00	N/A	0.02	2.75	1.38	0.02	Unnamed tributary to Forester Creek	Coastal Sage Scrub and Disturbed
JD-009	Ephemeral	Proposed Western UG Segment	49	3.00	1.50	N/A	<0.01	4.00	2.00	<0.01	Unnamed tributary to Forester Creek	Coast Live Oak Riparian Forest and Landscaped/Ornamental
JD-010	Ephemeral	Proposed Western UG Segment	168	1.00	1.00	N/A	0.01	2.00	2.50	0.01	Unnamed tributary to Forester Creek	Landscaped/Ornamental
JD-011	Ephemeral	Proposed Western UG Segment	151	1.00	1.00	N/A	0.01	2.00	2.50	0.01	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Disturbed and Open Oak Woodland
JD-012	Ephemeral	Proposed Western UG Segment	363	1.50	0.50	N/A	0.02	2.50	1.50	0.02	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Coastal Sage/Chaparral Mix
JD-013	Ephemeral	Proposed Western UG Segment	139	1.50	0.50	N/A	0.01	2.50	1.25	0.01	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Coastal Sage/Chaparral Mix, Disturbed, and Landscaped/Ornamental
JD-014	Ephemeral	Proposed Western UG Segment	212	1.50	0.38	N/A	0.01	2.50	0.63	0.01	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Chaparral and Landscaped/Ornamental

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JD-015	Ephemeral	Proposed Western UG Segment	186	2.00	0.75	N/A	0.01	3.00	1.00	0.01	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Chaparral
JD-016	Ephemeral	Pole 2-B	227	3.33	3.00	N/A	0.02	4.67	4.00	0.02	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Coastal Sage/Chaparral Mix
JD-017	Ephemeral	Pole 2-A	293	1.50	1.00	N/A	0.02	2.50	1.50	0.02	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Coastal Sage Scrub
JD-018	Ephemeral	Pole 3	408	0.50	0.50	N/A	0.01	1.00	1.00	0.01	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Coastal Sage Scrub
JD-019	Ephemeral	Pole 3	190	0.50	0.25	N/A	<0.01	0.75	1.00	<0.01	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Coastal Sage Scrub
JD-020	Perennial	Pole 4	380	7.00	1.00	0.06	0.06	9.67	3.00	0.08	Unnamed perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Coast Live Oak Riparian Forest
JD-021	Ephemeral	Pole 4	103	0.28	1.00	N/A	<0.01	0.50	1.50	<0.01	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Coastal Sage Scrub
JD-022	Ephemeral	Pole 4	131	1.00	0.50	N/A	0.01	1.75	0.75	0.01	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Chaparral and Coastal Sage Scrub
JD-023	Ephemeral	Pole 5	70	1.00	0.25	N/A	<0.01	1.50	0.50	<0.01	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Chaparral
JD-024	Ephemeral	Pole 5	364	1.25	0.63	N/A	0.02	2.50	1.00	0.02	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Bare Ground, Chaparral, and Coastal Sage Scrub
JD-025	Ephemeral	Pole 5	232	1.13	0.38	N/A	0.01	2.50	0.50	0.01	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Bare Ground and Chaparral
JD-026	Ephemeral	Pole 5	427	3.00	1.00	N/A	0.04	4.33	2.00	0.04	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Bare Ground and Coastal Sage Scrub
JD-027	Ephemeral	Pole 5	365	1.00	1.00	N/A	0.01	1.50	1.50	0.01	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Chaparral

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JD-028	Ephemeral	Pole 6	265	1.50	0.50	N/A	0.02	2.50	0.50	0.02	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Chaparral
JD-029	Ephemeral	Pole 6	148	1.00	1.00	N/A	0.01	2.00	1.00	0.01	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Chaparral
JD-030	Ephemeral	Pole 6	149	1.00	1.00	N/A	0.01	2.50	3.00	0.01	Unnamed tributary to a perennial stream within Harbison Canyon; flow path continues into Sweetwater River	Chaparral
JD-031	Ephemeral	Pole 6	329	1.00	0.63	N/A	0.01	1.75	1.50	0.01	Unnamed tributary to North Fork Sweetwater River	Coastal Sage Scrub
JD-032	Ephemeral	Pole 8	318	1.50	0.50	N/A	0.01	1.75	2.00	0.01	Unnamed tributary to North Fork Sweetwater River	Coastal Sage Scrub
JD-033	Ephemeral	Pole 8	350	2.00	1.00	N/A	0.03	4.00	1.50	0.03	Unnamed tributary to North Fork Sweetwater River	Coastal Sage Scrub
JD-034	Ephemeral	Pole 9	311	2.33	0.75	N/A	0.03	4.33	1.67	0.03	Unnamed tributary to North Fork Sweetwater River	Coastal Sage Scrub
JD-035	Intermittent	Pole 9	346	5.00	2.00	0.04	0.04	8.00	3.00	0.06	Unnamed tributary to North Fork Sweetwater River	Coastal Sage Scrub
JD-036	Ephemeral	Pole 14	342	2.33	0.75	N/A	0.03	4.00	3.00	0.03	Unnamed tributary to North Fork Sweetwater River	Coastal Sage Scrub
JD-037	Ephemeral	Pole 15	322	3.50	0.75	N/A	0.04	5.00	1.25	0.04	Unnamed tributary to North Fork Sweetwater River	Coastal Sage Scrub
JD-038	Ephemeral	Pole 16	473	1.00	1.00	N/A	0.07	6.00	3.00	0.07	Unnamed tributary to North Fork Sweetwater River	Coastal Sage Scrub and Coastal Sage/Chaparral Mix
JD-039	Intermittent	Pole 18	328	2.00	1.17	0.02	0.02	6.00	2.00	0.05	Unnamed tributary to North Fork Sweetwater River	Riparian Woodland
JD-040	Intermittent	Pole 18	29	10.00	0.25	0.01	0.01	12.00	0.25	0.01	Unnamed tributary to North Fork Sweetwater River	Riparian Woodland
JD-041	Intermittent	Pole 18	192	1.00	1.00	<0.01	<0.01	1.00	1.00	<0.01	Unnamed tributary to North Fork Sweetwater River	Coastal Sage Scrub and Riparian Woodland
JD-042	Ephemeral	Pole 19	353	2.50	1.50	N/A	0.02	3.00	2.50	0.02	Unnamed tributary to North Fork Sweetwater River	Coastal Sage/Chaparral Mix
JD-043	Ephemeral	Pole 19	301	2.00	0.75	N/A	0.03	4.00	3.67	0.03	Unnamed tributary to North Fork Sweetwater River	Coastal Sage/Chaparral Mix
JD-044	Ephemeral	Pole 20	8	3.00	0.50	N/A	<0.01	4.00	1.00	<0.01	Unnamed tributary to North Fork Sweetwater River	Coastal Sage Scrub

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JD-045	Intermittent	Pole 20	119	3.00	1.00	0.01	0.01	6.00	2.00	0.02	Unnamed tributary to North Fork Sweetwater River	Coast Live Oak Riparian Forest and Coastal Sage Scrub
JD-046	Ephemeral	Pole 21	67	2.00	0.25	N/A	<0.01	3.00	0.50	<0.01	Unnamed tributary to North Fork Sweetwater River	Coastal Sage Scrub and Coastal Sage/Chaparral Mix
JD-047	Ephemeral	Pole 21	373	2.75	1.75	N/A	0.04	4.50	2.50	0.04	Unnamed tributary to North Fork Sweetwater River	Coastal Sage Scrub and Coastal Sage/Chaparral Mix
JD-048	Ephemeral	Pole 21	348	1.50	0.50	N/A	0.03	3.50	0.88	0.03	Unnamed tributary to North Fork Sweetwater River	Chaparral and Coastal Sage/Chaparral Mix
JD-049	Ephemeral	Pole 21	376	2.00	1.00	N/A	0.04	4.33	4.50	0.04	Unnamed tributary to North Fork Sweetwater River	Chaparral and Coastal Sage/Chaparral Mix
JD-050	Ephemeral	Pole 22	536	1.00	1.00	N/A	0.02	2.00	1.50	0.02	Unnamed tributary to North Fork Sweetwater River	Chaparral
JD-051	Ephemeral	Pole 23	497	2.00	0.58	N/A	0.09	8.00	4.67	0.09	Unnamed tributary to Loveland Reservoir	Chaparral
JD-052	Intermittent	Pole 23	403	6.00	1.50	N/A	0.07	8.00	6.33	0.07	Unnamed tributary to Loveland Reservoir	Riparian Woodland
JD-053	Ephemeral	Pole 24	68	1.00	0.25	N/A	<0.01	3.00	2.00	<0.01	Unnamed tributary to Loveland Reservoir	Coastal Sage/Chaparral Mix
JD-054	Ephemeral	Pole 24	296	2.00	0.50	N/A	0.02	3.00	2.00	0.02	Unnamed tributary to Loveland Reservoir	Chaparral and Coastal Sage/Chaparral Mix
JD-055	Intermittent	Pole 24	408	3.50	0.38	N/A	0.07	8.00	4.00	0.07	Unnamed tributary to Loveland Reservoir	Coast Live Oak Riparian Forest
JD-056	Ephemeral	Pole 25	314	1.50	0.25	N/A	0.03	4.50	2.00	0.03	Unnamed tributary to Loveland Reservoir	Chaparral and Coastal Sage Scrub
JD-057	Ephemeral	Pole 26	195	5.00	0.38	N/A	0.04	8.00	3.33	0.04	Unnamed tributary to Loveland Reservoir	Chaparral and Coastal Sage Scrub
JD-058	Ephemeral	Pole 26	104	1.00	0.25	N/A	0.01	4.50	0.75	0.01	Unnamed tributary to Loveland Reservoir	Bare Ground and Chaparral
JD-059	Ephemeral	Pole 27	106	1.00	0.25	N/A	0.01	4.50	1.50	0.01	Unnamed tributary to Loveland Reservoir	Chaparral
JD-061[7]	Perennial	Pole 28	413	50.00	12.50	0.52	0.52	50.00	12.50	0.52	Sweetwater River	Riparian Woodland
JD-063	Ephemeral	Pole 29	307	3.00	1.00	N/A	0.04	5.00	2.00	0.04	Unnamed tributary to Loveland Reservoir	Bare Ground, Buckwheat Scrub, and Coastal Sage Scrub

[7] JD-062 was mapped as the TOB line for Sweetwater River (JD-061) and was used to calculate the jurisdictional area, but it is not a discrete feature. Therefore, it is not included in the results table.

Feature ID	Hydrological Regime	Nearest Proposed Project Component	Length of Non-Wetland Water in Survey Area (feet)	Average OHWM Width (feet)	Average OHWM Depth (feet)	USACE-Jurisdictional Area (acres)	RWQCB-Jurisdictional Area (acres)	Average TOB Width (feet)	Average TOB Depth (feet)	CDFW-Jurisdictional Area (acres)	Feature Description	Vegetation Community or Land Cover Type within Feature
JD-064	Intermittent	Pole 31	382	20.00	1.00	0.18	0.18	50.00	10.00	0.47	Taylor Creek	Coast Live Oak Riparian Forest, Developed, and Riparian Forest
JD-065	Ephemeral	Pole 32	792	2.00	1.00	N/A	0.06	3.50	2.00	0.06	Unnamed tributary to Taylor Creek	Buckwheat Scrub, Chaparral, and Coast Live Oak Riparian Forest
JD-066	Ephemeral	Pole 33	255	3.00	1.00	N/A	0.02	4.00	2.00	0.02	Unnamed tributary to Taylor Creek	Coastal Sage Scrub, Developed, and Disturbed
JD-067	Ephemeral	Pole 33	57	1.00	1.00	N/A	<0.01	2.00	1.00	<0.01	Unnamed concrete-lined brow ditch tributary to Taylor Creek	Bare Ground and Chaparral
JD-068	Ephemeral	Pole 33	58	3.00	0.50	N/A	0.01	4.00	1.00	0.01	Unnamed tributary to Taylor Creek	Coastal Sage Scrub, Developed, and Disturbed
JD-069	Ephemeral	Pole 33	73	3.00	1.00	N/A	0.01	4.00	3.00	0.01	Unnamed tributary to Taylor Creek	Chaparral, Developed, and Disturbed
JD-070	Ephemeral	Pole 33	159	2.00	0.50	N/A	0.01	2.50	1.00	0.01	Unnamed tributary to Loveland Reservoir	Chaparral
JD-071	Ephemeral	Pole 36	231	2.25	0.38	N/A	0.01	2.50	0.75	0.01	Unnamed tributary to Loveland Reservoir	Chaparral
JD-072	Ephemeral	Pole 36	675	3.33	1.17	N/A	0.09	6.00	3.00	0.09	Unnamed tributary to Loveland Reservoir	Chaparral
JD-073	Ephemeral	Pole 37	53	1.50	0.50	N/A	<0.01	3.33	1.50	<0.01	Unnamed tributary to Loveland Reservoir	Chaparral
JD-074	Ephemeral	Pole 36	507	2.00	0.50	N/A	0.03	3.00	1.00	0.03	Unnamed tributary to Loveland Reservoir	Chaparral
JD-075	Ephemeral	Pole 36	231	2.00	1.00	N/A	0.02	4.00	3.33	0.02	Unnamed tributary to Loveland Reservoir	Coastal Sage Scrub
JD-076	Ephemeral	Pole 37	257	5.67	0.75	N/A	0.06	10.67	2.00	0.06	Unnamed tributary to Loveland Reservoir	Chaparral and Disturbed
JD-077	Ephemeral	Pole 40	95	1.50	0.75	N/A	0.01	2.50	2.50	0.01	Unnamed tributary to Loveland Reservoir	Chaparral
JD-078	Ephemeral	Pole 41	43	1.67	1.33	N/A	<0.01	3.33	1.67	<0.01	Unnamed tributary to Loveland Reservoir	Chaparral
JD-079	Ephemeral	Pole 42	183	3.33	0.88	N/A	0.02	5.00	2.50	0.02	Unnamed tributary to Taylor Creek	Chaparral
JD-080	Ephemeral	Pole 42	41	1.67	0.83	N/A	<0.01	3.33	1.67	<0.01	Unnamed tributary to Taylor Creek	Chaparral
JD-081	Ephemeral	Pole 42	364	4.00	1.33	N/A	0.06	8.00	5.00	0.06	Unnamed tributary to Taylor Creek	Chaparral and Coastal Sage/Chaparral Mix
JD-082	Ephemeral	Pole 42	551	2.50	0.38	N/A	0.05	4.00	2.00	0.05	Unnamed tributary to Taylor Creek	Chaparral and Coastal Sage/Chaparral Mix
JD-083	Ephemeral	Pole 43	371	2.00	1.00	N/A	0.03	3.50	2.00	0.03	Unnamed tributary to Taylor Creek	Chaparral
JD-084	Ephemeral	Pole 49	62	2.50	0.50	N/A	0.01	4.33	1.50	0.01	Unnamed tributary to Taylor Creek	Chaparral
JD-085	Ephemeral	Pole 49	734	2.00	0.38	N/A	0.07	4.00	2.00	0.07	Unnamed tributary to Taylor Creek	Chaparral, Coastal Sage Scrub, and Riparian Forest
JD-086	Ephemeral	Pole 52	345	3.00	1.00	N/A	0.04	5.00	2.00	0.04	Unnamed tributary to Taylor Creek	Chaparral

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JD-087	Intermittent	Pole 52	378	10.00	4.00	0.09	0.09	18.00	6.00	0.16	Unnamed tributary to Taylor Creek	Riparian Woodland
JD-088	Intermittent	Pole 54	715	3.00	1.83	0.05	0.05	7.33	2.50	0.12	Unnamed tributary to Taylor Creek	Coast Live Oak Riparian Forest and Riparian Woodland
JD-089	Ephemeral	Pole 56	452	1.00	0.50	N/A	0.04	4.33	2.00	0.04	Unnamed tributary to Taylor Creek	Coastal Sage Scrub and Open Engelmann Oak Woodland
JD-090	Ephemeral	Suncrest Substation	83	3.00	1.00	N/A	0.01	4.00	1.00	0.01	Unnamed concrete drainage channel	Developed
JD-091	Ephemeral	Suncrest Substation	129	3.00	1.00	N/A	0.01	4.00	1.00	0.01	Unnamed concrete drainage channel	Developed
JD-092	Ephemeral	Suncrest Substation	334	3.00	1.00	N/A	0.03	4.00	1.00	0.03	Unnamed concrete drainage channel	Developed
JD-093	Ephemeral	Suncrest Substation	307	3.00	1.00	N/A	0.03	4.00	1.00	0.03	Unnamed concrete drainage channel	Developed
JD-094	Ephemeral	Suncrest Substation	265	3.00	1.00	N/A	0.02	4.00	1.00	0.02	Unnamed concrete drainage channel	Developed
JD-095	Ephemeral	Suncrest Substation	255	3.00	1.00	N/A	0.02	4.00	1.00	0.02	Unnamed concrete drainage channel	Developed
JD-096	Ephemeral	Suncrest Substation	972	2.50	1.00	N/A	0.07	3.00	1.00	0.07	Unnamed concrete drainage channel	Developed
JD-097	Ephemeral	Suncrest Substation	287	2.00	1.00	N/A	0.02	3.00	1.00	0.02	Unnamed concrete drainage channel	Developed
JD-099	Ephemeral	Suncrest Substation	242	3.00	1.00	N/A	0.04	4.00	1.00	0.04	Unnamed concrete drainage channel	Developed
JD-100	Ephemeral	Suncrest Substation	383	2.00	2.00	N/A	0.01	4.00	4.00	0.01	Unnamed concrete drainage channel	Developed
JD-101	Ephemeral	Suncrest Substation	118	2.00	2.00	N/A	0.07	4.00	4.00	0.07	Unnamed concrete drainage channel	Developed
JD-102	Ephemeral	Suncrest Substation	708	2.00	2.00	N/A	0.01	4.00	4.00	0.01	Unnamed concrete drainage channel	Developed
JD-103	Ephemeral	Suncrest Substation	149	2.00	2.00	N/A	0.03	4.00	2.00	0.03	Unnamed concrete drainage channel	Developed
JD-104	Ephemeral	Suncrest Substation	5,165	3.00	2.00	N/A	0.47	4.00	2.00	0.47	Unnamed concrete drainage channel	Developed
JD-105	Ephemeral	Suncrest Substation	1,224	3.00	3.00	N/A	0.08	4.00	4.00	0.08	Unnamed concrete drainage channel	Developed
JD-106	Ephemeral	Suncrest Substation	411	3.50	2.00	N/A	0.04	4.00	2.00	0.04	Unnamed concrete drainage channel	Developed
JD-107	Ephemeral	Suncrest Substation	97	3.00	1.00	N/A	0.01	4.00	1.00	0.01	Unnamed concrete drainage channel	Developed
JD-108	Ephemeral	Suncrest Substation	115	3.00	2.00	N/A	0.01	4.00	2.00	0.01	Unnamed concrete drainage channel	Developed
W-01	Wetland	Pole 29	N/A	N/A	N/A	6.00	6.00	N/A	N/A	6.00	Potential wetlands adjacent to Sweetwater River	Non-Vegetated and Riparian Woodland
W-02	Wetland	Pole 32	N/A	N/A	N/A	1.17	1.17	N/A	N/A	1.17	Potential wetlands adjacent to Taylor Creek	Riparian Forest

6.3 SPECIAL-STATUS PLANT SPECIES

The records search generated a list of 121 special-status plant species, which were reviewed for their potential to occur within the survey area. Of those, a total of 62 species were determined to have a moderate or high potential to occur within the survey area.

During the 2025 field survey, the following eight special-status plant species were observed within the survey area:

- delicate clarkia,
- Engelmann oak,
- Munz's sage,
- Palmer's goldenbush (*Ericameria palmeri* var. *palmeri*),
- San Diego County viguiera,
- San Diego sagewort (*Artemisia palmeri*),
- Robinson's pepper-grass (*Lepidium virginicum* var. *robinsonii*), and
- rush like bristleweed (*Xanthisma junceum*).

All special-status plant species which were reviewed are detailed in Table 7: Special-Status Plant Species with the Potential to Occur. This table outlines each species' name, listing status, habitat requirements, blooming period, and a brief assessment of its potential to occur within the survey area. Potential to occur determinations were made based on the definitions provided in Section 5.1.3 Potential to Occur Evaluation. Recent and historic occurrences of special-status plant species from the records search are presented in Attachment D: Recent and Historic Special-Status Plant Records. The locations of special-status plant species observed during the first two rounds of the botanical field surveys are depicted in Attachment A: Biological Resources Map. Additional information regarding botanical resources within the survey area is provided in Botanical Resources Survey Report (Insignia 2026b).

6.3.0 Species Present in the Survey Area

Attachment E: Flora Compendium lists all plant species observed within the survey area. Of the plant species observed during the surveys, eight are designated as special-status species. Photographs of special-status plant species observed are provided in Attachment C: Photographs. The following sections describe the special-status plant species observed within the survey area.

Delicate Clarkia

Delicate clarkia observed within the survey area is closely associated with coast live oak trees found along drainages. Other associated species include winecup clarkia (*Clarkia purpurea*), Ramona clarkia (*Clarkia similis*), and wild oats. Delicate clarkia was often observed growing along the margins of the oak canopy in grassy openings or openings in coastal sage scrub habitat. A total of 640 individuals were mapped as points within the survey area. A total of 2,105 individuals were mapped within polygons covering 0.13 acre of habitat within the survey area. These polygons were mapped as 13 discrete areas as depicted in Attachment A: Biological Resources Map. The largest population of the species (i.e., approximately 750 individuals) of the species was observed along the banks of Sweetwater River. This portion of the river is affected by water levels in Loveland Reservoir, which likely increases the soil moisture levels and allows delicate clarkia to thrive on a

slope bordered by coast live oak trees to the east and chaparral to the west. This population also corresponds to a CNDDB occurrence (element occurrence index [EONDX] 108,460) (CDFW 2025a). Delicate clarkia was also observed within grassy openings in coastal sage scrub habitat near Harbison Canyon. Unlike most other individuals observed, these individuals are not closely associated with drainages. Another population observed within the survey area is located just northeast of an occurrence in the CNDDB (EONDX 108,459) (CDFW 2025a).

Engelmann Oak

Engelmann oak observed within the survey area is limited, with the highest number of individuals occurring in the eastern portion of the survey area near the existing Suncrest Substation. These individuals are located on a south-facing slope surrounded by coastal sage scrub near a drainage, and within upland habitat around the existing Suncrest Substation. A total of 51 individuals were mapped as points within the survey area. A total of six individuals were mapped within a polygon covering 0.14 acre of habitat within the survey area. This polygon and point features are depicted in Attachment A: Biological Resources Map.

Munz's Sage

Munz's sage observed within the survey area is limited to one general area near the intersection of Japatul, Tavern, and Dehesa roads within coastal sage scrub habitat. Individuals are locally abundant at this location and are the dominant shrub in some areas. Other associated species include San Diego County viguiera, California sagebrush, California buckwheat, and desertbroom baccharis. This population extends down Japatul Road for approximately 0.25 mile. This population also corresponds to a CNDDB occurrence (EONDX 100,663) (CDFW 2025a). A total of 14 individuals were mapped as points within the survey area. A total of 2,340 individuals were mapped within polygons covering 1.88 acres of habitat within the survey area. These polygons were mapped as four discrete areas but are all in close proximity in one general area as depicted in Attachment A: Biological Resources Map.

Palmer's Goldenbush

Palmer's goldenbush observed within the survey area is limited, with the highest number of individuals occurring within CNF managed lands in the eastern portion of the survey area near the existing Suncrest Substation. These individuals were observed in a pocket of coastal sage scrub bordered by coast live oak riparian forest and chaparral. Associated species include California buckwheat, chaparral whitethorn, white sage, big berry manzanita, and coast live oak. A total of 15 individuals were mapped as points within the survey area. No polygons were mapped to record this species. The points were mapped in two general areas as depicted in Attachment A: Biological Resources Map.

Robinson's Pepper-Grass

Robinson's pepper-grass observed within the survey area is found within openings in chaparral, coastal sage scrub, and coastal sage/chaparral mix and along the margins of shrubs within those habitats. A total of 336 individuals were mapped as points within the survey area. A total of 1,260 individuals were mapped within polygons covering 0.12 acre of habitat within the survey area. These polygons were mapped as five discrete areas as depicted in Attachment A: Biological Resources Map.

Table 7: Special-Status Plant Species with the Potential to Occur

Scientific Name	Common Name	Listing Status[8]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[9]	Life Form	Potential to Occur in the Survey Area
Abronia villosa var. *aurita*	Chaparral sand-verbena	1B.1, USFSS	No	This species occurs within sandy areas in chaparral, coastal sage scrub, and desert dune habitats from 245 to 5,250 feet in elevation (CNPS 2025).	(January) March to September	Annual herb	Low-quality suitable habitat consisting of buckwheat scrub, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Acanthomintha ilicifolia	San Diego thornmint	FT, SE, 1B.1	Yes	This species occurs within openings of clay soils within chaparral, coastal sage scrub, valley and foothill grassland, and vernal pool habitats from 35 to 3,150 feet in elevation (CNPS 2025).	April to June	Annual herb	Low-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. Clay soils are not mapped within the survey area; however, clay lenses may occur in small areas within the survey area. The nearest and most recent CNDDB record of this species was documented in 2021 within one mile of the survey area. The nearest and most recent SanBIOS record of this species was documented in 2001 within 3.6 miles of the survey area. **Low Potential**
Allium marvinii	Yucaipa onion	1B.2, USFSS	No	This species occurs within clay soils and openings within chaparral habitat from 2,495 to 3,495 feet in elevation (CNPS 2025).	April to May	Perennial bulbiferous herb	Low-quality suitable habitat consisting of chaparral is located within the survey area. Clay soils are not mapped within the survey area; however, clay lenses may occur in small areas within the survey area. The nearest recent CNDDB record of this species was documented in 2018 within 2.3 miles of the survey area. The nearest historic CNDDB record of this species was documented in 1994 within 3.6 miles of the survey area. **Low Potential**
Ambrosia monogyra	Singlewhorl burrobrush	2B.2	No	This species occurs within chaparral and Sonoran desert scrub habitats from 35 to 1,640 feet in elevation (CNPS 2025).	August to November	Perennial shrub	Low-quality suitable habitat consisting of chaparral is located within the survey area. One CNDDB record of this species was documented in 1970 within 4.4 miles of the survey area. **Low Potential**
Ambrosia pumila	San Diego ambrosia	1B.1, FE	Yes	This species occurs within chaparral, coastal sage scrub, valley and foothill grassland, and vernal pool habitats from 65 to 1,360 feet in elevation (CNPS 2025).	April to October	Perennial rhizomatous herb	Moderate-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. The nearest CNDDB record of this species was documented in 2009 within 1.7 miles of the survey area. The most recent CNDDB record of this species was documented in 2019 within 4.3 miles of the survey area. **Moderate Potential**
Arctostaphylos rainbowensis	Rainbow manzanita	1B.1, USFSS	No	This species occurs within chaparral habitat from 675 to 2,200 feet in elevation (CNPS 2025).	December to March	Perennial evergreen shrub	Low-quality suitable habitat consisting of chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**

[8] Explanation of federal and state listing codes:

Federal listing codes:

-FE: Federally listed as endangered
-FT: Federally listed as threatened
-USFSS: USFS Sensitive

State listing codes:

-SE: State-listed as endangered
-SR: State-listed as rare

CNPS CRPRs:

-1B: Rare, threatened, or endangered in California and elsewhere
-2B: Rare, threatened, or endangered in California, but more common elsewhere
-3: Needs review; plants about which more information is needed
-4: Uncommon in California and of limited distribution; a watch list

CRPR Threat Codes:

-0.1: Seriously threatened in California (over 80 percent of occurrences threatened, with a high degree and immediacy of threat)
-0.2: Moderately threatened in California (20 to 80 percent occurrences threatened, with a moderate degree and immediacy of threat)
-0.3: Not very threatened in California (less than 20 percent of occurrences threatened, with a low degree and immediacy of threat or no current threats known)

[9] Months included in parentheses are uncommon.

Scientific Name	Common Name	Listing Status[8]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[9]	Life Form	Potential to Occur in the Survey Area
Artemisia palmeri	San Diego sagewort	4.2	No	This species occurs within chaparral, coastal scrub, riparian forest, riparian scrub, and riparian woodland habitats from 15 to 3,000 feet in elevation (CNPS 2025).	(February) May to September	Perennial deciduous shrub	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, coastal scrub, riparian forest, coast live oak riparian forest, and riparian woodland is located within the survey area. No recent CNDDB records of this species have been documented within five miles of the survey area. The nearest historic CNDDB record of this species was documented in 1997 within less than 0.1 mile of the survey area. One SanBIOS record of this species was documented in 2012 within 0.3 mile of the survey area. The nearest Sweetwater Authority record of this species was documented in 2015 within the survey area. Additionally, this species was observed during the 2025 field survey. **Present**
Asplenium vespertinum	Western spleenwort	4.2	No	This species occurs within chaparral, cismontane woodland, and coastal scrub habitats from 590 to 3,280 feet in elevation (CNPS 2025).	February to June	Perennial rhizomatous herb	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. The nearest CNDDB record of this species was documented in 2025 within 3.4 miles of the survey area. **Moderate Potential**
Astragalus deanei	Dean's milk-vetch	1B.1, USFSS	No	This species occurs within chaparral, cismontane woodland, coastal sage scrub, and riparian forest habitats from 245 to 2,280 feet in elevation (CNPS 2025).	February to May	Perennial herb	High-quality suitable habitat consisting of woodlands, chaparral, coastal sage/chaparral mix, coastal sage scrub, riparian forest, and coast live oak riparian forest is located within the survey area. The nearest CNDDB record of this species was documented in an unknown year within 1.5 miles of the survey area. The most recent CNDDB record of this species was documented in 2016 within 2.6 miles of the survey area. **Moderate Potential**
Astragalus douglasii var. *perstrictus*	Jacumba milk-vetch	1B.2, USFSS	No	This species occurs within chaparral, cismontane woodland, pinyon and juniper woodland, riparian scrub, and valley and foothill grassland habitats from 2,955 to 4,495 feet in elevation (CNPS 2025).	April to June	Perennial herb	Low-quality suitable habitat consisting of woodlands, chaparral, and non-native grassland is located within the survey area. The elevation of the survey area is located within the typical elevation range for this species. The nearest CNDDB record of this species was documented in 1935 within 3.7 miles of the survey area. The most recent CNDDB record of this species was documented in 2010 within 4.8 miles of the survey area. **Low Potential**
Astragalus oocarpus	San Diego milk-vetch	1B.2, USFSS	No	This species occurs within chaparral and cismontane woodland habitats from 1,000 to 5,000 feet in elevation (CNPS 2025).	May to August	Perennial herb	High-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. No recent CNDDB records of this species have been documented within five miles of the survey area. The nearest historic CNDDB record of this species was documented in 1994 within 1.8 miles of the survey area. The nearest and most recent Sunrise Powerlink Project record of this species was documented in 2010 within the survey area. **High Potential**
Astragalus pachypus var. *jaegeri*	Jaeger's milk-vetch	1B.1, USFSS	No	This species occurs within chaparral, cismontane woodland, coastal scrub, and valley and foothill grassland habitats from 1,200 to 3,200 feet in elevation (CNPS 2025).	December to June	Perennial shrub	Low-quality suitable habitat consisting of woodlands, non-native grassland, chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Atriplex parishii	Parish's bristlescale	1B.1, USFSS	No	This species occurs within alkaline soils in chenopod scrub, playas, and vernal pool habitats from 80 to 6,235 feet in elevation (CNPS 2025).	June to October	Annual herb	No suitable habitat is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**

Scientific Name	Common Name	Listing Status[8]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[9]	Life Form	Potential to Occur in the Survey Area
Baccharis vanessae	Encinitas baccharis	1B.1, FT, SE	Yes	This species occurs within maritime chaparral and cismontane woodland habitats from 195 to 2,360 feet in elevation (CNPS 2025). Previously, this species was thought to be restricted to sandstone soils in maritime chaparral, but it has since been observed in a wide variety of chaparral habitats. This species has been observed to occur on the following soil types: Cieneba series, Corralitos loamy sand alluvial Huerhuero, San Miguel Exchequer, granitic, andesite rock outcrops, and soils derived from acid igneous rock (USFWS 2011).	August to November	Perennial deciduous shrub	Moderate-quality suitable habitat for this species consisting of chaparral habitat within Cieneba series soils is located within the survey area. One CNDDB record of this species was documented in 2017 within 1.6 miles of the survey area. **Moderate Potential**
Bahiopsis laciniata	San Diego County viguiera	4.3	No	This species occurs within chaparral and coastal scrub habitat from 195 to 2,460 feet in elevation (CNPS 2025).	February to June (August)	Perennial shrub	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. The nearest and most recent SanBIOS record of this species was documented in 2012 within 0.2 mile of the survey area. The nearest CNF ESRP record of this species was documented in 2010 within the survey area. Additionally, this species was observed during the 2025 field survey. **Present**
Berberis nevinii	Nevin's barberry	1B.1, FE, SE	No	This species occurs within chaparral, cismontane woodland, coastal sage scrub, and riparian scrub from 230 to 2,705 feet in elevation (CNPS 2025).	(February) March to June	Perennial evergreen shrub	Low-quality suitable habitat consisting of woodlands, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Bloomeria clevelandii	San Diego goldenstar	1B.1	No	This species occurs within chaparral, coastal sage scrub, valley and foothill grassland, and vernal pool habitats from 165 to 1,525 feet in elevation (CNPS 2025).	April to May	Perennial bulbiferous herb	Moderate-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. The nearest CNDDB record of this species was documented in 2017 within 1.4 miles of the survey area. **Moderate Potential**
Brodiaea filifolia	Thread leaved brodiaea	1B.1, FT, SE	Yes	This species occurs within chaparral, cismontane woodland, coastal sage scrub, playas, valley and foothill grassland, and vernal pool habitat from 80 to 3,675 feet in elevation (CNPS 2025).	March to June	Perennial bulbiferous herb	Low-quality suitable habitat consisting of woodlands, non-native grassland, chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. Additionally, the survey area is outside of the typical range for this species. **Low Potential**
Brodiaea orcuttii	Orcutt's brodiaea	1B.1, USFSS	No	This species occurs within vernal pools, chaparral, cismontane woodland, closed-cone coniferous forest, meadows and seeps, valley and foothill grassland habitats from 100 to 5,550 feet in elevation (CNPS 2025).	May to July	Perennial bulbiferous herb	Moderate-quality suitable habitat consisting of woodlands, non-native grassland, and chaparral is located within the survey area. The nearest recent CNDDB record of this species was documented in 2010 within 0.5 mile of the survey area. The nearest CNF ESRP record of this species was documented in an unknown year within 0.7 mile of the survey area. **High Potential**
Calandrinia breweri	Brewer's calandrinia	4.2	No	This species occurs within chaparral and coastal sage scrub habitats from 35 to 4,005 feet in elevation (CNPS 2025).	(January) March to June	Annual herb	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. The nearest CNF ESRP record of this species was documented in 2016 within 0.7 mile of the survey area. **High Potential**

Scientific Name	Common Name	Listing Status[8]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[9]	Life Form	Potential to Occur in the Survey Area
Calochortus dunnii	Dunn's mariposa lily	1B.2, SR, USFSS	No	This species occurs within chaparral, closed-cone coniferous forest, and valley and foothill grassland habitats from 605 to 6,005 feet in elevation (CNPS 2025).	(February) April to June	Perennial bulbiferous herb	High-quality suitable habitat consisting of non-native grassland and chaparral is located within the survey area. The nearest recent CNDDB record of this species was documented in 2010 within the survey area. The nearest CNF ESRP record of this species was documented in an unknown year within the survey area. **High Potential**
Calochortus weedii var. *intermedius*	Intermediate mariposa-lily	1B.2, USFSS	No	This species occurs within chaparral, coastal scrub, and valley and foothill grassland habitats from 345 to 2,805 feet in elevation (CNPS 2025).	May to July	Perennial bulbiferous herb	Low-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Camissoniopsis lewisii	Lewis' evening-primrose	3	No	This species occurs within coastal bluff scrub, cismontane woodland, coastal dunes and scrub, and valley and foothill grassland habitats from sea level to 985 feet in elevation (CNPS 2025).	March to May (June)	Annual herb	Low-quality suitable habitat consisting of woodlands, coastal sage scrub, and non-native grassland is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Carex obispoensis	San Luis Obispo sedge	1B.2, USFSS	No	This species occurs within chaparral, closed-cone coniferous forest, coastal prairie, coastal sage scrub, and valley and foothill grassland habitats from 35 to 2,690 feet in elevation (CNPS 2025).	April to June	Perennial cespitose herb	High-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. No historic CNDDB records of this species have been documented within five miles of the survey area. The nearest recent CNDDB record of this species was documented in 2016 within 3.6 miles of the survey area. **Moderate Potential**
Castilleja lasiorhyncha	San Bernardino Mountains owl's-clover	1B.2, USFSS	No	This species occurs within chaparral, meadows and seeps, pebble plain, riparian woodland, and upper montane coniferous forest habitats from 4,265 to 7,840 feet in elevation (CNPS 2025).	May to August	Annual herb (hemiparasitic)	Although chaparral and riparian woodland habitats are located within the survey area, the survey area is outside of the elevation range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Castilleja plagiotoma	Mojave Indian paintbrush	4.3, USFSS	No	This species occurs within Great Basin scrub, Joshua tree woodland, lower montane coniferous forest, and pinyon and juniper woodland from 985 to 8,205 feet in elevation (CNPS 2025).	April to June	Perennial herb (hemiparasitic)	No suitable habitat is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Caulanthus simulans	Payson's jewel-flower	4.2, USFSS	No	This species occurs within chaparral and coastal scrub habitats from 295 to 7,220 feet in elevation (CNPS 2025).	(February) March to May (June)	Annual herb	Moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Ceanothus cyaneus	Lakeside ceanothus	1B.2, USFSS	No	This species occurs within chaparral and closed-cone coniferous forest habitats from 770 to 2,475 feet in elevation (CNPS 2025).	April to June	Perennial evergreen shrub	High-quality suitable habitat consisting of chaparral is located within the survey area. The nearest recent CNDDB record of this species was documented in 2014 within 0.8 mile of the survey area. The nearest and most recent SanBIOS record of this species was documented in 2021 within five miles of the survey area. **High Potential**
Ceanothus foliosus var. *viejasensis*	Viejas Mountain ceanothus	1B.2	No	This species occurs within chaparral habitat from 2,575 to 4,495 feet in elevation (CNPS 2025).	March to June	Perennial shrub	Moderate-quality suitable habitat consisting of chaparral is located within the survey area. The nearest and most recent CNDDB record of this species was documented in 2017 within 3.2 miles of the survey area. **Moderate Potential**

Scientific Name	Common Name	Listing Status[8]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[9]	Life Form	Potential to Occur in the Survey Area
Centromadia pungens ssp. *laevis*	Smooth tarplant	1B.1	No	This species occurs within chenopod scrub, meadows and seeps, playas, riparian woodland, and valley and foothill grassland habitats from sea level to 2,100 feet in elevation (CNPS 2025).	April to September	Annual herb	Low-quality suitable habitat consisting of non-native grassland and riparian woodland is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Chamaebatia australis	Southern mountain misery	4.2	No	This species occurs within chaparral (gabbroic metavolcanic) habitats from 985 to 3,345 feet in elevation (CNPS 2025).	November to May	Perennial evergreen shrub	Low-quality suitable habitat consisting of chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Chorizanthe leptotheca	Peninsular spineflower	4.2	No	This species occurs within chaparral, coastal scrub, and lower montane coniferous forest habitats from 985 to 6,235 feet in elevation (CNPS 2025).	May to August	Annual herb	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. The nearest and most recent Sunrise Powerlink Project record of this species was documented in 2010 within the survey area. **High Potential**
Chorizanthe parryi var. *parryi*	Parry's spineflower	1B.1, USFSS	No	This species occurs within chaparral, cismontane woodland, coastal scrub, and valley and foothill grassland habitats from 900 to 4,005 feet in elevation (CNPS 2025).	April to June	Annual herb	High-quality suitable habitat consisting of woodlands, non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Chorizanthe polygonoides var. *longispina*	Long-spined spineflower	1B.2	No	This species occurs within chaparral, coastal sage scrub, meadows and seeps, valley and foothill grassland, and vernal pool habitats from 100 to 5,020 feet in elevation (CNPS 2025).	April to July	Annual herb	High-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. The nearest CNDDB record of this species was documented in 1993 within 2.5 miles of the survey area. The most recent CNDDB record of this species was documented in 1995 within 3.3 miles of the survey area. **Moderate Potential**
Clarkia delicata	Delicate clarkia	1B.2	No	This species occurs within chaparral and cismontane woodland habitats from 770 to 3,280 feet in elevation (CNPS 2025).	April to June	Annual herb	High-quality suitable habitat consisting of chaparral and woodlands is located within the survey area. The nearest recent CNDDB record of this species was documented in 2010 within the survey area. The nearest and most recent SanBIOS record of this species was documented in 2017 within four miles of the survey area. This species was observed during the 2025 field survey. **Present**
Clinopodium chandleri	San Miguel savory	1B.2, USFSS	No	This species occurs within chaparral, cismontane woodland, coastal sage scrub, riparian woodland, and valley and foothill grassland habitats from 395 to 3,525 feet in elevation (CNPS 2025).	March to July	Perennial shrub	Moderate-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, coastal sage scrub, and woodlands is located within the survey area. One CNDDB record of this species was documented in 2020 within 3.9 miles of the survey area. **Moderate Potential**
Comarostaphylis diversifolia ssp. *diversifolia*	Summer holly	1B.2	No	This species occurs within chaparral and cismontane woodland habitats from 100 to 2,590 feet in elevation (CNPS 2025).	April to June	Perennial evergreen shrub	Moderate-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**

Scientific Name	Common Name	Listing Status[8]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[9]	Life Form	Potential to Occur in the Survey Area
Convolvulus simulans	Small-flowered morning-glory	4.2	No	This species occurs within chaparral, coastal scrub, and valley and foothill grassland habitats from 100 to 2,430 feet in elevation (CNPS 2025).	March to July	Annual herb	Moderate-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Cordylanthus rigidus ssp. *brevibracteatus*	Short-bracted bird's-beak	4.3	No	This species occurs within chaparral, lower montane coniferous forest, pinyon and juniper woodland, and upper montane coniferous forest habitats from 2,000 to 8,500 feet in elevation (CNPS 2025).	July to August (September)	Annual herb (hemiparasitic)	Moderate-quality suitable habitat consisting of chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Deinandra floribunda	Tecate tarplant	1B.2, USFSS	No	This species occurs within chaparral and coastal scrub habitats from 230 to 4,005 feet in elevation (CNPS 2025).	August to October	Annual herb	Low-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Deinandra mohavensis	Mojave tarplant	1B.3, SE, USFSS	No	This species occurs within chaparral, coastal scrub, and riparian scrub habitats from 2,100 to 5,250 feet in elevation (CNPS 2025).	(January to May) June to October	Annual herb	Low-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Delphinium hesperium ssp. *cuyamacae*	Cuyamaca larkspur	1B.2, SR, USFSS	No	This species occurs within lower montane coniferous forest, meadows and seeps, and vernal pool habitats from 4,005 to 5,350 feet in elevation (CNPS 2025).	May to July	Perennial herb	No suitable habitat is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. Additionally, the survey area is outside of the elevation range of this species. **Absent**
Delphinium parishii ssp. *subglobosum*	Colorado Desert larkspur	4.3	No	This species occurs within chaparral, cismontane woodland, pinyon and juniper woodland, and Sonoran desert scrub habitats from 1,970 to 5,905 feet in elevation (CNPS 2025).	March to June	Perennial herb	Low-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Dieteria asteroides var. *lagunensis*	Mount Laguna aster	2B.1, SR, USFSS	No	This species occurs within cismontane woodland and lower montane coniferous forest habitats from 2,590 to 7,875 feet in elevation (CNPS 2025).	(May) July to August	Perennial herb	Although oak woodlands are located within the survey area, the survey area is outside of the typical range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Diplacus clevelandii	Cleveland's bush monkeyflower	4.2	No	This species occurs within chaparral, cismontane woodland, and lower montane coniferous forest habitats from 1,475 to 6,560 feet in elevation (CNPS 2025).	April to June	Perennial rhizomatous herb	Moderate-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Dudleya multicaulis	Many-stemmed dudleya	1B.2, USFSS	No	This species occurs within chaparral, coastal scrub, and valley and foothill grassland habitats from 50 to 2,590 feet in elevation (CNPS 2025).	April to July	Perennial herb	Low-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**

Scientific Name	Common Name	Listing Status[8]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[9]	Life Form	Potential to Occur in the Survey Area
Dudleya variegata	Variegated dudleya	1B.2	No	This species occurs within chaparral, cismontane woodland, coastal sage scrub, valley and foothill grassland, and vernal pool habitats from 10 to 1,905 feet in elevation (CNPS 2025).	April to June	Perennial herb	Moderate-quality suitable habitat consisting of woodlands, non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. The nearest and most recent CNDDB record of this species was documented in 2018 within 1.4 miles of the survey area. **Moderate Potential**
Dudleya viscida	Sticky dudleya	1B.2, USFSS	No	This species occurs within coastal bluff scrub, chaparral, cismontane woodland, and coastal scrub habitats from 35 to 1,805 feet in elevation (CNPS 2025).	May to June	Perennial herb	Low-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Ericameria palmeri var. *palmeri*	Palmer's goldenbush	1B.1	No	This species occurs within chaparral and coastal sage scrub habitats from 100 to 1,970 feet in elevation (CNPS 2025).	(July) September to November	Perennial evergreen shrub	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. The nearest CNDDB record of this species was documented in 2002 within 0.4 mile of the survey area. The nearest recent CNDDB record of this species was documented in 2005 within 4.7 miles of the survey area. One Sunrise Powerlink Project record of this species was documented in 2010 within the survey area. This species was observed during the 2025 field survey. **Present**
Eriogonum evanidum	Vanishing wild buckwheat	1B.1, USFSS	No	This species occurs within chaparral, cismontane woodland, lower montane coniferous forest, and pinyon and juniper woodland habitats from 3,610 to 7,300 feet in elevation (CNPS 2025).	July to October	Annual herb	Although woodland and chaparral habitat is located within the survey area, the survey area is outside of the elevation range of this species. One CNDDB record of this species was documented in an unknown year within 1.5 miles of the survey area. **Absent**
Eryngium aristulatum var. *parishii*	San Diego button celery	1B.1, FE, SE	Yes	This species occurs within coastal sage scrub, valley and foothill grassland, and vernal pool habitats from 65 to 2,035 feet in elevation (CNPS 2025).	April to June	Annual/ perennial herb	Low-quality suitable habitat consisting of non-native grassland and coastal sage scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Erythranthe diffusa	Palomar monkeyflower	4.3	No	This species occurs within chaparral and lower montane coniferous forest habitats from 4,005 to 6,005 feet in elevation (CNPS 2025).	April to June	Annual herb	Although chaparral habitat is located within the survey area, the survey area is outside of the elevation range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Euphorbia abramsiana	Abrams' spurge	2B.2	No	This species occurs within Mojavean desert scrub and Sonoran desert scrub habitats from -15 to 4,300 feet in elevation (CNPS 2025).	(August) September to November	Annual herb	No suitable habitat is located within the survey area. One CNDDB record of this species was documented in 1963 within 1.5 miles of the survey area. **Absent**
Ferocactus viridescens	San Diego barrel cactus	2B.1	No	This species occurs within chaparral, coastal sage scrub, valley and foothill grassland, and vernal pool habitats from 10 to 1,475 feet in elevation (CNPS 2025).	May to June	Perennial stem succulent	Moderate-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. One CNDDB record of this species was documented in 1995 within 4.7 miles of the survey area. **Moderate Potential**
Fremontodendron mexicanum	Mexican flannelbush	1B.1, FE, SR	No	This species occurs within chaparral, cismontane woodland, and closed-cone coniferous forest habitats from 35 to 2,350 feet in elevation (CNPS 2025).	March to June	Perennial evergreen shrub	Moderate-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**

Scientific Name	Common Name	Listing Status[8]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[9]	Life Form	Potential to Occur in the Survey Area
Galium angustifolium ssp. *jacinticum*	San Jacinto Mountains bedstraw	1B.3, USFSS	No	This species occurs within lower montane coniferous forest habitat from 4,430 to 6,890 feet in elevation (CNPS 2025).	June to August	Perennial herb	No suitable habitat is located within the survey area and the survey area is outside of the elevation range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Geraea viscida	Sticky geraea	2B.2	No	This species occurs within chaparral habitat, often in disturbed areas, from 1,475 to 5,580 feet in elevation (CNPS 2025).	(April) May to June	Perennial herb	High-quality suitable habitat consisting of chaparral is located within the survey area. The nearest CNDDB record of this species was documented in 1971 within 0.7 mile of the survey area. The nearest recent CNDDB record of this species was documented in 2005 within 3.4 miles of the survey area. **Moderate Potential**
Githopsis diffusa ssp. *filicaulis*	Mission Canyon bluecup	3.1	No	This species occurs within chaparral habitat, often in disturbed areas or mesic areas, from 1,475 to 2,295 feet in elevation (CNPS 2025).	April to June	Annual herb	High-quality suitable habitat consisting of chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Grindelia hallii	San Diego gumplant	1B.2	No	This species occurs within chaparral, lower montane coniferous forest, meadows and seeps, and valley and foothill grassland habitats from 605 to 5,725 feet in elevation (CNPS 2025).	May to October	Perennial herb	Low-quality suitable habitat consisting of non-native grassland and chaparral is located within the survey area. One CNDDB record of this species was documented in 1976 within 3.4 miles of the survey area. **Low Potential**
Harpagonella palmeri	Palmer's grapplinghook	4.2	No	This species occurs within chaparral, coastal sage scrub, and valley and foothill grassland from 65 to 3,135 feet in elevation (CNPS 2025).	March to May	Annual herb	Moderate-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. No recent CNDDB records of this species have been documented within five miles of the survey area. The nearest historic CNDDB record of this species was documented in 1992 within three miles of the survey area. **Moderate Potential**
Hesperocyparis forbesii	Tecate cypress	1B.1, USFSS	No	This species occurs within closed-cone coniferous forest and chaparral habitats from 260 to 4,920 feet in elevation (CNPS 2025).	Not applicable	Perennial evergreen tree	Moderate-quality suitable habitat consisting of chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Hesperocyparis stephensonii	Cuyamaca cypress	1B.1, USFSS	No	This species occurs within closed-cone coniferous forest, chaparral, cismontane woodland, and riparian forest habitats from 3,395 to 5,595 feet in elevation (CNPS 2025).	Not applicable	Perennial evergreen tree	Although chaparral, riparian forest, and woodlands habitats are located within the survey area, the survey area is outside the elevation range of the species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Heuchera abramsii	Abrams' alumroot	4.3, USFSS	No	This species occurs within rocky upper montane coniferous forest habitat from 9,185 to 11,485 feet in elevation (CNPS 2025).	July to August	Perennial rhizomatous herb	No suitable habitat is located within the survey area, and the survey area is outside of the elevation range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Holocarpha virgata ssp. *Elongata*	Graceful tarplant	4.2	No	This species occurs within the chaparral, cismontane woodland, coastal scrub, and valley and foothill grassland habitats from 195 to 3,610 feet in elevation (CNPS 2025).	May to November	Annual herb	Moderate-quality suitable habitat consisting of woodlands, non-native grassland, chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**

Scientific Name	Common Name	Listing Status[8]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[9]	Life Form	Potential to Occur in the Survey Area
Hordeum intercedens	Vernal barley	3.2	No	This species occurs within the coastal dunes, coastal scrub, valley and foothill grassland (depressions, saline flats), and vernal pool habitats from 15 to 3,280 feet in elevation (CNPS 2025).	March to June	Annual herb	Moderate-quality suitable habitat consisting of non-native grassland and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Horkelia cuneata var. *puberula*	Mesa horkelia	1B.1, USFSS	No	This species occurs within maritime chaparral, cismontane woodland, and coastal scrub habitats from 230 to 2,660 feet in elevation (CNPS 2025).	Feb to July (September)	Perennial herb	Low-quality suitable habitat consisting of woodlands, chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Horkelia truncata	Ramona horkelia	1B.3, USFSS	No	This species occurs within chaparral and cismontane woodland habitats from 1,310 to 4,265 feet in elevation (CNPS 2025).	May to June	Perennial herb	High-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. The nearest recent CNDDB record of this species was documented in 2015 within 1.5 miles of the survey area. The nearest CNDDB record of this species was documented in 1938 within the survey area. The nearest and most recent SanBIOS record of this species was documented in 2001 within 2.8 miles of the survey area. **Moderate Potential**
Hulsea californica	San Diego sunflower	1B.3	No	This species occurs within chaparral, lower montane coniferous forest, and upper montane coniferous forest habitats from 3,000 to 9,565 feet in elevation (CNPS 2025).	April to June	Perennial herb	Moderate-quality suitable habitat consisting of chaparral is located within the survey area. The nearest CNDDB record of this species was documented in 1994 within 3.2 miles of the survey area. The nearest recent CNDDB record of this species was documented in 2010 within 4.4 miles of the survey area. The nearest and most recent CNF ESRP record of this species was documented in 2010 within the survey area. **High Potential**
Isocoma menziesii var. *decumbens*	Decumbent goldenbush	1B.2	No	This species occurs within chaparral and coastal sage scrub habitats from 35 to 820 feet in elevation (CNPS 2025).	April to November	Perennial shrub	Although moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area, the survey area is mostly outside of the elevation range of this species. The nearest CNDDB record of this species was documented in 1930 within 1.6 miles of the survey area. The most recent CNDDB record of this species was documented in 2019 within 2.8 miles of the survey area. **Moderate Potential**
Iva hayesiana	San Diego marsh elder	2B.2	No	This species occurs within marshes and swamps and playa habitats from sea level to 1,640 feet in elevation (CNPS 2025).	April to October	Perennial herb	No suitable habitat is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. One SanBIOS record of this species was documented in 2017 within 4.3 miles of the survey area. **Absent**
Juglans californica	Southern California black walnut	4.2	No	This species occurs within chaparral, cismontane woodland, coastal scrub, and riparian woodland habitats from 165 to 2,955 feet in elevation (CNPS 2025).	March to August	Perennial deciduous tree	Moderate-quality suitable habitat consisting of woodlands, chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Juncus acutus ssp. *leopoldii*	Southwestern spiny rush	4.2	No	This species occurs within coastal dunes (mesic), coastal scrub, meadows and seeps (alkaline seeps), and marsh and swamp (coastal salt) habitats from 10 to 2,955 feet in elevation (CNPS 2025).	(March) May to June	Perennial rhizomatous herb	High-quality suitable habitat consisting of coastal sage scrub is located within the survey area. The most recent Sweetwater Authority record of this species was documented in 2016 within 0.2 mile of the survey area. **High Potential**

Scientific Name	Common Name	Listing Status[8]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[9]	Life Form	Potential to Occur in the Survey Area
Lathyrus splendens	Pride-of-California	4.3	No	This species occurs within chaparral habitat from 655 to 5,005 feet in elevation (CNPS 2025).	March to June	Perennial herb	Moderate-quality suitable habitat consisting of chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Lepechinia ganderi	Gander's pitcher sage	1B.3	No	This species occurs within chaparral, closed-cone coniferous forest, coastal sage scrub, and valley and foothill grassland habitats from 1,000 to 3,295 feet in elevation (CNPS 2025).	June to July	Perennial shrub	Moderate-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. One CNDDB record of this species was documented in 1986 within 3.8 miles of the survey area. **Moderate Potential**
Lepidium virginicum var. *robinsonii*	Robinson's pepper-grass	4.3	No	This species occurs within chaparral and coastal sage scrub habitats from five to 2,905 feet in elevation (CNPS 2025).	January to July	Annual herb	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. The nearest recent CNDDB record of this species was documented in 2006 within the survey area. This species was observed during the 2025 field survey. **Present**
Lessingia glandulifera var. *tomentosa*	Warner Springs lessingia	1B.1, USFSS	No	This species occurs within chaparral (sandy) habitats from 2,855 to 4,005 feet in elevation (CNPS 2025).	August to October	Annual herb	Low-quality suitable habitat consisting of chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Lewisia brachycalyx	Short-sepaled lewisia	2B.2, USFSS	No	This species occurs within lower montane coniferous forest and meadow and seep habitats from 4,495 to 7,545 feet in elevation (CNPS 2025).	(February) April to June (July)	Perennial herb	No suitable habitat is located within the survey area, and the survey area is outside the elevation range of the species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Lilium humboldtii ssp. *ocellatum*	Ocellated Humboldt lily	4.2	No	This species occurs within chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, and riparian woodland habitats from 100 to 5,905 feet in elevation (CNPS 2025).	March to July (August)	Perennial bulbiferous herb	Moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, coastal scrub, and woodlands is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Lilium parryi	Lemon lily	1B.2, USFSS	No	This species occurs within lower montane coniferous forest, meadows and seeps, riparian forest, and upper montane coniferous forest habitats from 4,005 to 9,005 feet in elevation (CNPS 2025).	July to August	Perennial bulbiferous herb	Although riparian forest and coast live oak riparian forest habitats are located within the survey area, the survey area is located outside the elevation range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Limnanthes alba ssp. *parishii*	Parish's meadowfoam	1B.2, SE, USFSS	No	This species occurs within lower montane coniferous forest, meadows and seeps, and vernal pool habitats from 1,970 to 6,560 feet in elevation (CNPS 2025).	April to June	Annual herb	No suitable habitat is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Linanthus orcuttii	Orcutt's linanthus	1B.3, USFSS	No	This species occurs within openings in chaparral, lower montane coniferous forest, and pinyon and juniper woodland habitats from 3,000 to 7,040 feet in elevation (CNPS 2025).	May to June	Annual herb	Although chaparral habitats are located within the survey area, the survey area is outside the elevation range of the species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Mielichhoferia shevockii	Shevock's copper moss	1B.2, USFSS	No	This species occurs within cismontane woodland habitat from 2,460 to 4,595 feet in elevation (CNPS 2025).	Not applicable	Moss	Although oak woodlands are located within the survey area, the survey area is outside of the typical range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**

Scientific Name	Common Name	Listing Status[8]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[9]	Life Form	Potential to Occur in the Survey Area
Monardella breweri ssp. *microcephala*	Small-headed monardella	2B.2	No	This species occurs within chaparral, cismontane woodland, and lower montane coniferous forest habitats from 755 to 3,935 feet in elevation (CNPS 2025).	May to August	Annual herb	Moderate-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. One CNDDB record of this species was documented in 2020 within 0.4 mile of the survey area. **High Potential**
Monardella hypoleuca ssp. *lanata*	Felt-leaved monardella	1B.2, USFSS	No	This species occurs within chaparral and cismontane woodland habitats from 985 to 5,170 feet in elevation (CNPS 2025).	June to August	Perennial rhizomatous herb	High-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. The nearest CNDDB record of this species was documented in an unknown year within 0.5 mile of the survey area. The most recent CNDDB record of this species was documented in 2019 within 3.8 miles of the survey area. The nearest and most recent SanBIOS record of this species was documented in 2009 within 0.2 mile of the survey area. The nearest recent Sunrise Powerlink Project record of this species was documented in 2009 within 0.2 mile of the survey area. **High Potential**
Monardella macrantha ssp. *hallii*	Hall's monardella	1B.3, USFSS	No	This species occurs within broadleafed upland forest, chaparral, cismontane woodland, lower montane coniferous forest, and valley and foothill grassland habitats from 2,395 to 7,200 feet in elevation (CNPS 2025).	June to October	Perennial rhizomatous herb	Low-quality suitable habitat consisting of woodlands, non-native grassland, and chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Monardella nana ssp. *leptosiphon*	San Felipe monardella	1B.2, USFSS	No	This species occurs within chaparral and lower montane coniferous forest habitats from 3,935 to 6,085 feet in elevation (CNPS 2025).	June to July	Perennial rhizomatous herb	Although chaparral habitats are located within the survey area, the survey area is outside the elevation range of the species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Monardella viminea	Willowy monardella	1B.1, FE, SE	Yes	This species occurs within chaparral, coastal scrub, riparian forest, riparian scrub, and riparian woodland habitats from 165 to 740 feet in elevation (CNPS 2025).	June to August	Perennial herb	Low-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, coastal scrub, riparian forest, coast live oak riparian forest, and riparian woodland is located within the survey area. Additionally, the survey area is outside of the typical range for this species. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Navarretia peninsularis	Baja navarretia	1B.2, USFSS	No	This species occurs within openings in chaparral, lower montane coniferous forest, meadows and seeps, pinyon and juniper woodland habitats from 4,920 to 7,545 feet in elevation (CNPS 2025).	(May) June to August	Annual herb	Although chaparral habitats are located within the survey area, the survey area is outside the elevation range of the species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Nolina cismontana	Chaparral nolina	1B.2, USFSS	No	This species occurs within chaparral and coastal sage scrub habitats, and sometimes in gabbroic or sandstone soils, from 460 to 4,185 feet in elevation (CNPS 2025).	(March) May to July	Perennial evergreen shrub	Low-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage is located within the survey area. However, gabbroic soils do not occur within the survey area. The most recent and nearest CNDDB record of this species was documented in 2010 within 2.9 miles of the survey area. One SanBIOS record of this species was documented in 2001 within 3.2 miles of the survey area. **Low Potential**
Nolina interrata	Dehesa nolina	1B.1, SE	Yes	This species occurs within chaparral habitat (often in gabbroic, metavolcanic, or serpentinite soils(from 605 to 2,805 feet in elevation (CNPS 2025).	June to July	Perennial herb	Low-quality suitable habitat consisting of chaparral is located within the survey area. However, gabbroic soils do not occur within the survey area. The nearest recent CNDDB record of this species was documented in 2020 within 1.3 miles of the survey area. **Low Potential**

Scientific Name	Common Name	Listing Status[8]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[9]	Life Form	Potential to Occur in the Survey Area
Packera ganderi	Gander's ragwort	1B.2, USFSS, SR	No	This species occurs within chaparral habitat from 1,310 to 3,935 feet in elevation (CNPS 2025).	April to June	Perennial herb	High-quality suitable habitat consisting of chaparral is located within the survey area. The nearest and most recent CNDDB record of this species was documented in 2010 within 3.2 miles of the survey area. The nearest and most recent SanBIOS record of this species was documented in 2001 within 3.2 miles of the survey area. **Moderate Potential**
Penstemon californicus	California beardtongue	1B.2, USFSS	No	This species occurs within chaparral, lower montane coniferous forest, and pinyon and juniper woodland habitats from 3,840 to 7,545 feet in elevation (CNPS 2025).	May to June (August)	Perennial herb	Although chaparral habitats are located within the survey area, the survey area is outside the elevation range of the species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Pentachaeta aurea ssp. *aurea*	Golden-rayed pentachaeta	4.2	No	This species occurs within chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, riparian woodland, and valley and foothill grassland habitats from 260 to 6,070 feet in elevation (CNPS 2025).	March to July	Annual herb	Moderate-quality suitable habitat consisting of woodlands, non-native grassland, chaparral, coastal sage/chaparral mix, coastal scrub, and riparian woodland is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Pentagramma rebmanii	Rebman's silverback fern	1B.3	No	This species occurs within chaparral, cismontane woodland, and riparian woodland habitats from 575 to 5,775 feet in elevation (CNPS 2025).	Not applicable	Perennial rhizomatous herb	High-quality suitable habitat consisting of chaparral and woodlands is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Phacelia keckii	Santiago Peak phacelia	1B.3, USFSS	No	This species occurs within closed-cone coniferous forest and chaparral habitats from 1,790 to 5,250 feet in elevation (CNPS 2025).	May to July	Annual herb	Low-quality suitable habitat consisting of chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Pickeringia montana var. *tomentosa*	Woolly chaparral-pea	4.3	No	This species occurs within chaparral habitats from sea level to 5,580 feet in elevation (CNPS 2025).	May to August	Evergreen shrub	High-quality suitable habitat consisting of chaparral is located within the survey area. No CNDDB records of this species have been documented within five of the survey area. **Moderate Potential**
Piperia colemanii	Coleman's rein orchid	4.3	No	This species occurs within chaparral and lower montane coniferous forest habitats from 3,935 to 7,545 feet in elevation (CNPS 2025).	June to August	Perennial herb	Although chaparral habitats are located within the survey area, the survey area is outside the elevation range of the species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Piperia cooperi	Cooper's rein orchid	4.2	No	This species occurs within chaparral, cismontane woodland, and valley and foothill grassland habitats from 50 to 5,200 feet in elevation (CNPS 2025).	March to June	Perennial herb	High-quality suitable habitat consisting of woodlands, non-native grassland, and chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. The nearest CNF ESRP record of this species was documented in an unknown year within the survey area. The nearest and most recent Sunrise Powerlink Project record of this species was documented in 2010 within the survey area. **High Potential**
Piperia leptopetala	Narrow-petaled rein orchid	4.3	No	This species occurs within cismontane woodland, lower montane coniferous forest, and upper montane coniferous forest habitats from 1,245 to 7,300 feet in elevation (CNPS 2025).	May to July	Perennial herb	Although oak woodlands are located within the survey area, the survey area is outside of the typical range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**

Scientific Name	Common Name	Listing Status[8]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[9]	Life Form	Potential to Occur in the Survey Area
Pogogyne abramsii	San Diego mesa mint	1B.1, FE, SE	Yes	This species occurs within vernal pool habitat from 295 to 655 feet in elevation (CNPS 2025).	March to July	Annual herb	No suitable habitat consisting of vernal pools is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Pseudognaphalium leucocephalum	White rabbit-tobacco	2B.2	No	This species occurs within chaparral, cismontane woodland, coastal sage scrub, and riparian woodland habitats from sea level to 6,890 feet in elevation (CNPS 2025).	(July) August to November (December)	Perennial herb	Moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, coastal sage scrub, and woodlands is located within the survey area. One CNDDB record of this species was documented in 2006 within 4.3 miles of the survey area. **Moderate Potential**
Quercus cedrosensis	Cedros Island oak	2B.2	No	This species occurs within chaparral, closed-cone coniferous forest, and coastal sage scrub habitats from 835 to 3,150 feet in elevation (CNPS 2025).	April to May	Perennial evergreen tree	Moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. One CNDDB record of this species was documented in 2013 within 4.4 miles of the survey area. **Moderate Potential**
Quercus dumosa	Nuttall's scrub oak	1B.1, USFSS	No	This species occurs within chaparral, closed-cone coniferous forest, and coastal sage scrub habitats from 50 to 1,310 feet in elevation (CNPS 2025).	February to April (May to August)	Perennial evergreen shrub	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. The nearest CNDDB record of this species was documented in 1997 within 2.3 miles of the survey area. The nearest recent CNDDB record of this species was documented in 2005 within 3.8 miles of the survey area. **Moderate Potential**
Quercus engelmannii	Engelmann oak	4.2	No	This species occurs within chaparral, cismontane woodland, riparian woodland, and valley and foothill grassland habitats from 165 to 4,265 feet in elevation (CNPS 2025).	March to June	Perennial deciduous tree	High-quality suitable habitat consisting of non-native grassland, chaparral and woodlands is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. This species was observed during the 2025 field survey. **Present**
Rhinotropis cornuta var. *fishiae*	Fish's milkwort	4.3	No	This species occurs within chaparral, cismontane woodland, and riparian woodland habitats from 330 to 3,280 feet in elevation (CNPS 2025).	May to August	Perennial deciduous shrub	High-quality suitable habitat consisting of chaparral and woodlands is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Ribes canthariforme	Moreno currant	1B.3, USFSS	No	This species occurs within chaparral and riparian scrub habitats from 1,115 to 3,935 feet in elevation (CNPS 2025).	February to April	Perennial deciduous shrub	High-quality suitable habitat consisting of chaparral is located within the survey area. The nearest CNDDB record of this species was documented in an unknown year within 0.5 mile of the survey area. The nearest and most recent CNDDB record of this species was documented in 2015 within 2.2 miles of the survey area. One SanBIOS record of this species was documented in 2001 within 2.8 miles of the survey area. One Sunrise Powerlink Project record of this species was documented in 2010 within 1.1 miles of the survey area. **Moderate Potential**
Romneya coulteri	Coulter's matilija poppy	4.2	No	This species occurs within chaparral and coastal scrub habitats from 65 to 3,935 feet in elevation (CNPS 2025).	March to July (August)	Perennial rhizomatous herb	Moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Salvia munzii	Munz's sage	2B.2	No	This species occurs within chaparral and coastal sage scrub habitats from 375 to 3,495 feet in elevation (CNPS 2025).	February to April	Perennial evergreen shrub	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. One CNDDB record of this species was documented in 2006 within the survey area. This species was observed during the 2025 field survey. **Present**

Scientific Name	Common Name	Listing Status[8]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[9]	Life Form	Potential to Occur in the Survey Area
Sanicula tracyi	Tracy's sanicle	4.2, USFSS	No	The species occurs within cismontane woodland, lower montane coniferous forest, and upper montane coniferous forest habitats from 330 to 5,200 feet in elevation (CNPS 2025).	April to July	Perennial herb	Although oak woodlands are located within the survey area, the survey area is outside of the range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Scutellaria bolanderi ssp. *austromontana*	Southern mountains skullcap	1B.2, USFSS	No	This species occurs within mesic areas within chaparral, cismontane woodland, and lower montane coniferous forest habitats from 1,395 to 6,560 feet in elevation (CNPS 2025).	June to August	Perennial rhizomatous herb	Moderate-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. No recent CNDDB records of this species have been documented within five miles of the survey area. The nearest historic CNDDB record of this species was documented in 1937 within 0.3 mile of the survey area. **Moderate Potential**
Selaginella cinerascens	Ashy spike-moss	4.1	No	This species occurs within chaparral and coastal scrub habitats from 65 to 2,100 feet in elevation (CNPS 2025).	Not applicable	Perennial rhizomatous herb	Moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Senna covesii	Cove's cassia	2B.2	No	This species occurs within Sonoran desert scrub habitat from 740 to 4,250 feet in elevation (CNPS 2025).	March to June (August)	Perennial herb	No suitable habitat is located within the survey area. One CNDDB record of this species was documented in 2007 within 2.4 miles of the survey area. **Absent**
Sibaropsis hammittii	Hammitt's clay-cress	1B.2, USFSS	No	This species occurs within chaparral and valley and foothill grassland habitats from 2,360 to 3,495 feet in elevation (CNPS 2025).	March to April	Annual herb	Moderate-quality suitable habitat consisting of non-native grassland and chaparral is located within the survey area. The nearest and most recent CNDDB record of this species was documented in 2003 within 3.3 miles of the survey area. The nearest and most recent SanBIOS record of this species was documented in 1994 within 2.7 miles of the survey area. **Moderate Potential**
Sphaerocarpos drewiae	Bottle liverwort	1B.1	No	This species occurs within chaparral and coastal sage scrub habitats from 295 to 1,970 feet in elevation (CNPS 2025).	Not applicable	Ephemeral liverwort	Moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. One CNDDB record of this species was documented in 1994 within 4.8 miles of the survey area. **Moderate Potential**
Stipa diegoensis	San Diego County needle grass	4.2	No	This species occurs within chaparral and coastal scrub habitats from 35 to 2,625 feet in elevation (CNPS 2025).	February to June	Perennial herb	Moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Streptanthus campestris	Southern jewel-flower	1B.3, USFSS	No	This species occurs within chaparral, lower montane coniferous forest, and pinyon and juniper woodland habitats from 2,955 to 7,545 feet in elevation (CNPS 2025).	(April) May to July	Perennial herb	Moderate-quality suitable habitat consisting of chaparral is located within the survey area. The elevation of the survey area is located just within the typical elevation range for this species. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Symphyotrichum defoliatum	San Bernardino aster	1B.2, USFSS	No	This species occurs within cismontane woodland, coastal scrub, lower montane coniferous forest, meadows and seeps, marshes and swamps, and valley and foothill grassland (vernally mesic) habitats from five to 6,695 feet in elevation (CNPS 2025).	July to November	Perennial rhizomatous herb	Moderate-quality suitable habitat consisting of woodlands, non-native grassland, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**

Scientific Name	Common Name	Listing Status[8]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[9]	Life Form	Potential to Occur in the Survey Area
Tetracoccus dioicus	Parry's tetracoccus	1B.2, USFSS	No	This species occurs within chaparral and coastal sage scrub habitats from 540 to 3,280 feet in elevation (CNPS 2025).	April to May	Perennial deciduous shrub	Moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. The nearest CNDDB record of this species was documented in 2011 within 1.5 miles of the survey area. The most recent CNDDB record of this species was documented in 2015 within 1.5 miles of the survey area. **Moderate Potential**
Thermopsis californica var. *semota*	Velvety false lupine	1B.2, USFSS	No	This species occurs within cismontane woodland, lower montane coniferous forest, meadows and seeps, and valley and foothill grassland habitats from 3,280 to 6,135 feet in elevation (CNPS 2025).	March to June	Perennial rhizomatous herb	Although high-quality suitable woodland and non-native grassland habitats are located within the survey area, the survey area is outside the elevation range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Thysanocarpus rigidus	Rigid fringepod	1B.2, USFSS	No	This species occurs within pinyon and juniper woodland habitats from 1,970 to 7,220 feet in elevation (CNPS 2025).	February to May	Annual herb	No suitable habitat is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Xanthisma junceum	Rush like bristleweed	4.3	No	This species occurs within chaparral and coastal sage scrub habitats from 785 to 3,280 feet in elevation (CNPS 2025).	January to October	Perennial herb	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. The nearest and most recent SanBIOS record of this species was documented in 2012 within 0.7 mile of the survey area. The nearest CNF ESRP record of this species was documented in an unknown year within 0.1 mile of the survey area. The nearest and most recent Sunrise Powerlink Project record of this species was documented in 2009 within the survey area. This species was observed during the 2025 field survey. **Present**

Sources: California Native Plant Society (CNPS) 2025 and U.S. Fish and Wildlife Service (USFWS) 2011

Rush Like Bristleweed

Rush like bristleweed observed within the survey area is locally abundant in patches near the existing Suncrest Substation and has fewer numbers within areas surrounding Loveland Reservoir. This species was typically observed in relatively open chaparral dominated by chamise especially within and near rocky outcrops. This species was observed at the same location as it was previously documented during surveys conducted for SDG&E's Sunrise Powerlink Project; however, more individuals were observed than were documented during those surveys. A total of 162 individuals were mapped as points within the survey area. A total of 11 individuals were mapped within one polygon covering less than 0.01 acre of habitat within the survey area. This polygon and point features are depicted in Attachment A: Biological Resources Map.

San Diego County Viguiera

San Diego County viguiera observed within the survey area is widespread in the western portion of the survey area within coastal sage scrub habitat. In many areas, this species is the dominant species across entire slopes of ridges and hills. Other associated species include California sagebrush, California buckwheat, laurel sumac, and deerweed. This species becomes less common as the survey area continues east, and then chaparral habitat is more common. A total of 1,183 individuals were mapped as points within the survey area. A total of 49,233 individuals were mapped within polygons covering 124.41 acres of habitat within the survey area. These polygons were mapped as 52 discrete areas as depicted in Attachment A: Biological Resources Map.

San Diego Sagewort

San Diego sagewort observed within the survey area is closely associated with drainages and was typically observed along the banks or within the bed of drainages consisting of coast live oak riparian forest. Other associated species include elderberry, desertbroom baccharis, and coast live oak. Individuals historically observed along Sweetwater River appear to have been extirpated as a result of fluctuating water levels in Loveland Reservoir. Several individuals observed along Forester Creek are located just east of a CNDDB occurrence (EONDX 41,411). A total of 22 individuals were mapped as points within the survey area. No polygons were mapped to record this species. The points are depicted in Attachment A: Biological Resources Map.

6.4 SPECIAL-STATUS WILDLIFE SPECIES

The records search generated a list of 58 special-status wildlife species, which were reviewed for their potential to occur within the survey area. Of those, a total of 35 wildlife species were determined to have a moderate or high potential to occur within the survey area. During the 2025 field survey, the following 11 special-status wildlife species were observed within the survey area:

- bald eagle,
- Cooper's hawk (*Astur cooperii*),
- least Bell's vireo,
- yellow warbler (*Setophaga petechia*),

- yellow-breasted chat (*Icteria virens*),
- monarch butterfly (*Danaus plexippus*),
- coast horned lizard (*Phrynosoma blainvillii*),
- coast patch-nosed snake (*Salvadora hexalepis virgultea*),
- coastal rosy boa (*Lichanura orcutti*),
- coastal whiptail (*Aspidoscelis tigris stejnegeri*), and
- red-diamond rattlesnake (*Crotalus ruber*).

However, an exhaustive list of special-status wildlife species that are known to occur regionally was reviewed and analyzed and the species are detailed in Table 8: Special-Status Wildlife Species with the Potential to Occur. This table outlines each species' name, listing status, habitat requirements, and a brief assessment of its potential to occur within the survey area. Potential to occur determinations were made based on the definitions provided in Section 5.1.3 Potential to Occur Evaluation. Recent and historic occurrences of special-status wildlife species from the records search are presented in Attachment F: Recent and Historic Special-Status Wildlife Records. The locations of special-status wildlife species incidentally observed in the survey area are depicted in Attachment A: Biological Resources Map. Sensitive natural communities identified in Section 6.1.2 Sensitive Natural Communities provide habitat for many special-status wildlife species as described in the Potential to Occur in the Survey Area column of Table 8: Special-Status Wildlife Species with the Potential to Occur.

6.4.0 Special-Status Wildlife Species Present in the Survey Area

Attachment G: Faunal Compendium lists all wildlife species observed within the survey area. Of the wildlife species observed during the surveys, 11 are designated as special-status species. Photographs of special-status wildlife species observed are provided in Attachment C: Photographs. The following sections describe the special-status wildlife species observed within the survey area.

Bald Eagle

Bald eagle was observed flying through the survey area just south of the existing Suncrest Substation. The individual was flying southwest toward Loveland Reservoir, where suitable foraging habitat is located. Foraging habitat is located within Sweetwater River where this feature crosses the survey area; however, the extent of open water varies depending upon water levels in the reservoir. Nesting habitat occurs within scattered willow trees; however, these trees are shorter than this species typically prefers for nesting.

Coast Horned Lizard

A coast horned lizard was observed within disturbed habitat along Japatul Road during the 2025 field survey. A juvenile individual was observed and was likely dispersing from the adjacent coastal sage scrub habitat or using the area for foraging.

Coast Patch-Nosed Snake

A coast patch-nosed snake was observed within chaparral habitat to the south of the existing Suncrest Substation during the 2025 field survey. This chaparral habitat is dominated by chamise and located within the CNF.

Table 8: Special-Status Wildlife Species with the Potential to Occur

Common Name	Scientific Name	Listing Status[10]	SDG&E HCP Amendment Covered Species?	Natural History	Potential to Occur in the Survey Area
Amphibians					
Arroyo toad	*Anaxyrus californicus*	FE, SSC	Yes	This species primarily occupies rivers and streams with shallow, gravelly pools adjacent to sandy terraces. Breeding habitat consists of pools less than six inches deep, areas of flowing water with current velocities of less than 1.3 feet per second, and surface water that lasts for a minimum of two months during the breeding season (i.e., March 15 to August 15). A natural flooding regime (or one sufficiently corresponding to a natural flooding regime) is important in maintaining the physical and biological features of the breeding habitat. Additionally, stream channels and adjacent upland habitats are important for movement to and from breeding pools, foraging areas, overwintering sites, upstream and downstream dispersal, and connectivity to areas that contain suitable habitat (SDG&E 2023).	High-quality suitable aquatic breeding habitat is located within the survey area within Loveland Reservoir, Sweetwater River, and Taylor Creek. High-quality suitable upland habitat consisting of non-native grassland, buckwheat scrub, riparian forest, coast live oak forest, and chaparral habitat is located within the survey area adjacent to the suitable aquatic habitat. Additionally, the survey area is located within USFWS-designated critical habitat for this species. The nearest recent CNDDB record of this species was documented in 2005 within 1.6 miles of the survey area. The nearest historic CNDDB record of this species was documented in 1999 within the survey area. Additionally, the nearest and most recent Sweetwater Authority record of this species was documented in 2017 within the survey area. **Aquatic/Breeding: High Potential** **Upland: High Potential**
Large-blotched salamander	*Ensatina eschscholtzii klauberi*	WL, USFSS	No	This species is found under rocks, logs, and other debris within moist shaded evergreen and deciduous forests and oak woodlands. Reproduction is terrestrial and eggs are typically laid in April or May at the end of the rainy season. Young develop completely within the egg and typically emerge after the first major rain event in the fall. This subspecies occurs at the farthest eastern extent of the species' range within the Peninsular Ranges of San Diego County and likely hybridizes with the Monterey ensatina (*Ensatina eschscholtzii eschscholtzii*) (California Herps 2025a).	High-quality suitable habitat consisting of woodlands, riparian forest, coast live oak riparian forest, and coast live oak forest is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Western spadefoot	*Spea hammondii*	FPT, SSC	Yes	This species occurs from sea level to 4,460 feet in elevation. Breeding habitat consists of both natural and altered permanent and temporary wetlands that maintain water for at least 30 days including vernal pools, ephemeral streams, artificial ponds, livestock ponds, sedimentation and flood control ponds, irrigation and roadside ditches, roadside puddles, tire ruts, and borrow pits. Additionally, habitat for this species consists of adjacent uplands up to 1,500 feet from breeding habitat that allow for movement to breeding habitat, foraging areas, and overwintering sites. In San Diego County, western spadefoot distribution generally parallels the distribution of vernal pool habitat along the coast and foothills (SDG&E 2023).	High-quality suitable aquatic breeding habitat is located within the survey area within Loveland Reservoir, Sweetwater River, and Taylor Creek, as well as their tributaries. High-quality suitable upland habitat consisting of non-native grassland, coastal sage scrub, buckwheat scrub, riparian forest, woodlands, coast live oak forest, and chaparral habitat is located within the survey area adjacent to suitable aquatic habitat. The nearest CNDDB record of this species was documented in 2012 within the survey area. The nearest and most recent Sunrise Powerlink Project record of this species was documented in 2012 within the survey area. **Aquatic/Breeding: High Potential** **Upland: High Potential**

[10] Explanation of federal and state listing codes:

Federal listing codes:

-FE: Federally listed as endangered
-FT: Federally listed as threatened
-FPT: Federally proposed for listing as threatened
-BGEPA: BGEPA protected
-USFSS: USFS Sensitive

State listing codes:

-SSC: SSC
-WL: Watch list species
-SE: State-listed as endangered
-ST: State-listed as threatened
-SCE: State candidate for listing
-FP: Fully protected species

Common Name	Scientific Name	Listing Status[10]	SDG&E HCP Amendment Covered Species?	Natural History	Potential to Occur in the Survey Area
Birds					
Bald eagle	*Haliaeetus leucocephalus*	SE, FP, USFSS, BGEPA	Yes	This species is a winter resident that occupies grasslands, woodlands, and forest habitats adjacent to large bodies of water or rivers. Large trees are used for nests, which are typically 50 to 200 feet above the ground surface. Breeding occurs from February through July. This species is known to nest in San Diego County in low numbers (CDFW 2025c).	Moderate-quality suitable foraging habitat consisting of riparian woodland is located within the survey area. Open water within the nearby Loveland Reservoir is also located within 0.3 mile of the survey area. Non-vegetated portions of the survey area within Loveland Reservoir may become open water in some years; however, water levels are subject to seasonal variation. Low-quality suitable nesting habitat is located within scattered black willows along Sweetwater River within the survey area. No CNDDB records of this species have been documented within five miles of the survey area, but the species has been recorded on eBird in the vicinity of Loveland Reservoir and Taylor Creek (eBird 2025). The nearest known active bald eagle nest is located adjacent to El Capitan Reservoir approximately 4.7 miles north of the survey area. This species was observed during the 2025 field survey as a fly-over. **Foraging: Present** **Nesting: Low Potential**
Bell's sparrow	*Amphispiza belli belli*	WL	No	This species is a year-round resident that occupies low, dense stands of vegetation in chaparral and desert scrub habitats during the breeding season, and less dense, arid shrub habitats in the winter. Breeding occurs from late March to mid-August. This species forages from the ground below and between shrubs. It feeds on insects, spiders, and seeds during the breeding season and primarily feeds on seeds in the winter (CDFW 2025c).	Moderate-quality suitable nesting and foraging habitat consisting of coastal sage/chaparral mix, chaparral, and coastal sage scrub is located within the survey area. The most recent SanBIOS record of this species was documented in 1998 within 0.2 mile of the survey area. **Foraging: Moderate Potential** **Nesting: Moderate Potential**
Brown pelican	*Pelecanus occidentalis*	USFSS	No	This species occupies estuarine, marine subtidal, and marine pelagic waters along the California coast (CDFW 2025c).	No suitable habitat for this species is located within the survey area, and the survey area is not within the elevation range of the species. No CNDDB records of this species have been documented within five miles of the survey area. **Foraging: Absent** **Nesting: Absent**
California spotted owl	*Strix occidentalis occidentalis*	SSC, USFSS	No	This species is a non-migratory resident that primarily nests within mature, multi-storied forests with complex structure, larger trees, multi-layered high canopy cover, and large amounts of coarse woody debris, while areas with higher heterogeneity of forest types and the edges between the forests are important as foraging habitat (USFWS 2022).	No suitable habitat for this species is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Foraging: Absent** **Nesting: Absent**
Coastal cactus wren	*Campylorhynchus brunneicapillus sandiegensis*	SSC, USFSS	Yes	This species is a non-migratory songbird that occupies coastal sage scrub and chaparral habitats extending from extreme northwestern Baja California through the coastal lowlands of San Diego County and into southern Orange County. A key habitat component is tall thickets of chollas (*Cylindropuntia* spp.) or prickly pear cacti (*Opuntia* spp.) to support nesting (CDFW 2025c).	Low-quality suitable nesting and foraging habitat consisting of coastal sage/chaparral mix, chaparral, and coastal sage scrub is located within the survey area. Dense stands of chollas or cacti are not present within the survey area. No recent CNDDB records have been documented within five miles of the survey area. The nearest historic CNDDB record was documented in 2003 within 2.5 miles of the survey area. **Foraging: Low Potential** **Nesting: Low Potential**

Common Name	Scientific Name	Listing Status[10]	SDG&E HCP Amendment Covered Species?	Natural History	Potential to Occur in the Survey Area
Coastal California gnatcatcher	*Polioptila californica californica*	FT, SSC	Yes	This species is a non-migratory songbird that primarily occupies coastal sage scrub habitat dominated by California sagebrush and California buckwheat. This species is more numerous near the sage scrub-grassland interface than the sage scrub-chaparral interface; and the species generally prefers densely vegetated coastal sage scrub below 1,000 feet in elevation over more open and sparsely vegetated sites (SDG&E 2023).	High-quality suitable nesting and foraging habitat consisting of coastal sage/chaparral mix, chaparral, and coastal sage scrub is located within the survey area. The nearest recent CNDDB record of this species was documented in 2017 within 2.4 miles of the survey area, and the nearest CNDDB record of this species was documented in 1997 within the survey area. One SanBIOS record of this species was documented in 2008 within 2.3 miles of the survey area. **Foraging: Moderate Potential** **Nesting: Moderate Potential**
Cooper's hawk	*Astur cooperii*	WL	No	This species is a year-round resident that occupies wooded areas, favoring dense oak and riparian habitats near water. The species primarily hunts small birds and mammals, and relies on dense cover for hunting. This species nests in deciduous trees or conifers (CDFW 2025c).	High-quality suitable nesting and foraging habitat consisting of woodlands, riparian forest, coast live oak forest, and coast live oak riparian forest is located within the survey area. The nearest CNDDB record of this species was documented in 1996 within the survey area. No recent CNDDB records of this species have been documented within five miles of the survey area. This species was observed during the 2025 field survey as a fly-over. **Foraging: Present** **Nesting: Moderate Potential**
Golden eagle	*Aquila chrysaetos*	FP, WL, BGEPA	Yes	This species forages within a variety of habitats and terrain, including grasslands, chaparral, coastal sage scrub, oak woodlands, and forests. This species nests in rugged, mountainous terrain, generally well away from human disturbance, primarily on cliff-walled canyons and occasionally in large trees in open areas (CDFW 2025c).	High-quality suitable foraging habitat consisting of non-native grassland, chaparral, coastal sage scrub, coastal sage/chaparral mix, and woodlands and forests is located within the survey area. Moderate-quality nesting habitat is located within one mile of the survey area on cliffs in the vicinity of Bell Bluff and on tall, isolated trees in the vicinity of Loveland Reservoir. Nesting activity at Bell Bluff territory has not been documented since 2000. Nesting activity at the Loveland Reservoir territory has not been documented since 2003 (SDG&E 2024). No CNDDB records of this species have been documented within five miles of the survey area. **Foraging: Moderate Potential** **Nesting: Low Potential**
Grasshopper sparrow	*Ammodramus savannarum*	SSC	No	This species is a migratory songbird and summer visitor that occupies dense grasslands consisting of taller forbs, scattered shrubs, and diverse grasses. This species occupies hillsides and mesas primarily in coastal southern California and forages on the ground and within low foliage in dense grasslands, primarily feeding on insects. This species typically arrives in southern California from March to May and departs in August or September (CDFW 2025c).	Low-quality suitable foraging and nesting habitat consisting of non-native grassland is located within the survey area. The most recent SanBIOS record of this species was documented in 2001 within 1.4 miles of the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Foraging: Low potential** **Nesting: Low potential**
Gray vireo	*Vireo vicinior*	SSC, USFSS	No	This species is a migratory songbird that typically occupies chaparral habitat in the Peninsular Ranges of California. The species is also found in other regions of the southwest, where it occupies chaparral, pinyon and juniper woodland, and sagebrush habitats. This species typically arrives in California in March and departs in August or September, except for a small portion of the population that winters in the Anza-Borrego Desert (CDFW 2025c).	Moderate-quality suitable foraging and nesting habitat consisting of chaparral habitat is located within the survey area. No CNDDB records have been documented within five miles of the survey area. One Sunrise Powerlink Project record of this species was documented in 2010 within the survey area. **Foraging: High Potential** **Nesting: High Potential**

Common Name	Scientific Name	Listing Status[10]	SDG&E HCP Amendment Covered Species?	Natural History	Potential to Occur in the Survey Area
Least Bell's vireo	*Vireo bellii pusillus*	FE, SE	Yes	This species is a migratory songbird that typically occupies riparian woodland habitat within or adjacent to wet areas and prefers areas that support an understory of dense young willows or mule fat, with a canopy of tall mature willows. This species typically arrives in San Diego County in March and departs for its wintering range in Mexico in late August or early September. Individuals exhibit high site tenacity and often return to the same territories over successive years. The breeding season generally lasts from April through July, and nests are usually constructed in low thickets along willow-dominated riparian habitat (SDG&E 2023).	Moderate-quality suitable nesting and foraging habitat consisting of coast live oak riparian forest, riparian forest, and riparian woodland is located within the survey area. The most recent CNDDB record of this species was documented in 2016 within 0.2 mile of the survey area, and the nearest CNDDB record of this species was documented in 2012 within the survey area. Additionally, this species was observed during the 2025 field survey. **Foraging: Present** **Nesting: Present**
Prairie falcon	*Falco mexicanus*	WL	No	This species is a year-round resident that occupies grasslands, agricultural fields, rangelands, and desert scrub habitats. The species typically uses sheltered cliff ledges for nesting (CDFW 2025c).	Moderate-quality suitable foraging habitat consisting of non-native grassland, buckwheat scrub, coastal sage scrub, and coastal sage/chaparral mix is located within the survey area. No suitable nesting habitat is located within the survey area. The nearest CNDDB record of this species was documented in 1980 within 4.4 miles of the survey area. The most recent CNDDB record of this species was documented in 1992 within 4.8 miles of the survey area. **Foraging: Moderate Potential** **Nesting: Absent**
Sharp-shinned hawk	*Accipiter striatus*	WL	No	This species is a winter resident and migrant throughout California. This species breeds in black oak, riparian deciduous, mixed conifer, Jeffrey pine, and Ponderosa pine habitats, though it prefers riparian habitats. This species requires north-facing slopes and plucking perches, occupying all habitats (excluding bare desert, open prairie, and alpine in the winter). This species feeds on small birds and primarily nests in dense, small stands of conifers near water (CDFW 2025c).	High-quality suitable nesting and foraging habitat consisting of riparian woodlands and forest is located within the survey area. The most recent SanBIOS record of this species was documented in 2014 within 2.6 miles of the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Foraging: Moderate Potential** **Nesting: Moderate Potential**
Southern California rufous-crowned sparrow	*Aimophila ruficeps canescens*	WL	No	This species is a year-round resident that occupies chaparral and coastal sage scrub habitats in California. The species prefers steep, rocky hillsides with grass and forb patches for foraging and nesting (CDFW 2025c).	High-quality suitable nesting and foraging habitat consisting of chaparral is located within the survey area. The nearest CNDDB record of this species was documented in 2003 within 0.5 mile of the survey area. The nearest recent CNDDB record of this species was documented in 2015 within 2.6 miles of the survey area. Additionally, one Sweetwater Authority record of this species was documented in 2003 within 0.1 mile of the survey area. **Foraging: Moderate Potential** **Nesting: Moderate Potential**
Southwestern willow flycatcher	*Empidonax traillii extimus*	FE, SE	Yes	This species is a migratory songbird that occupies riparian woodlands and thickets associated with the presence of very moist soil conditions and/or surface water, as well as thick understory vegetation often dominated by willows; however, migrants may be located among any larger trees or shrubs. Nesting sites are usually near a stream, standing water, or seep, and they are typically built 1.5 to 10 feet from the ground (SDG&E 2023).	Low-quality suitable nesting and foraging habitat consisting of riparian woodland and forest is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Foraging: Low Potential** **Nesting: Low Potential**
Swainson's hawk	*Buteo swainsoni*	ST	No	This species occurs in open grasslands, prairies, and farmlands that have nearby trees for nesting. It nests in bushes and in several tree species, including oak (*Quercus* spp.), willow, and eucalyptus, and this species usually nests in trees in riparian areas near open fields. This species primarily hunts small rodents, rabbits, birds, and reptiles during the breeding season. This species largely lives off insects, such as grasshoppers and beetles, during the non-breeding season. This species reproduces from March through April, has an incubation period of 34 to 35 days, and fledges six weeks later (CDFW 2025c).	Low-quality suitable nesting and foraging habitat consisting of riparian woodland, riparian forest, and non-native grassland is located within the survey area. No recent CNDDB records of this species are located within five miles of the survey area, and the nearest CNDDB record of this species was documented in 1920 within 3.8 miles of the survey area. **Foraging: Low Potential** **Nesting: Low Potential**

Common Name	Scientific Name	Listing Status[10]	SDG&E HCP Amendment Covered Species?	Natural History	Potential to Occur in the Survey Area
Tricolored blackbird	*Agelaius tricolor*	ST, SSC	Yes	This highly colonial species requires open water, protected nesting substrate, and foraging areas adjacent to the colony with insect prey. Breeding occurs near fresh water, often in emergent wetlands with tall, dense cattails (*Typha* spp.) or tules (*Schoenoplectus* spp.), but also in thickets of willow; blackberry (*Rubus* spp.); wild rose; or tall, dense forbs. Seeds and cultivated grains, such as rice and oats, compose most of its fall and winter diet. Tricolored blackbird forages on the ground in croplands, grassy fields, flooded land, and along the edges of ponds. The breeding season usually occurs from mid-April to late July (CDFW 2025c).	Low-quality suitable foraging habitat consisting of riparian woodland and forest is located within the survey area. No suitable nesting habitat is located within the survey area due to the absence of cattails or thickets near open water. No recent CNDDB records of this species have been documented within five miles of the survey area. The most recent and nearest CNDDB record of this species was documented in 2000 within 2.4 miles of the survey area. **Foraging: Low Potential** **Nesting: Absent**
Vermilion flycatcher	*Pyrocephalus rubinus*	SSC	No	This species is a year-round resident in California that nests in desert riparian habitat consisting of mesquite (*Prosopis* spp.), willow, cottonwood, and other vegetation adjacent to irrigated fields, pastures, and other open mesic areas. This species feeds on flying insects on the outer edges of low trees, shrubs, and tall herbs, and this species also forages for insects on the ground (CDFW 2025c).	Moderate-quality suitable foraging and nesting habitat consisting of riparian woodland and forest is located within the survey area. The most recent SanBIOS record of this species was documented in 1999 within 0.8 mile of the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Foraging: Moderate potential** **Nesting: Moderate potential**
Western yellow-billed cuckoo	*Coccyzus americanus occidentalis*	FT, SE, USFSS	Yes	This species is a rare summer visitor to San Diego County that occupies riparian woodland habitat consisting of willows, Fremont cottonwoods (*Populus fremontii*), narrow-leaf cottonwoods (*Populus angustifolia*), and mesquite. This species typically arrives in California and Arizona in late spring during the end of May and into July, departing for its wintering range in Mexico as late as October. Breeding of this migrant species has not been confirmed within San Diego County in decades (SDG&E 2023).	Low-quality suitable nesting and foraging habitat consisting of riparian woodland and forest is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Foraging: Low Potential** **Nesting: Low Potential**
White-tailed kite	*Elanus leucurus*	FP	No	This species is a year-round resident in coastal and valley lowlands, primarily near agricultural regions. This species feeds on rodents that are typically associated with agricultural crops, and this species occasionally feeds on other birds, insects, reptiles, amphibians, and mammals. Undisturbed farmland, grasslands, and wetlands serve as foraging ground where the species hovers above the ground to hunt prey. Breeding season occurs from February to October, with nests placed near the tops of dense willow, oak, and other tree stands (CDFW 2025c).	Low-quality suitable foraging habitat consisting of non-native grassland and buckwheat scrub is located within the survey area. Low-quality suitable nesting habitat consisting of riparian woodland and riparian forest is located within the survey area. One SanBIOS record of this species was documented in 2012 within 0.8 miles of the survey area. **Foraging: Low Potential** **Nesting: Low Potential**
Yellow-breasted chat	*Icteria virens*	SSC	No	This species is a migrant and summer resident in California that occurs within riparian habitat from sea level to approximately 5,000 feet elevation. Riparian habitats typically have a well-developed shrub layer and open canopy. This species typically occurs in California from late March to late September (CDFW 2025c).	High-quality suitable nesting and foraging habitat consisting of riparian forest, riparian woodland, and coast live oak riparian forest is located within the survey area. One CNDDB record of this species was documented in 1994 within four miles of the survey area. The nearest and most recent Sweetwater Authority record of this species was documented in 2003 within 0.1 mile of the survey area. This species was observed during the 2025 field survey. **Foraging: Present** **Nesting: Present**
Yellow rail	*Coturnicops noveboracensis)*	SSC, USFSS	No	This species is a rare year-round resident in California that breeds in sedge marshes/meadows with moist soil or shallow standing water. Wintering birds occupy wet meadows and coastal tidal marshes (CDFW 2025c).	No suitable habitat for this species is located within the survey area. One CNDDB record of this species was documented in 1998 within 4.1 miles of the survey area. Only two occurrences of this species are recorded in eBird within San Diego County: one north of the city of Santee and another in Mission Bay (eBird 2025). **Foraging: Absent** **Nesting: Absent**

Common Name	Scientific Name	Listing Status[10]	SDG&E HCP Amendment Covered Species?	Natural History	Potential to Occur in the Survey Area
Yellow warbler	*Setophaga petechia*	SSC	No	This species is a migratory songbird that typically breeds in riparian woodlands throughout San Diego County. This species typically feeds on insects and spiders. This species typically arrives in California in April, and most individuals have migrated by October (CDFW 2025c).	High-quality suitable nesting and foraging habitat consisting of riparian forest, riparian woodland, and coast live oak riparian forest is located within the survey area. No CNDDB records of this species are located within five miles of the survey area. The nearest and most recent Sweetwater Authority record of this species was documented in 2021 within 0.1 mile of the survey area. This species was observed during the 2025 field survey. **Foraging: Present** **Nesting: Present**
Crustaceans					
San Diego fairy shrimp	*Branchinecta sandiegonensis)*	FE	Yes	This species occurs in seasonally ponded waters, including vernal pools and road-ruts in Orange and San Diego counties, as well as adjacent northwestern Baja California. Habitat where vernal pools are likely found includes grasslands, agricultural areas, coastal sage scrub, and chaparral communities that contain tectonic swales or earth slump basins. Vernal pools in San Diego County where this species is known to occur include areas within Marine Corps Base Camp Pendleton and Marine Corps Air Station Miramar, as well as areas including Kearny Mesa, Del Mar Mesa, Lopez Ridge, Mira Mesa, Proctor Valley, and Otay Mesa (SDG&E 2023).	Although the survey area is within the geographic range of the species, suitable vernal pool habitat for this species is not located within the survey area. Additionally, no CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Fish					
Arroyo chub	*Gila orcutti*	SSC, USFSS	No	This species is a small cyprinid native to coastal drainages of Los Angeles, Orange, Riverside, and San Diego counties. Typically, this species is found in slow-moving sections of cool to warm (50 to 79°F) streams dominated by sand and silt substrates (O'Brien and Barabe 2022).	The survey area is not within the known range of this species. No CNDDB records of this species have been recorded within five miles of the survey area. **Absent**
Insects					
Crotch's bumble bee	*Bombus crotchii*	SCE	No	This species occurs in open grassland and scrub habitats and is frequently known to associate with plants in the Fabaceae, Apocynaceae, Asteraceae, Lamiaceae, and Boraginaceae families. This species primarily nests underground in soft, disturbed soil, under leaf litter, or within small mammal burrows (Williams et al. 2014).	High-quality suitable habitat consisting of coastal sage/chaparral mix, buckwheat scrub, non-native grassland, chaparral, and coastal sage scrub is located within the survey area. One CNDDB record of this species was documented in 2020 within 2.6 miles of the survey area. No Bumble Bee Watch Database records of this species have been documented within five miles of the survey area. **Moderate Potential**
Hermes copper butterfly	*Lycaena hermes*	FT, USFSS, HCPA	Yes	This species primarily occupies coastal sage scrub and chaparral habitats that support its larval host plant, spiny redberry, and other nectar sources for adult butterflies, such as California buckwheat, chamise, slender sunflower (*Helianthus gracilentus*), poison oak, and shortpod mustard (*Hirschfeldia incana*). Hermes copper butterfly individuals undergo diapause as eggs from late summer through winter, hatch in the spring, and spend their peak active period as adults foraging and breeding from May through July. During this active period, females lay eggs exclusively on spiny redberry shrubs. The Hermes copper butterfly is rarely found more than 100 yards from its larval host plant in a single season (SDG&E 2023).	High-quality suitable habitat consisting of buckwheat scrub, coastal sage/chaparral mix, chaparral, and coastal sage scrub is located within the survey area. The species' host plant was observed during the 2025 field survey. Additionally, the survey area is located within USFWS-designated critical habitat for this species. The nearest recent CNDDB record of this species was documented in 2005 within 0.3 mile of the survey area. The nearest and most recent Sunrise Powerlink Project record of this species was documented in 2011 within the survey area. **High Potential**

Common Name	Scientific Name	Listing Status[10]	SDG&E HCP Amendment Covered Species?	Natural History	Potential to Occur in the Survey Area
Monarch butterfly	*Danaus plexippus*	FPT, USFSS	No	This species occurs in overwinter roost sites extending along the coast of North America from northern Mendocino in California to Baja California in Mexico. Overwintering sites are typically located in wind-protected tree groves of eucalyptus, Monterey pine (*Pinus radiata*), or cypress (Cupressaceae) with nectar and water sources nearby. This species requires milkweed (*Asclepias* spp.), its larval host plant, for breeding (USFWS 2024a).	Suitable habitat for this species consisting of coastal sage/chaparral mix, chaparral, coastal sage scrub, non-native grassland, woodlands, and buckwheat scrub is located within the survey area. The species' host plant was not observed during the field surveys. No CNDDB records of this species or overwintering sites have been documented within five miles of the survey area. The survey area is within the geographic migratory/breeding range of this species; however, environmental conditions within the survey area are not suitable for overwintering. This species was observed during the 2025 field survey. **Overwintering: Absent** **Migratory/Breeding: Present**
Quino checkerspot butterfly	*Euphydryas editha quino*	FE	No[11]	This species occurs in scrublands; patchy shrub or small tree landscapes with openings between large plants, or landscapes of open swales alternating with dense patches of shrubs. This species primarily occupies coastal sage scrub, chaparral, and desert scrub with 50 percent shrub cover or less. Adults deposit eggs on several species of annual host plants, including dot-seed plantain (*Plantago erecta*), Patagonia plantain (*Plantago patagonica*), Coulter's snapdragon (*Antirrhinum coulterianum*), and *Collinsia* spp. There is usually one generation of adults per year, although larvae may remain in diapause (i.e., summer dormancy) for multiple years prior to maturation (SDG&E 2007).	Moderate-quality suitable habitat for this species consisting of coastal sage scrub is located within the survey area. Additionally, the species' host plant was observed during the 2025 field survey. The nearest recent CNDDB record of this species was documented in 2017 within 4.1 miles of the survey area. The nearest historic CNDDB record was documented in 2003 within the survey area. **Moderate Potential**
Mammals					
American badger	*Taxidea taxus*	SSC	No	This species is an uncommon, permanent resident in California, thriving in drier, open habitats with friable soils. This species primarily feeds on fossorial rodents and digs burrows for cover and reproduction (CDFW 2025c).	Moderate-quality suitable habitat consisting of coastal sage scrub, non-native grassland, and buckwheat scrub is located within the survey area. The nearest and most recent CNDDB record was documented in 2014 within 0.5 mile of the survey area. **High Potential**
Big free-tailed bat	*Nyctinomops macrotis*	SSC	No	This species is a rare, year-round resident in California, primarily occupying rugged, rocky canyons. This species roosts in buildings, caves, and occasionally holes in trees, and this species feeds mainly on large moths (CDFW 2025c).	Moderate-quality suitable foraging and roosting habitat consisting of chaparral is located within the survey area. One CNDDB record of this species was documented in 1989 within 2.5 miles of the survey area. **Roosting: Moderate Potential** **Foraging: Moderate Potential**
Fringed myotis	*Myotis thysanodes*	USFSS	No	This species is widespread year-round in California but it prefers pinyon and juniper woodland, valley-foothill hardwood, and hardwood conifer habitats. This species roosts in caves, mines, buildings, and crevices. This species feeds mostly on beetles, but also on moths, arachnids, and orthopterans (CDFW 2025c).	Moderate-quality suitable foraging and roosting habitat is located throughout the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Roosting: Moderate Potential** **Foraging: Moderate Potential**
Mexican long-tongued bat	*Choeronycteris mexicana*	SSC	No	This species is found within the southwestern U.S. and is rare to irregular in southern California. The species sometimes migrates into Mexico for the winter and is found in desert shrublands, deep mountain canyons with dense riparian vegetation, montane oak-conifer woodlands and forests, and tropical deciduous forests. This species roosts in caves, rock fissures, old mines, and buildings (on rare occasions). Food sources include nectar, fruits and pollen primarily from mainly from columnar cacti, agave, and *Fouquieria* spp. (Nature Serve 2025).	Moderate-quality suitable habitat consisting of landscaped/ornamental habitat is located within the survey area. One CNDDB record of this species was documented in 1996 within 3.9 miles of the survey area. **Roosting: Moderate Potential** **Foraging: Moderate Potential**

[11] The Quino checkerspot butterfly is covered independently under SDG&E's Quino Checkerspot Butterfly Low-Effect Habitat Conservation Plan.

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Pallid bat	*Antrozous pallidus*	SSC, USFSS	No	This is a locally common species in low-elevation areas of California. This species occupies a wide variety of habitats, including grasslands, shrublands, woodlands, and forests. This species roosts in caves, crevices, and mines, and occasionally in hollow trees and buildings. This species feeds on a wide variety of insects and arachnids (CDFW 2025c).	Moderate-quality suitable habitat consisting of riparian woodland, riparian forest, coast live oak forest, coast live oak riparian forest, buckwheat scrub, non-native grassland, coastal sage scrub, chaparral, and coastal sage/chaparral mix is located within the survey area. The nearest CNDDB record of this species was documented in 1974 within 2.5 miles of the survey area. The most recent CNDDB record of this species was documented in 2002 within 2.8 miles of the survey area. **Roosting: Moderate Potential** **Foraging: Moderate Potential**
Pocketed free-tailed bat	*Nyctinomops femorosaccus*	SSC	No	This species is a year-round resident in California, occupying pinyon and juniper woodland, desert scrub, desert succulent shrub, desert riparian, desert wash, alkali desert scrub, Joshua tree, and palm oasis habitats. This species roosts in rock crevices in cliffs, and this species forages on flying insects (CDFW 2025c).	Moderate-quality suitable foraging habitat consisting of coastal sage/chaparral mix, chaparral, and coastal sage scrub is located within the survey area. The nearest CNDDB record of this species was documented in 2002 within 0.4 mile of the survey area. The most recent CNDDB record of this species was documented in 2003 within two miles of the survey area. **Roosting: Absent** **Foraging: Moderate Potential**
San Diego desert woodrat	*Neotoma lepida intermedia*	SSC	No	This species occupies a variety of habitat and is common to abundant in Joshua tree, pinyon and juniper woodland, mixed and chamise-redshank chaparral, and sagebrush habitats, as well as most desert habitats. Within coastal scrub habitats, the species prefers live oak, chamise, and buckwheat as food plants (CDFW 2025c).	Moderate-quality suitable habitat consisting of buckwheat scrub, coastal sage scrub, chaparral, and coastal sage/chaparral mix is located within the survey area. The nearest CNDDB record of this species was documented in 1994 within the survey area. The most recent CNDDB record of this species was documented in 2006 within 4.5 miles of the survey area. **Moderate Potential**
Townsend's big-eared bat	*Corynorhinus townsendii*	SSC, USFSS	No	This species is a year-round resident in California, occupying a variety of habitats. This species roosts in caves, mines, tunnels, buildings, or other human-made structures for roosting, and this species forages primarily on small moths (CDFW 2025c).	Moderate-quality suitable habitat consisting of riparian woodland, riparian forest, coast live oak forest, coast live oak riparian forest, buckwheat scrub, non-native grassland, coastal sage scrub, chaparral, and coastal sage/chaparral mix is located within the survey area. The nearest CNDDB record of this species was documented in 1963 within 1.5 miles of the survey area. The nearest recent CNDDB record of this species was documented in 2010 within 4.9 miles of the survey area. **Roosting: Moderate Potential** **Foraging: Moderate Potential**
Western mastiff bat	*Eumops perotis californicus*	SSC	No	This species is an uncommon, year-round resident in California, occupying conifer and deciduous woodlands, coastal scrub, annual and perennial grasslands, palm oases, chaparral, desert scrub, and urban habitats. This species roosts in crevices in cliff faces, high buildings, trees, and tunnels, and this species forages on a variety of flying insects (CDFW 2025c).	Moderate-quality suitable habitat consisting of riparian woodland, riparian forest, coast live oak forest, coast live oak riparian forest, buckwheat scrub, non-native grassland, coastal sage scrub, chaparral, and coastal sage/chaparral mix is located within the survey area. The nearest CNDDB record of this species was documented in 2002 within 0.4 mile of the survey area. The most recent CNDDB record of this species was documented in 2003 within two miles of the survey area. **Roosting: Moderate Potential** **Foraging: Moderate Potential**

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Western red bat	*Lasiurus frantzii*	SSC	No	This species is a year-round resident in California, but the species may migrate within the state between winter and summer. This species occupies grasslands, shrublands, open woodlands and forests, and agricultural habitats. This species primarily roosts in trees that are in edge habitats. This species forages on a variety of flying insects (CDFW 2025c).	Moderate-quality suitable habitat consisting of oak woodland, riparian woodland, riparian forest, coast live oak forest, coast live oak riparian forest, buckwheat scrub, non-native grassland, coastal sage scrub, chaparral, and coastal sage/chaparral mix is located within the survey area. One CNDDB record of this species was documented in 2002 within 2.4 miles of the survey area. **Roosting: Moderate Potential** **Foraging: Moderate Potential**
Western yellow bat	*Lasiurus xanthinus*	SSC	No	This species is a year-round resident in California, occupying valley-foothill riparian, desert riparian, desert wash, and palm oasis habitats. This species roosts in trees, particularly palms, and this species forages on flying insects, usually over water and among trees (CDFW 2025c).	Moderate-quality suitable habitat consisting of riparian woodland, riparian forest, coast live oak forest, and coast live oak riparian forest is located within the survey area. The nearest CNDDB record of this species was documented in 1979 within 2.7 miles of the survey area. The most recent CNDDB record of this species was documented in 1995 within 3.3 miles of the survey area. **Roosting: Moderate Potential** **Foraging: Moderate Potential**
Mollusks					
Warner Spring shoulderband snail	*Rothelix warnerfontis*	USFSS	No	This species is known only to occur within a ravine just below Lost Valley Spring near Warner Springs (CDFW 2025c).	The survey area is not within the geographic range of the species. No CNDDB records of this species have been recorded within five miles of the survey area. **Absent**
Reptiles					
California glossy snake	*Arizona elegans occidentalis*	SSC	No	This species is most common in desert habitats, but the species also occurs in chaparral, sagebrush, valley-foothill hardwood, pine-juniper, and annual grass habitats. This species is primarily nocturnal and feeds mainly on a variety of lizards (CDFW 2025c).	High-quality suitable habitat consisting of buckwheat scrub, non-native grassland, coastal sage scrub, chaparral, and coastal sage/chaparral mix is located within the survey area. The nearest recent CNDDB record of this species was documented in 2016 within 3.6 miles of the survey area. The nearest historic CNDDB record of this species was documented in 1933 within 0.7 mile of the survey area. **Moderate Potential**
Coast horned lizard	*Phrynosoma blainvillii*	SSC	Yes	This species occupies a variety of habitat in San Diego County, including annual grassland, coastal sage scrub, chaparral, and woodland habitats. This species primarily forages on native ant populations. This species prefers open country, especially washes, floodplains, and other sandy areas (SDG&E 2023).	Moderate-quality suitable habitat consisting of woodlands, buckwheat scrub, non-native grassland, coastal sage scrub, chaparral, and coastal sage/chaparral mix is located within the survey area. The nearest recent CNDDB record of this species was documented in 2007 within 1.2 miles of the survey area. The nearest historic CNDDB record of this species was documented in 2004 within the survey area. The nearest and most recent Sunrise Powerlink Project record of this species was documented in 2010 within the survey area. This species was observed during the 2025 field survey. **Present**
Coast patch-nosed snake	*Salvadora hexalepis virgultea*	SSC	No	This species occupies chaparral and coastal scrub habitats, and this species primarily feeds on lizards. This species is most active in May and June (Thompson et al. 2016).	High-quality suitable habitat consisting of buckwheat scrub, coastal sage scrub, chaparral, and coastal sage/chaparral mix is located within the survey area. One CNDDB record of this species was documented in 1996 within the survey area. This species was observed during the 2025 field survey. **Present**

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Coastal rosy boa	*Lichanura orcutti*	USFSS	No	This species occupies arid scrublands, semi-arid shrublands, rocky shrublands, rocky deserts, canyons, and other rocky areas. This species feeds on rodents, small birds, lizards, small snakes, and amphibians (California Herps 2025b).	High-quality suitable habitat consisting of coastal sage scrub, chaparral, and coastal sage/chaparral mix is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. This species was observed during the 2025 field survey. **Present**
Coastal whiptail	*Aspidoscelis tigris stejnegeri*	SSC	No	This species occupies coastal sage scrub, chaparral, riparian areas, woodlands, and rocky areas. This diurnal lizard feeds on insects, spiders, scorpions, as well as other small arthropods, including larvae stages (Thompson et al. 2016).	High-quality suitable habitat consisting of woodlands, riparian forest, coast live oak forest, coast live oak riparian forest, buckwheat scrub, coastal sage scrub, chaparral, and coastal sage/chaparral mix is located within the survey area. The nearest CNDDB record of this species was documented in 1996 within 1.3 miles of the survey area. No recent CNDDB records of this species have been documented within five miles of the survey area. This species was observed during the 2025 field survey. **Present**
Coronado skink	*Plestiodon skiltonianus interparietalis*	WL	No	This species occupies a variety of habitats favoring early successional stages or open areas. This species primarily feeds on insect eggs, adult and larval beetles, caterpillars, moths, grasshoppers, crickets, insect larvae, ants, spiders, centipedes, and sow bugs (CDFW 2025c).	Moderate-quality suitable habitat consisting of buckwheat scrub, non-native grassland, coastal sage scrub, chaparral, and coastal sage/chaparral mix is located within the survey area. The nearest CNDDB record of this species was documented in 1996 within 1.3 miles of the survey area. No recent CNDDB records of this species have been documented within five miles of the survey area. The nearest and most recent Sunrise Powerlink Project record of this species was documented in 2011 within the survey area. **High Potential**
Orange-throated whiptail	*Aspidoscelis hyperythra*	WL, USFSS	No	This species is a diurnal lizard found in low-elevation coastal scrub, chamise-redshank chaparral, mixed chaparral, and valley-foothill hardwood habitats. The species prefers washes and other sandy areas with patches of brush and rocks, and this species primarily feeds on small arthropods (CDFW 2025c).	High-quality suitable habitat consisting of buckwheat scrub, coastal sage scrub, chaparral, and coastal sage/chaparral mix is located within the survey area. The nearest recent CNDDB record of this species was documented in 2007 within 1.2 mile of the survey area. The nearest historic CNDDB record of this species was documented in 1996 within the survey area. The nearest and most recent Sweetwater Authority record of this species was documented in 2021 within the survey area. The nearest and most recent Sunrise Powerlink Project record of this species was documented in 2010 within the survey area. **High Potential**
Red-diamond rattlesnake	*Crotalus ruber*	SSC, USFSS	No	This species occupies chaparral, woodland, and arid desert habitats in rocky areas and dense vegetation and feeds on rabbits, rodents, lizards, birds, and other snakes (CDFW 2025c).	High-quality suitable habitat consisting of woodlands, riparian forest, coast live oak forest, coast live oak riparian forest, buckwheat scrub, non-native grassland, coastal sage scrub, chaparral, and coastal sage/chaparral mix is located within the survey area. The nearest and most recent CNDDB record of this species was documented in 2011 within the survey area. This species was observed during the 2025 field survey. **Present**
San Diego banded gecko	*Coleonyx variegatus abbotti*	SSC	No	This species is restricted to rocky areas within coastal sage and chaparral habitat. This species is nocturnal, seeking shelter under rocks or in burrows, and this species feeds on small invertebrates (Thompson et al. 2016).	High-quality suitable habitat consisting of buckwheat scrub, coastal sage scrub, chaparral, and coastal sage/chaparral mix is located within the survey area. One CNDDB record of this species was documented in 2017 within 3.8 miles of the survey area. **Moderate Potential**

Common Name	Scientific Name	Listing Status[10]	SDG&E HCP Amendment Covered Species?	Natural History	Potential to Occur in the Survey Area
San Diego mountain kingsnake	*Lampropeltis zonata pulchra*[12]	USFSS	No	This species occurs in a variety of habitats including valley-foothill hardwood, and hardwood-conifer, mixed and montane chaparral, valley-foothill riparian, coniferous forests, and wet meadows. This species feeds on lizards, smaller snakes, nestling birds and bird eggs, and small mammals (CDFW 2025c).	High-quality suitable habitat consisting of riparian woodland, riparian forest, coast live oak forest, coast live oak riparian forest is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
San Diego ringneck snake	*Diadophis punctatus similis*	USFSS	No	This species is most common in open, relatively rocky areas within valley-foothill, mixed chaparral, and annual grass habitats. This species feeds on earthworms, salamanders, treefrogs, small lizards, and small snakes (CDFW 2025c).	High-quality suitable habitat consisting of buckwheat scrub, non-native grassland, coastal sage scrub, chaparral, and coastal sage/chaparral mix is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Southern California legless lizard	*Anniella stebbinsi*	SSC, USFSS	No	This species is found in sparsely vegetated areas of beach dunes, chaparral, pine-oak woodlands, desert scrub, sandy washes, and stream terraces with sycamores, cottonwoods, or oaks. Soil moisture and loose textured soils are key habitat components. This species feeds primarily on insect larvae, beetles, termites, and spiders (California Herps 2025c, CDFW 2025c).	High-quality suitable habitat consisting of coastal sage scrub, chaparral, and coastal sage/chaparral mix, riparian woodland, riparian forest, coast live oak riparian forest is located within the survey area. The nearest recent CNDDB record of this species was documented in 2011 within the survey area. The nearest and most recent Sunrise Powerlink Project record of this species was documented in 2011 within 0.5 mile of the survey area. **High Potential**
Southwestern pond turtle	*Actinemys pallida*	FPT, SSC, USFSS	Yes	This species typically occurs at elevation ranges from near sea level to 4,690 feet. The species is associated with permanent or nearly permanent water in a wide variety of habitat types. Pond turtles require basking sites, such as partially submerged logs, rocks, mats of floating vegetation, or open mud banks. This species also requires upland habitat that is suitable for nesting and overwintering. The home range is normally quite restricted. During the spring or early summer, females move overland for up to 325 feet to find suitable sites for egg-laying (SDG&E 2023).	High-quality suitable aquatic breeding habitat consisting of riparian woodland and riparian forest associated with Loveland Reservoir, Sweetwater River, and Taylor Creek is located within the survey area. High-quality suitable upland nesting and overwintering habitat consisting of coast live oak forest, buckwheat scrub, non-native grassland, coastal sage scrub, chaparral, and coastal sage/chaparral mix is located with the survey area adjacent to suitable aquatic breeding habitat. The nearest and most recent CNDDB record of this species was documented in 2010 within 2.3 miles of the survey area. **Aquatic/Breeding: Moderate Potential** **Upland: Moderate Potential**
Two-striped gartersnake	*Thamnophis hammondii*	SSC, USFSS	No	This species is often found in or near permanent and intermittent freshwater streams, creeks, and pools. Associated habitats include willow, oak woodlands, cedar, coastal sage scrub, sparse pine, scrub oak, and chaparral. This species feeds on a variety of prey including fish, fish eggs, frogs, salamanders, leeches, and earthworms (Thompson et al. 2016).	High-quality suitable habitat consisting of coastal sage scrub, chaparral, and coastal sage/chaparral mix, woodlands, riparian forest, coast live oak riparian forest is located within the survey area. The nearest recent CNDDB record of this species was documented in 2008 within one mile of the survey area. One Sweetwater Authority record of this species was documented in 2021 within 0.2 mile of the survey area. One Sunrise Powerlink Project record of this species was documented in 2010 within 0.1 mile of the survey area. **High Potential**

Sources: California Herps 2025a, California Herps 2025b, California Herps 2025c, CDFW 2025c, Nature Serve 2025, O'Brien and Barabe 2022, SDG&E 2007, SDG&E 2023, Thomson et al. 2016, USFWS 2022, USFWS 2023, and Williams et al. 2014.

[12] This species is also known as *Lampropeltis multifasciata*.

Coastal Rosy Boa

A coastal rosy boa was observed within chaparral habitat just east of Japatul Road during the 2025 field survey. This chaparral habitat is dominated by chamise and mission manzanita and located within the CNF.

Coastal Whiptail

A coastal whiptail was observed within coastal sage scrub habitat during the 2025 field survey. This coastal sage scrub habitat is dominated by San Diego County viguiera and California sagebrush and located on a steep slope south of the unincorporated community of Alpine.

Cooper's Hawk

A Cooper's hawk was observed flying over the survey area northwest of Dehesa Road towards Hawks Vista Lane during the 2025 field survey. The individual was later observed perching on scrub north of the survey area near residential buildings. Foraging and nesting habitat consisting of woodlands, riparian forest, coast live oak forest, and coast live oak riparian forest is located within the survey area.

Least Bell's Vireo

A least Bell's vireo was heard singing in the vicinity of Taylor Creek during the 2025 field survey. Habitat within Taylor Creek consists of riparian forest bordered by strips of coast live oak riparian forest to either side. Nesting and foraging habitat consisting of shrubs and trees of various heights (including willows, elderberry, and mulefat) is located along the banks of the creek.

Monarch Butterfly

Monarch butterflies were observed multiple times in landscaped/ornamental vegetation during the 2025 field survey. This species was likely migrating through the survey area and utilizing flowering plants within landscaped areas for nectar. No host plants (i.e., milkweed) were observed during the field survey. Floral resources with nectar are available throughout the survey in a wide range of habitats.

Red-Diamond Rattlesnake

Red-diamond rattlesnakes were observed multiple times within coastal sage scrub and chaparral habitat during the 2025 field survey. This coastal sage scrub habitat is dominated by San Diego County viguiera, deerweed, California buckwheat, and California sagebrush. This habitat is located primarily south of the unincorporated community of Alpine, but it is also found in patches near the unincorporated community of Crest. Chaparral habitat becomes more common in the eastern portion of the survey area, where this species was observed within chaparral dominated by chamise.

Yellow-Breasted Chat

A yellow-breasted chat was heard singing and then was visually observed in the vicinity of Sweetwater River during the 2025 field survey. Nesting and foraging habitat within Sweetwater

River consists of scattered willows. The shrub layer in this portion of the river is limited, likely due to the variable water levels within Loveland Reservoir.

Yellow Warbler

Yellow warblers were heard singing in the vicinity of Taylor Creek during the 2025 field survey. Habitat within Taylor Creek consists of riparian forest bordered by strips of coast live oak riparian forest to either side. Nesting and foraging habitat consisting of shrubs and trees of various heights (including willows, elderberry, and mulefat) is located along the banks of the creek.

6.5 CRITICAL HABITAT

USFWS-designated critical habitat for arroyo toad and Hermes copper butterfly is located within the survey area. In total, the proposed alignment will cross 0.76 mile of arroyo toad critical habitat. The survey area overlaps 27.57 acres of arroyo toad critical habitat, which is associated with Taylor Creek and Sweetwater River, where these features flow into the eastern portion of Loveland Reservoir.

In total, the proposed alignment will cross 3.11 miles of Hermes copper butterfly critical habitat, and the survey area overlaps 129.57 acres of Hermes copper butterfly critical habitat. Hermes copper butterfly critical habitat overlaps the survey area at four discrete locations throughout the survey area: within Endangered Habitats Conservancy, a non-profit organization; within private lands along La Cresta Road; within the Sweetwater Authority-managed land northeast of Loveland Reservoir; and within CNF lands along Japatul Road and in the vicinity of the existing Suncrest Substation.

Additionally, critical habitat for coastal California gnatcatcher, least Bell's vireo, San Diego ambrosia, and San Diego thornmint is located within five miles of the survey area, but this critical habitat does not overlap the survey area. The coastal California gnatcatcher critical habitat nearest to the survey area is located in the vicinity of McGinty Mountain approximately 1.5 miles south of the survey area, and in the vicinity of El Captain Reservoir and Lake Jennings approximately 2.9 miles north of the survey area. Least Bell's vireo and San Diego ambrosia critical habitat are located near Sweetwater River, approximately 4.8 miles southwest of the survey area. San Diego thornmint critical habitat is located in the vicinity of McGinty Mountain approximately 3.9 miles south of the survey area, and in the vicinity of Viejas Mountain approximately three miles north of the survey area. Critical habitat located within five miles of the survey area is depicted in Figure 2: Critical Habitat within the Vicinity of the Proposed Project.

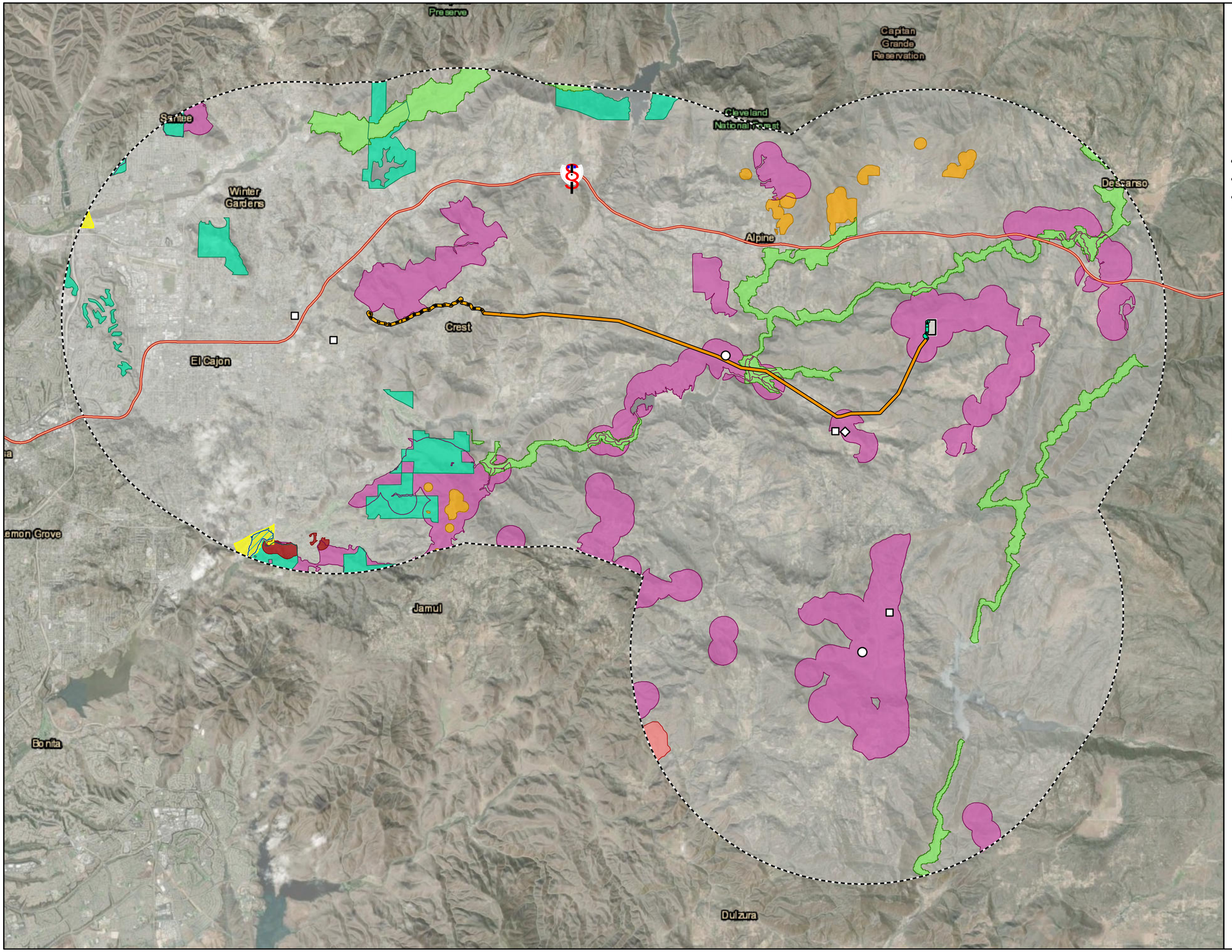


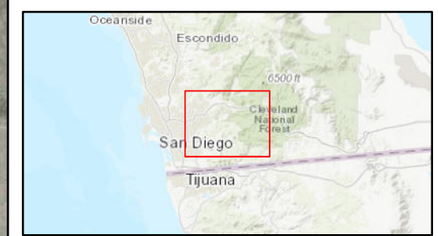
Figure 2:
Critical Habitat within the Vicinity of the Proposed Project

Suncrest
230 Kilovolt Loop-In Project

- Fly Yard
- Staging Yard
- Staging/Fly Yard
- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Proposed 230 kV Western UG Segment
- Existing Suncrest Substation
- 5-Mile Buffer

Critical Habitat

- Arroyo Toad (*Anaxyrus californicus*)
- Coastal California Gnatcatcher (*Polioptila californica californica*)
- Hermes Copper Butterfly (*Lycaena hermes*)
- Least Bell's Vireo (*Vireo bellii pusillus*)
- San Diego Ambrosia (*Ambrosia pumila*
- San Diego Thorn-mint (*Acanthomintha ilicifolia*)
- Southwestern Willow Flycatcher (*Empidonax traillii extimus*)
- Quino Checkerspot Butterfly (*Euphydryas editha quino*)



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6.6 NATIVE WILDLIFE CORRIDOR AND NURSERY SITES

The California Essential Habitat Connectivity Project maintains a statewide Essential Habitat Connectivity Map, which broadly depicts large, relatively natural habitat blocks that support native biodiversity (Natural Landscape Blocks) and areas essential for ecological connectivity between them (Spencer et al. 2010). Within the survey area, Natural Landscape Blocks are crossed by the proposed western underground alignment in the western portion of the survey area just west of the unincorporated community of Crest. This portion of the survey area provides connectivity between open space surrounding McGinty Mountain to the south of the survey area and the Crestridge Ecological Reserve to the north of the survey area. Natural Landscape Blocks are also crossed in the eastern portion of the survey area. Within the survey area, the Natural Landscape Block extends from Sweetwater River to the existing Suncrest Substation. This portion of the survey area provides connectivity between CNF-managed lands that extend throughout eastern San Diego County. In total, the proposed western and eastern underground segments will cross approximately 1.67 miles of Natural Landscape Blocks and the proposed overhead segment will cross approximately 4.63 miles of Natural Landscape Blocks.

The greatest barriers to wildlife movement include urbanized areas associated with the unincorporated communities of Crest and Alpine, which overlap the survey area. In total, the survey area overlaps 276.96 acres of Natural Landscape Blocks.

The Proposed Project lies within the Pacific Flyway—an important north-south migration corridor that runs along the Pacific coast of the Americas from Alaska to Patagonia, including all of North America west of the Rocky Mountains. The Pacific Flyway links breeding grounds to the north with wintering areas to the south and is used by many different species of birds during migration.

The nearest Important Bird Area (IBA) designated by Audubon California is located approximately 2.10 miles to the south of the survey area in the vicinity of McGinty Mountain. This IBA extends to the south and is within the San Diego National Wildlife Refuge (Audubon 2025).

Within the survey area, high-quality riparian habitats are located along drainages, including Taylor Creek and Sweetwater River. The riparian habitats support breeding least Bell’s vireo and likely function as important stopover habitat for migratory birds. These riparian habitats likely function as movement corridors for terrestrial wildlife as well. The survey area also overlaps large areas of relatively intact coastal sage scrub and chaparral habitats, which likely support coastal sage scrub-dependent species (e.g., coastal California gnatcatcher). Many bird species, including waterfowl and wading birds, likely utilize Loveland Reservoir, which is located adjacent to the survey area. The survey area does not occur in any nursery sites.

6.7 FOCUSED AND PROTOCOL-LEVEL SURVEY ASSESSMENT

During the reconnaissance-level field survey, suitable habitat was identified for the following eight special-status wildlife species for which there are focused or protocol-level survey methods:

- arroyo toad,
- coastal California gnatcatcher,
- Crotch's bumble bee,
- Hermes copper butterfly,
- least Bell's vireo,
- Quino checkerspot butterfly,
- southwestern pond turtle, and
- western spadefoot.

6.7.0 Arroyo Toad

Suitable habitat for this species is located within the survey area where it is crossed by Taylor Creek and Sweetwater River. Habitat within this portion of the survey area includes low-gradient stream segments with sandy substrates that support the formation of shallow pools and sparsely vegetated sand bars for breeding and rearing of tadpoles and juveniles. Adjacent upland habitat is also undeveloped in this area and would provide loose soil where toads can burrow underground, as well as foraging and living areas for juvenile and adult arroyo toads.

6.7.1 Coastal California Gnatcatcher

Suitable habitat for this species is located throughout the survey area within coastal sage scrub habitat dominated by California buckwheat and California sagebrush. Suitable habitat is more prevalent in the western portion of the survey area and decreases in the eastern portion of the survey area as chaparral habitat increases in prevalence and as elevation increases.

6.7.2 Crotch's Bumble Bee

Suitable habitat for this species is located throughout the survey area where floral resources are located. Suitable habitat for this species was observed along riparian areas, non-native grassland, and openings within coastal sage scrub where floral resources were more diverse and abundant. Additionally, suitable habitat was observed within coastal sage scrub habitat dominated by Munz's sage and California buckwheat. Small mammal burrows, rock crevices, and downed trees are also located within this habitat and provide nest sites for the species. During the survey, two other bumble bee species were observed incidentally foraging on Munz's sage and Menzies' fiddleneck (*Amsinckia menziesii*), which suggests that this species may also occur.

6.7.3 Hermes Copper Butterfly

Suitable habitat for this species consisting of spiny redberry near California buckwheat is located throughout the survey area, particularly within buckwheat scrub and coastal sage scrub habitats located northeast of Loveland Reservoir.

6.7.4 Least Bell's Vireo

Suitable habitat for this species is located within the survey area where it is crossed by Taylor Creek, Harbison Canyon Creek, and Sweetwater River. The habitat within these riparian areas is multilayered with coast live oaks and willows typically in the overstory and mulefat, desert wild grape (*Vitis girdiana*), willows (*Salix* spp.), elderberry, giant reed (*Arundo donax*), or poison oak in the understory. The aquatic resources supporting these riparian areas are also perennial and support pools or flowing water throughout the year.

6.7.5 Quino Checkerspot Butterfly

Suitable habitat for this species consisting of coastal sage scrub and chaparral habitat is located throughout the survey area. Higher-quality habitat was typically observed within coastal sage scrub habitat as the chaparral habitat within the survey area is dense and lacks openings where the species' host plants could grow. Both *Collinsia* spp. and *Plantago* spp. were observed within openings in coastal sage scrub habitat and within disturbed habitat along roads. A large portion of the survey area is also within the Quino Checkerspot Butterfly Mapped Area as defined by the Quino LEHCP.

6.7.6 Southwestern Pond Turtle

Suitable aquatic habitat for this species consisting of open water within Sweetwater River is located within the survey area. The extent of open water likely fluctuates as a result of water management within Loveland Reservoir. These fluctuations have resulted in large areas of non-vegetated landcover adjacent to the open water. Suitable upland habitat is located adjacent to Sweetwater River within coastal sage scrub and coast live oak riparian forest habitats. Soils in this upland habitat are friable and suitable for nesting.

6.7.7 Western Spadefoot

Suitable aquatic habitat for this species consisting of ephemeral, intermittent, and perennial drainages and one small pond are located throughout the survey area. Pools of water that likely persist for more than 30 days were observed within many drainages where breeding could occur. Suitable upland habitat—typically coastal sage scrub or chaparral—is also present adjacent to the aquatic habitat. Sandy loams are the predominant soil type within the survey area, which is a preferred substrate for aestivation.

7 – RECOMMENDATIONS

This section provides recommendations for surveys to better assess presence or absence within the survey area for special-status species, particularly those listed under the FESA or CESA.

7.0 PROTOCOL-LEVEL/FOCUSED SURVEYS

7.0.0 Botanical Field Surveys

Due to minimal rainfall during the rainy season prior to surveys, additional botanical field surveys should be conducted within proposed work areas with potential to support special-status plant species (i.e., those areas within natural vegetation communities). Areas consisting of developed areas or landscaped/ornamental vegetation that do not provide suitable habitat for

special-status plants are not proposed for additional botanical field surveys. All special-status plant species with potential to occur will be targeted during focused surveys. Surveys should be conducted in accordance with guidance from CNPS (2001), the CDFW (2009), and the USFWS (2000).

7.0.1 Species-Specific Surveys

As described in Section 6.7 Focused and Protocol-Level Survey Assessment, multiple species for which there are focused or protocol-level survey methods have suitable habitat within the survey area. Based on the presence of habitat and the potential to occur, additional focused or protocol-level surveys are recommended to determine the presence or absence of these species. These focused or protocol-level surveys should include the following species:

- arroyo toad,
- coastal California gnatcatcher,
- Crotch's bumble bee,
- Hermes copper butterfly,
- least Bell's vireo,
- Quino checkerspot butterfly,
- southwestern pond turtle, and
- western spadefoot.

Focused and protocol-level surveys should be conducted according to the most current guidelines as follows:

- Survey Protocol for the Arroyo Toad (USFWS 1999),
- Coastal California Gnatcatcher (*Polioptila californica californica*) Presence/Absence Survey Protocol (USFWS 2019),
- Survey Considerations for California Endangered Species Act (CESA) Candidate Bumble Bee Species (CDFW 2023),
- Hermes Copper Butterfly Survey Protocol (USFWS 2024b),
- Least Bell's Vireo Survey Guidelines (USFWS 2001),
- Quino Checkerspot Butterfly Survey Guidelines (USFWS 2014),
- USGS Western Pond Turtle (*Emys marmorata*) Visual Survey Protocol for the Southcoast Ecoregion (USGS 2006a), and
- USGS Aquatic species and habitat assessment protocol for south coast ecoregion rivers, streams, and creeks (USGS 2006b).

Alternatively, these species could be assumed present within suitable habitat. To verify compliance with the FESA, SDG&E could pursue an amendment to the HCP Amendment for the Proposed Project or pursue a project-specific HCP, or Section 7 take coverage, as applicable. Implementation of the protocols or measures associated with these permits or biological opinion would avoid and minimize potential impacts to these species and their habitat resulting from the Proposed Project.

Crotch's bumble bee is a candidate for listing under CESA and is not a Covered Species under the HCP Amendment. Similarly, least Bell's vireo and Quino checkerspot butterfly are listed or

candidates for listing under CESA and are Covered Species under the HCP Amendment and Quino LEHCP. However, these plans and associated permits do not provide take authorization under CESA. If Proposed Project activities have a high potential to result in take of these species, then securing an ITP or, if appropriate, a Consistency Determination under CESA would be recommended. The previously recommended focused surveys for these species will inform this decision. Additional authorizations would be obtained, as required, based on the most current state and federal regulations, since the listing status of specie is subject to ongoing change.

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ATTACHMENT A: BIOLOGICAL RESOURCES MAP

Attachment A:
Biological Resources Map
Map 1 of 14

Suncrest 230 Kilovolt Loop-In Project

Survey Area

Area Not Accessed

Project Components

Proposed Pole Location

Proposed 230kV Western UG Segment

Aquatic Features

Mapped Feature

National Hydrography Dataset

Stream River

National Wetlands Inventory

Freshwater Forested/Shrub Wetland

Incidental Observations

Hermes Copper Butterfly Host Plant

Quino Checkerspot Butterfly Host Plant

Special-Status Plant

Delicate Clarkia (*Clarkia delicata*)

San Diego County Viguiera (*Bahiopsis laciniata*)

San Diego Sagewort (*Artemisia palmeri*)

San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers

Agricultural

Bare Ground

Chaparral (Sensitive Natural Community)

Coast Live Oak Riparian Forest (Sensitive Natural Community)

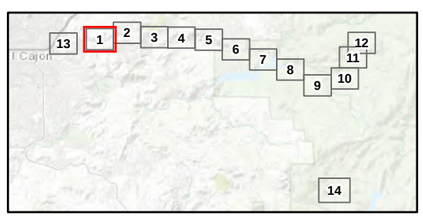
Coastal Sage Scrub (Sensitive Natural Community)

Coastal Sage/Chaparral Mix (Sensitive Natural Community)

Developed

Disturbed

Landscaped/Ornamental



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Attachment A:
Biological Resources Map
Map 2 of 14

Suncrest 230 Kilovolt Loop-In Project

Survey Area
Area Not Accessed

Project Components
Proposed 230kV Western UG Segment

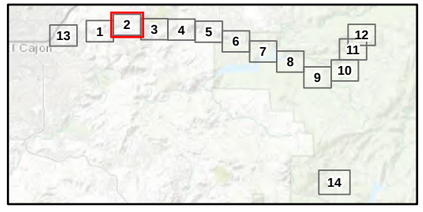
Aquatic Features
Mapped Feature

Incidental Observations
Red-Diamond Rattlesnake (*Crotalus ruber*)

Special-Status Plant
San Diego County Viguiera (*Bahiopsis laciniata*)
San Diego Sagewort (*Artemisia palmeri*)
Robinson's Pepper-grass (*Lepidium virginicum var. robinsonii*)
San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers
Bare Ground
Chaparral (Sensitive Natural Community)
Coast Live Oak Riparian Forest (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Coastal Sage/Chaparral Mix (Sensitive Natural Community)
Developed
Disturbed
Landscaped/Ornamental
Open Oak Woodland

JD-005
JD-006
JD-007
JD-008
JD-009
JD-010
JD-011
JD-012
JD-013



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Attachment A:
Biological Resources Map
Map 3 of 14

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Area Not Accessed

Project Components

- Proposed Pole Location
- Proposed 230kV OH Segment
- Proposed 230kV Western UG Segment

Aquatic Features

- Mapped Feature

National Wetlands Inventory

- Riverine

Incidental Observations

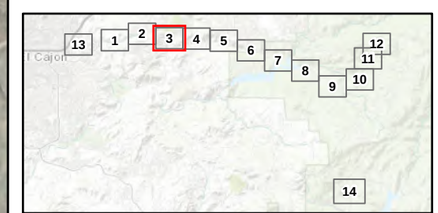
- Hermes Copper Butterfly Host Plant
- Quino Checkerspot Butterfly Host Plant

Special-Status Plant

- Delicate Clarkia (*Clarkia delicata*)
- Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)
- San Diego County Viguiera (*Bahiopsis laciniata*)
- Delicate Clarkia (*Clarkia delicata*)
- Robinson's Pepper-grass (*Lepidium virginicum var. robinsonii*)
- San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers

- Bare Ground
- Chaparral (Sensitive Natural Community)
- Coast Live Oak Riparian Forest (Sensitive Natural Community)
- Coastal Sage Scrub (Sensitive Natural Community)
- Coastal Sage/Chaparral Mix (Sensitive Natural Community)
- Concrete Lined Channel
- Developed
- Disturbed
- Landscaped/Ornamental



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Attachment A:
Biological Resources Map
Map 4 of 14

Suncrest 230 Kilovolt Loop-In Project

Survey Area
Area Not Accessed

Project Components
Proposed Pole Location
Proposed 230kV OH Segment

Aquatic Features
Mapped Feature

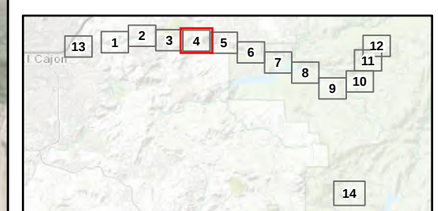
National Hydrography Dataset
Stream River

National Wetlands Inventory
Riverine

Incidental Observations
Red-Diamond Rattlesnake (*Crotalus ruber*)
Hermes Copper Butterfly Host Plant

Special-Status Plant
Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)
Robinson's Pepper-grass (*Lepidium virginicum var. robinsonii*)
San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers
Bare Ground
Chaparral (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Disturbed



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Attachment A:
Biological Resources Map
Map 5 of 14

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Area Not Accessed

Project Components
- Proposed Pole Location
- Proposed 230kV OH Segment

Aquatic Features
- Mapped Feature

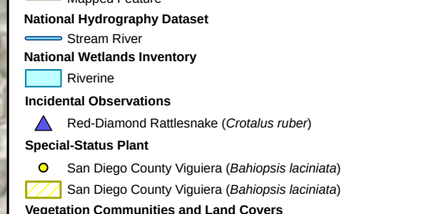
National Hydrography Dataset
- Stream River

National Wetlands Inventory
- Riverine

Incidental Observations
- Red-Diamond Rattlesnake (*Crotalus ruber*)

Special-Status Plant
- San Diego County Viguiera (*Bahiopsis laciniata*)
- San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers
- Bare Ground
- Coastal Sage Scrub (Sensitive Natural Community)
- Coastal Sage/Chaparral Mix (Sensitive Natural Community)
- Disturbed
- Riparian Woodland (Sensitive Natural Community)



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Attachment A:
Biological Resources Map
Map 6 of 14

Suncrest 230 Kilovolt Loop-In Project

Survey Area

Project Components

Proposed Pole Location

Proposed 230kV OH Segment

Aquatic Features

Mapped Feature

Incidental Observations

Coast Horned Lizard (*Phrynosoma blainvillii*)

Coastal Whiptail (*Aspidoscelis tigris stejnegeri*)

Cooper's Hawk (*Astur cooperii*)

Monarch Butterfly (*Danaus plexippus*)

Special-Status Plant

Engelmann Oak (*Quercus engelmannii*)

Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)

San Diego County Viguiera (*Bahiopsis laciniata*)

Munz's Sage (*Salvia munzii*)

San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers

Bare Ground

Chaparral (Sensitive Natural Community)

Coast Live Oak Riparian Forest (Sensitive Natural Community)

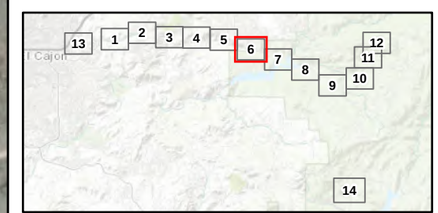
Coastal Sage Scrub (Sensitive Natural Community)

Coastal Sage/Chaparral Mix (Sensitive Natural Community)

Developed

Disturbed

Riparian Woodland (Sensitive Natural Community)



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Attachment A:
Biological Resources Map
Map 7 of 14

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Area Not Accessed

Project Components

- Proposed Pole Location
- Proposed 230kV OH Segment
- Staging Yard/Fly Yard

Aquatic Features

- Mapped Feature
- Potential Wetland

Incidental Observations

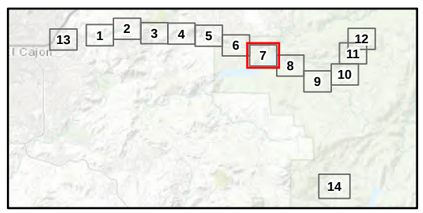
- Yellow-Breasted Chat (*Icteria virens*)
- Hermes Copper Butterfly Host Plant
- Quino Checkerspot Butterfly Host Plant

Special-Status Plant

- Delicate Clarkia (*Clarkia delicata*)
- Rush Like Bristleweed (*Xanthisma junceum*)
- San Diego County Viguiera (*Bahiopsis laciniata*)
- Delicate Clarkia (*Clarkia delicata*)
- San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers

- Bare Ground
- Buckwheat Scrub
- Chaparral (Sensitive Natural Community)
- Coast Live Oak Riparian Forest (Sensitive Natural Community)
- Coastal Sage Scrub (Sensitive Natural Community)
- Coastal Sage/Chaparral Mix (Sensitive Natural Community)
- Developed
- Disturbed
- Non-Vegetated
- Riparian Woodland (Sensitive Natural Community)



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Attachment A:
Biological Resources Map
Map 8 of 14

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Area Not Accessed

Project Components
- Proposed Pole Location
- Proposed 230kV OH Segment

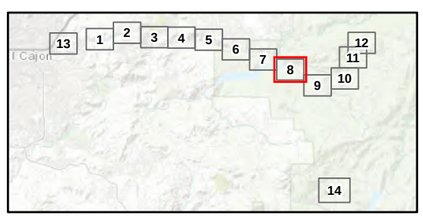
Aquatic Features
- Mapped Feature
- Potential Wetland

National Wetlands Inventory
- Riverine

Incidental Observations
- Least Bell's Vireo (*Vireo bellii pusillus*)
- Yellow Warbler (*Setophaga petechia*)
- Hermes Copper Butterfly Host Plant

Special-Status Plant
- Engelmann Oak (*Quercus engelmannii*)
- San Diego County Viguiera (*Bahiopsis laciniata*)
- Delicate Clarkia (*Clarkia delicata*)
- San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers
- Bare Ground
- Buckwheat Scrub
- Chaparral (Sensitive Natural Community)
- Coast Live Oak Riparian Forest (Sensitive Natural Community)
- Coastal Sage Scrub (Sensitive Natural Community)
- Coastal Sage/Chaparral Mix (Sensitive Natural Community)
- Developed
- Disturbed
- Landscaped/Ornamental
- Non-Native Grassland
- Non-Vegetated
- Riparian Forest (Sensitive Natural Community)
- Riparian Woodland (Sensitive Natural Community)



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Attachment A:
Biological Resources Map
Map 9 of 14

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Area Not Accessed

Project Components

- Proposed Pole Location
- Proposed 230kV OH Segment
- Fly Yard
- Staging Yard

Aquatic Features

- Mapped Feature

National Hydrography Dataset

- Stream River

National Wetlands Inventory

- Riverine

Incidental Observations

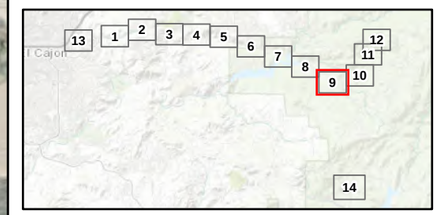
- Coastal Rosy Boa (*Lichanura orcutti*)

Special-Status Plant

- Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)
- San Diego County Viguiera (*Bahiopsis laciniata*)
- San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers

- Bare Ground
- Chaparral (Sensitive Natural Community)
- Coastal Sage Scrub (Sensitive Natural Community)
- Coastal Sage/Chaparral Mix (Sensitive Natural Community)
- Developed
- Disturbed
- Landscaped/Ornamental
- Riparian Forest (Sensitive Natural Community)



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Attachment A:
Biological Resources Map
Map 10 of 14

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Area Not Accessed

Project Components

- Proposed Pole Location
- Proposed 230kV OH Segment

Aquatic Features

- Mapped Feature

National Wetlands Inventory

- Riverine

Incidental Observations

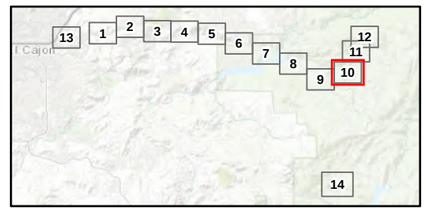
- Red-Diamond Rattlesnake (*Crotalus ruber*)

Special-Status Plant

- Palmer's Goldenbush (*Ericameria palmeri* var. *palmeri*)
- San Diego County Viguiera (*Bahiopsis laciniata*)
- San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers

- Chaparral (Sensitive Natural Community)
- Coastal Sage Scrub (Sensitive Natural Community)
- Riparian Woodland (Sensitive Natural Community)



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Attachment A:
Biological Resources Map
Map 11 of 14

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Existing Suncrest Substation

Project Components

- Proposed Pole Location
- Proposed 230kV Eastern UG Segment
- Proposed 230kV OH Segment

Aquatic Features

- Mapped Feature

Incidental Observations

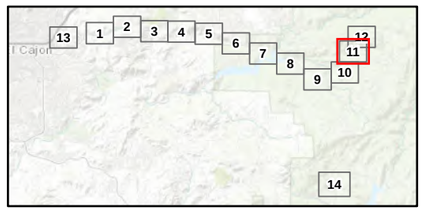
- Bald Eagle (*Haliaeetus leucocephalus*)
- Coast Patch-Nosed Snake (*Salvadora hexalepis virgultea*)
- Hermes Copper Butterfly Host Plant

Special-Status Plant

- Engelmann Oak (*Quercus engelmannii*)
- Palmer's Goldenbush (*Ericameria palmeri* var. *palmeri*)
- Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)
- Rush Like Bristleweed (*Xanthisma junceum*)
- San Diego County Viguiera (*Bahiopsis laciniata*)
- Engelmann Oak (*Quercus engelmannii*)
- Rush Like Bristleweed (*Xanthisma junceum*)
- San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers

- Bare Ground
- Chaparral (Sensitive Natural Community)
- Coast Live Oak Riparian Forest (Sensitive Natural Community)
- Coastal Sage Scrub (Sensitive Natural Community)
- Coastal Sage/Chaparral Mix (Sensitive Natural Community)
- Developed
- Disturbed
- Open Engelmann Oak Woodland (Sensitive Natural Community)
- Riparian Woodland (Sensitive Natural Community)



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Attachment A:
Biological Resources Map
Map 12 of 14

Suncrest 230 Kilovolt Loop-In Project

Survey Area
Existing Suncrest Substation

Project Components
Proposed Pole Location
Proposed 230kV Eastern UG Segment
Proposed 230kV OH Segment

Aquatic Features
Mapped Feature

Incidental Observations
Bald Eagle (*Haliaeetus leucocephalus*)
Coast Patch-Nosed Snake (*Salvadora hexalepis virgultea*)
Hermes Copper Butterfly Host Plant

Special-Status Plant
Engelmann Oak (*Quercus engelmannii*)
Rush Like Bristleweed (*Xanthisma junceum*)
San Diego County Viguiera (*Bahiopsis laciniata*)
Engelmann Oak (*Quercus engelmannii*)
San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers
Bare Ground
Chaparral (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Coastal Sage/Chaparral Mix (Sensitive Natural Community)
Developed
Disturbed
Open Engelmann Oak Woodland (Sensitive Natural Community)
Open Oak Woodland

JD-105
JD-106
JD-107
JD-108
JD-103
JD-102
JD-101
JD-099
JD-100
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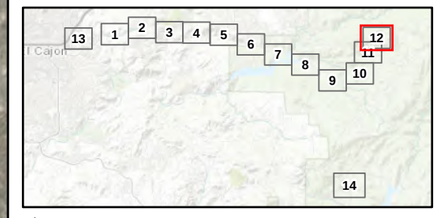
57-B
JD-089
56



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Attachment A:
Biological Resources Map
Map 13 of 14

Suncrest 230 Kilovolt Loop-In Project

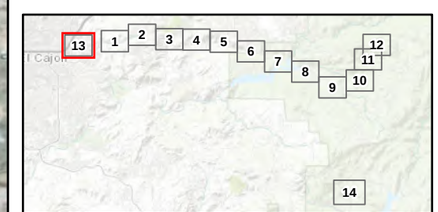
Survey Area
Area Not Accessed

Project Components
Staging Yard

Vegetation Communities and Land Covers
Bare Ground
Developed
Disturbed
Landscaped/Ornamental

Hospital Staging Yard

Greenfield Staging Yard



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Attachment A:
Biological Resources Map
Map 14 of 14

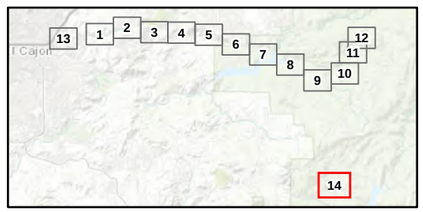
Suncrest 230 Kilovolt Loop-In Project

Survey Area
Area Not Accessed

Project Components
Staging Yard
Staging Yard/Fly Yard

National Wetlands Inventory
Riverine

Vegetation Communities and Land Covers
Bare Ground
Chaparral (Sensitive Natural Community)
Coastal Sage/Chaparral Mix (Sensitive Natural Community)
Disturbed
Non-Native Grassland



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ATTACHMENT B: SURVEY AREA SOILS

Attachment B:
Survey Area Soils
Map 1 of 14

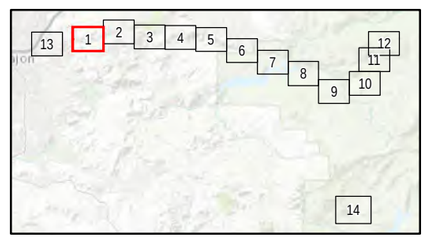
Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV Western UG Segment

Survey Area

Soil Type

- AcG - Acid igneous rock land
- CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony
- CnE2 - Cieneba-Fallbrook rocky sandy loams, 9 to 30 percent slopes, eroded
- FeE2 - Fallbrook rocky sandy loam, 9 to 30 percent slopes, eroded
- GrB - Greenfield sandy loam, 2 to 5 percent slopes
- VaC - Visalia sandy loam, 5 to 9 percent slopes
- VsD2 - Vista coarse sandy loam, 9 to 15 percent slopes, eroded
- VsG - Vista coarse sandy loam, 30 to 65 percent slopes, MLRA 20



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Attachment B:
Survey Area Soils
Map 2 of 14

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV Western UG Segment

Survey Area

Soil Type

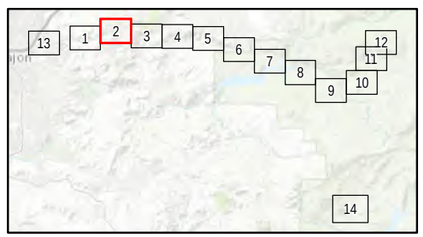
CnE2 - Cieneba-Fallbrook rocky sandy loams, 9 to 30 percent slopes, eroded

FaD2 - Fallbrook sandy loam, 9 to 15 percent slopes, eroded

FaE2 - Fallbrook sandy loam, 15 to 30 percent slopes, eroded

RaD2 - Ramona sandy loam, 9 to 15 percent slopes, eroded

VsG - Vista coarse sandy loam, 30 to 65 percent slopes, MLRA 20



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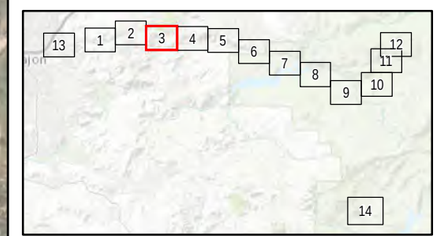
Attachment B:
Survey Area Soils
Map 3 of 14

Suncrest
230 Kilovolt Loop-In Project

- Proposed 230 kV OH Segment
- Proposed 230 kV Western UG Segment
- Survey Area

Soil Type

- CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony
- FaD2 - Fallbrook sandy loam, 9 to 15 percent slopes, eroded
- FvE - Fallbrook-Vista sandy loams, 15 to 30 percent slopes
- VaC - Visalia sandy loam, 5 to 9 percent slopes
- VsG - Vista coarse sandy loam, 30 to 65 percent slopes, MLRA 20
- VvG - Vista rocky coarse sandy loam, 30 to 65 percent slopes



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Attachment B:
Survey Area Soils
Map 4 of 14

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment

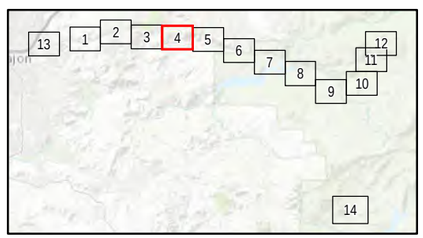
Survey Area

Soil Type

CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony

VsG - Vista coarse sandy loam, 30 to 65 percent slopes, MLRA 20

VvG - Vista rocky coarse sandy loam, 30 to 65 percent slopes



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Attachment B:
Survey Area Soils
Map 5 of 14

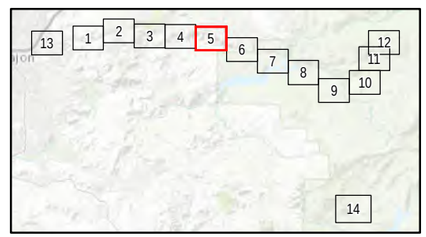
Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment

Survey Area

Soil Type

CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony



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Attachment B:
Survey Area Soils
Map 6 of 14

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment

Survey Area

Soil Type

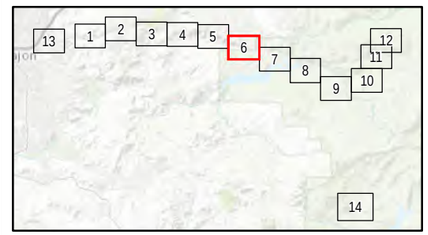
ClG2 - Cieneba coarse sandy loam, 30 to 65 percent slopes, eroded

CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony

FeE - Fallbrook rocky sandy loam, 9 to 30 percent slopes

RaD2 - Ramona sandy loam, 9 to 15 percent slopes, eroded

VsE - Vista coarse sandy loam, 15 to 30 percent slopes, MLRA 20



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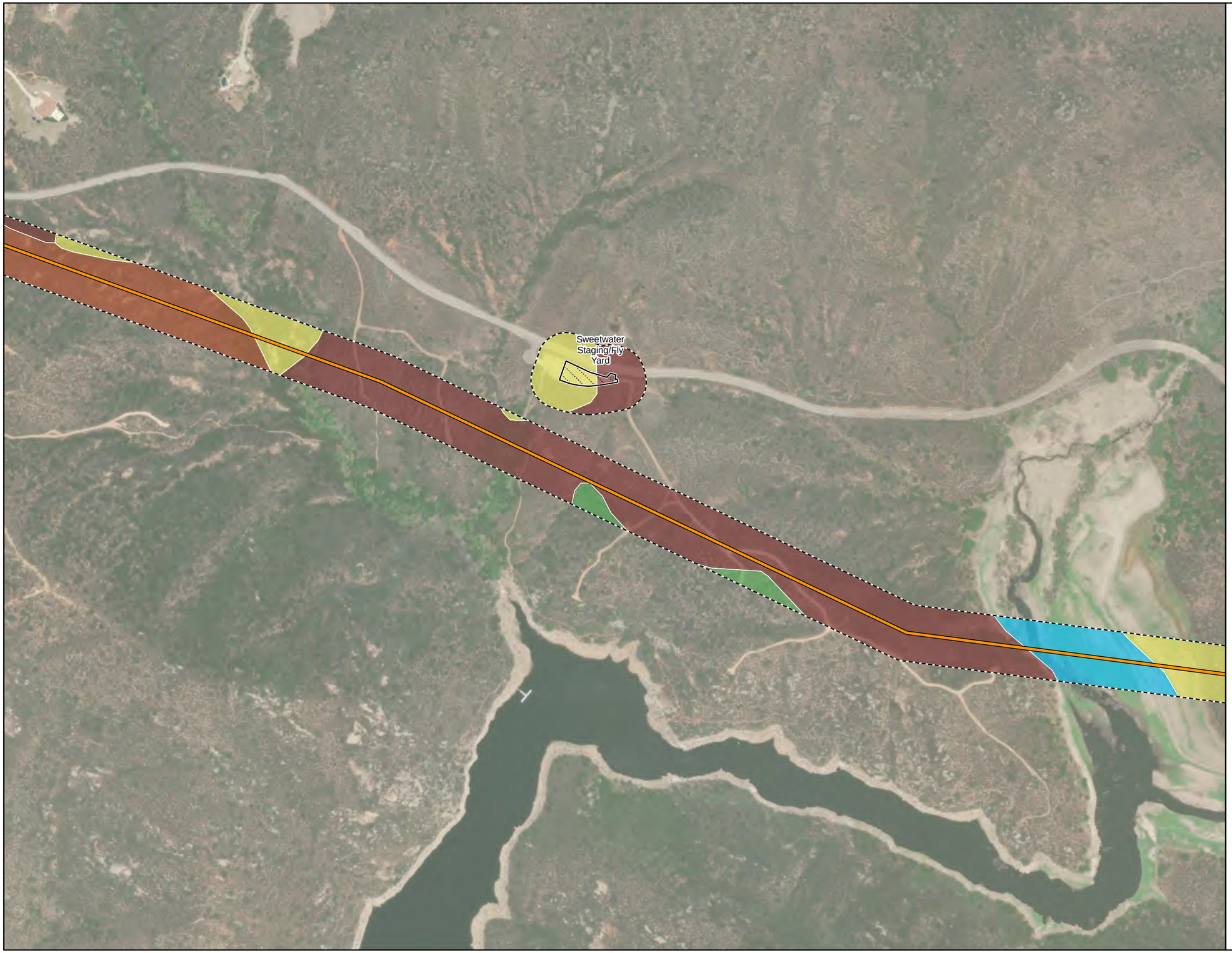


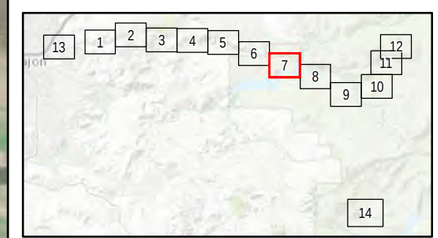
Attachment B:
Survey Area Soils
Map 7 of 14

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment
Staging Yard/Fly Yard
Survey Area

Soil Type

ClG2 - Cieneba coarse sandy loam, 30 to 65 percent slopes, eroded
FeE - Fallbrook rocky sandy loam, 9 to 30 percent slopes
RaD2 - Ramona sandy loam, 9 to 15 percent slopes, eroded
VvE - Vista rocky coarse sandy loam, 15 to 30 percent slopes
W - Water



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Attachment B:
Survey Area Soils
Map 8 of 14

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment

Survey Area

Soil Type

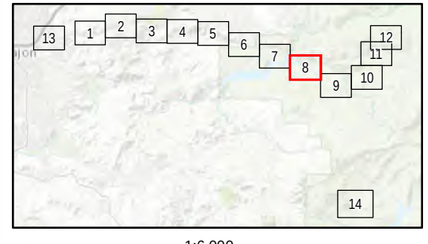
FaD2 - Fallbrook sandy loam, 9 to 15 percent slopes, eroded

FvE - Fallbrook-Vista sandy loams, 15 to 30 percent slopes

RaD2 - Ramona sandy loam, 9 to 15 percent slopes, eroded

Rm - Riverwash

VvG - Vista rocky coarse sandy loam, 30 to 65 percent slopes



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Attachment B:
Survey Area Soils
Map 9 of 14

Suncrest
230 Kilovolt Loop-In Project

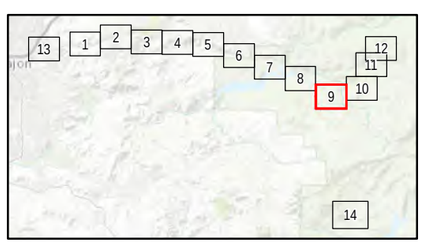
Proposed 230 kV OH Segment
Fly Yard
Staging Yard
Survey Area

Soil Type

CnG2 - Cieneba-Fallbrook rocky sandy loams, 30 to 65 percent slopes, eroded
FaC - Fallbrook sandy loam, 5 to 9 percent slopes
FeE - Fallbrook rocky sandy loam, 9 to 30 percent slopes
FvE - Fallbrook-Vista sandy loams, 15 to 30 percent slopes
VvG - Vista rocky coarse sandy loam, 30 to 65 percent slopes

High Glen
Staging Yard

High Glen
Fly Yard



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Attachment B:
Survey Area Soils
Map 10 of 14

Suncrest
230 Kilovolt Loop-In Project

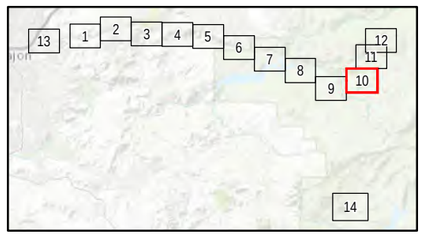
Proposed 230 kV OH Segment

Survey Area

Soil Type

AcG - Acid igneous rock land

VvG - Vista rocky coarse sandy loam, 30 to 65 percent slopes



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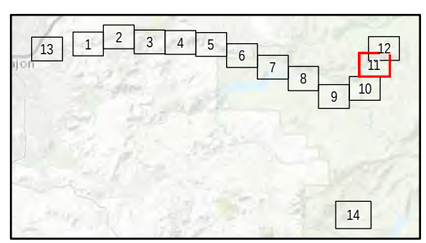
Attachment B:
Survey Area Soils
Map 11 of 14

Suncrest
230 Kilovolt Loop-In Project

- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Existing Suncrest Substation
- Survey Area

Soil Type

- AcG - Acid igneous rock land
- CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony
- FvD - Fallbrook-Vista sandy loams, 9 to 15 percent slopes



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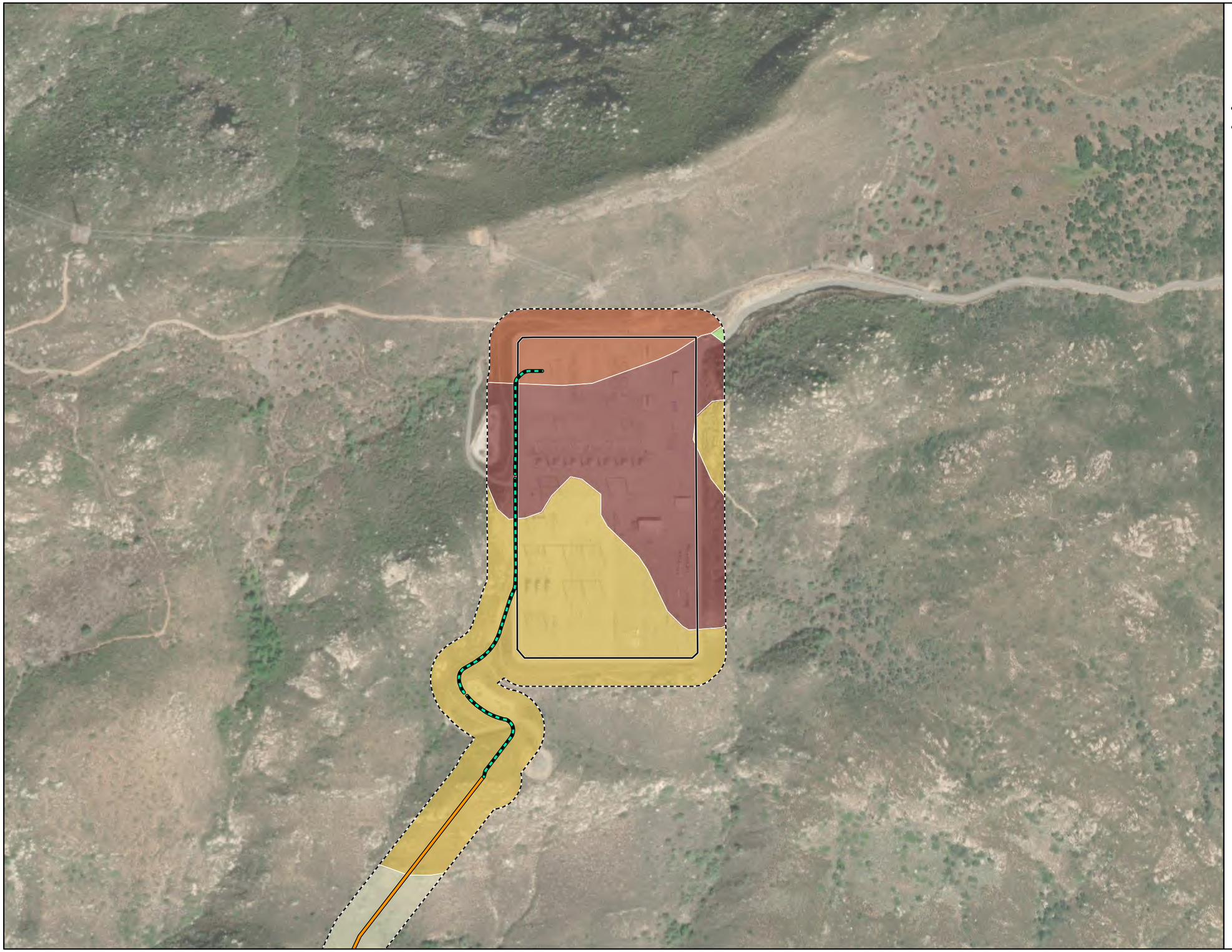


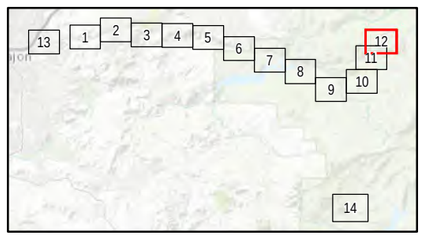
Attachment B:
Survey Area Soils
Map 12 of 14

Suncrest
230 Kilovolt Loop-In Project

- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Existing Suncrest Substation
- Survey Area

Soil Type

- ClG2 - Cieneba coarse sandy loam, 30 to 65 percent slopes, eroded
- CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony
- FaD2 - Fallbrook sandy loam, 9 to 15 percent slopes, eroded
- FeE - Fallbrook rocky sandy loam, 9 to 30 percent slopes
- FvD - Fallbrook-Vista sandy loams, 9 to 15 percent slopes



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Attachment B:
Survey Area Soils
Map 13 of 14

Suncrest
230 Kilovolt Loop-In Project

Staging Yard
Survey Area

Soil Type

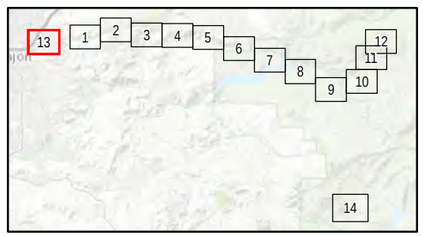
LpD2 - Las Posas fine sandy loam, 9 to 15 percent slopes, eroded

PfC - Placentia sandy loam, thick surface, 2 to 9 percent slo pes

VaC - Visalia sandy loam, 5 to 9 percent slopes

Hospital Staging Yard

Greenfield Staging Yard



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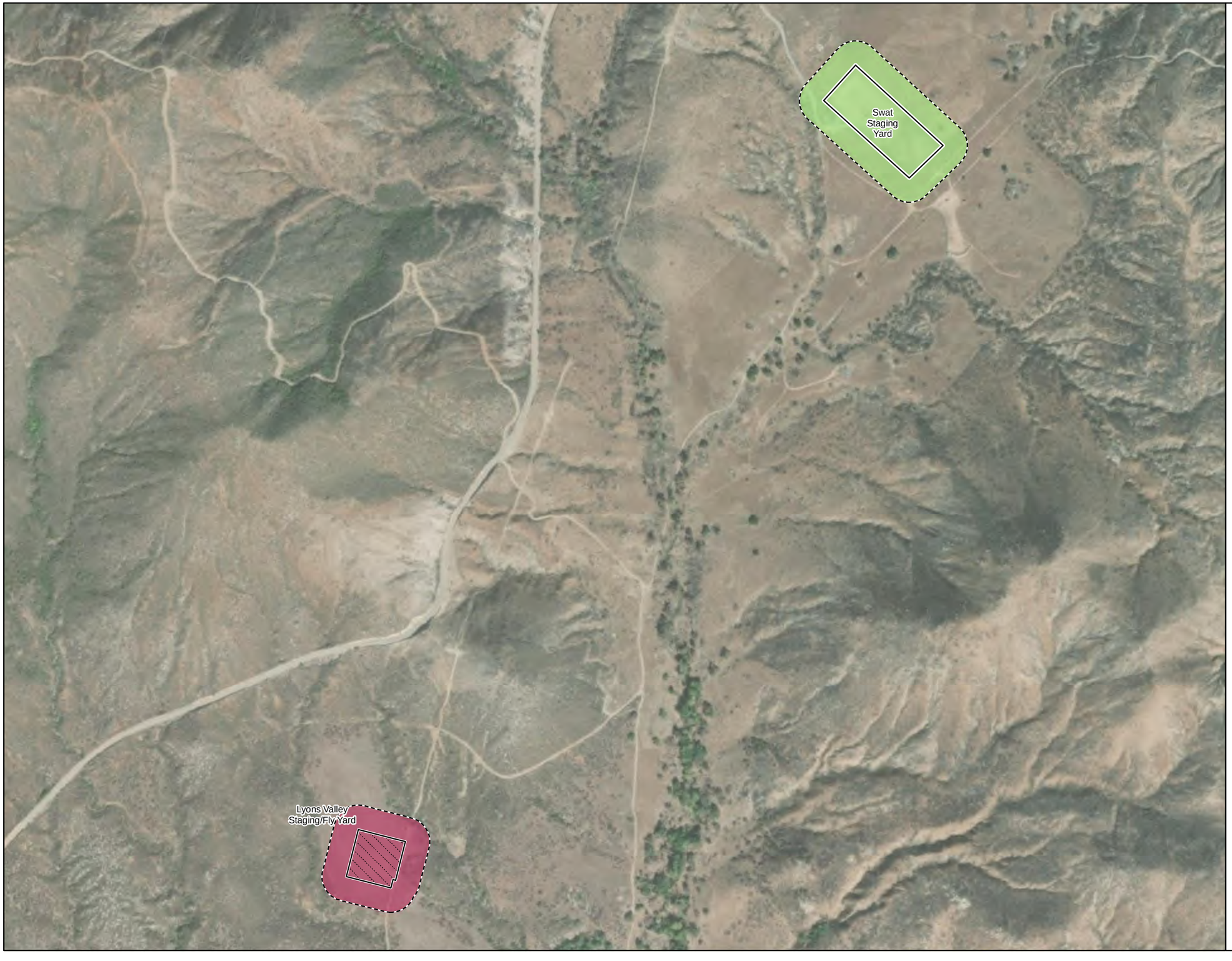


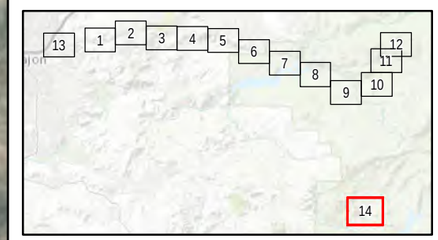
Attachment B:
Survey Area Soils
Map 14 of 14

Suncrest
230 Kilovolt Loop-In Project

- Staging Yard
- Staging Yard/Fly Yard
- Survey Area

Soil Type

- FaD2 - Fallbrook sandy loam, 9 to 15 percent slopes, eroded
- FaE2 - Fallbrook sandy loam, 15 to 30 percent slopes, eroded



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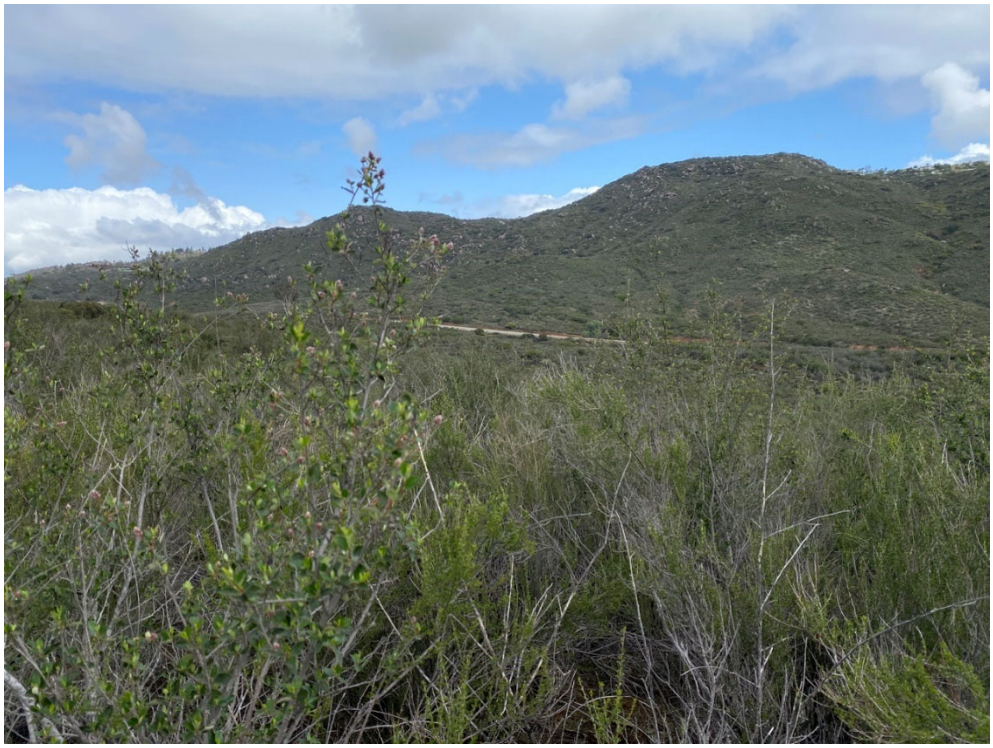
ATTACHMENT C: PHOTOGRAPHS

ATTACHMENT C: PHOTOGRAPHS[1]

Photograph 1: North-facing view of buckwheat scrub dominated by California buckwheat (*Eriogonum fasciculatum*) between proposed Poles 31 and 32 in unincorporated San Diego County on April 17, 2025.

Photograph 2: South-facing view of chaparral dominated by scrub oak (*Quercus berberidifolia*) located between proposed Poles 29 and 30 in unincorporated San Diego County on April 3, 2025.

[1] Photographs are grouped categorically by vegetation community and land cover type followed by special-status species observations.



Photograph 3: North-facing view of chaparral dominated by chamise (*Adenostoma fasciculatum*) and woolly leaf ceanothus (*Ceanothus tomentosus*) located near proposed Pole 29 in unincorporated San Diego County on April 3, 2025.

Photograph 4: Southwest-facing view of chaparral dominated by chamise, woolly leaf ceanothus, and mission manzanita (*Xylococcus bicolor*) located near proposed Pole 37 in unincorporated San Diego County on April 15, 2025.

Photograph 5: Southwest-facing view of chaparral dominated by mission manzanita located near proposed Pole 47 in unincorporated San Diego County on April 14, 2025.

Photograph 6: Northeast-facing view of chaparral dominated by chamise and bigberry manzanita (*Arctostaphylos glauca*) located near proposed Pole 55 in unincorporated San Diego County on April 4, 2025.

Photograph 7: South-facing view of coastal sage/chaparral mix co-dominated by chamise and California sagebrush (*Artemisia californica*) located near proposed Pole 16 in the unincorporated community of Alpine on April 16, 2025.

Photograph 8: West-facing view of coastal sage/chaparral mix co-dominated by California sagebrush, California buckwheat, and chamise located near proposed Pole 29 in unincorporated San Diego County on April 2, 2025.

Photograph 9: Southwest-facing view of coastal sage scrub dominated by California sagebrush, California buckwheat, and laurel sumac (*Malosma laurina*) located near proposed Pole 2 in the unincorporated community of Crest on April 30, 2025.

Photograph 10: Southeast-facing view of coastal sage scrub dominated by California sagebrush, laurel sumac, and San Diego County viguiera (*Bahiopsis laciniata*) located between proposed Poles 15 and 16 in the unincorporated community of Alpine on April 16, 2025.

Photograph 11: South-facing view of coastal sage scrub dominated by California sagebrush, Munz's sage (*Salvia munzii*), and desertbroom baccharis (*Baccharis sarothroides*) located near proposed Pole 20 in the unincorporated community of Alpine on April 15, 2025.

Photograph 12: North-facing view of coastal sage scrub dominated by California sagebrush and California buckwheat located between proposed Poles 54 and 55 in unincorporated San Diego County on April 4, 2025.

Photograph 13: West-facing view of disturbed habitat along La Cresta Road adjacent to the proposed western underground alignment in the unincorporated community of Crest on May 1, 2025.

Photograph 14: North-facing view of landscape/ ornamental habitat near La Cresta Road and the proposed western underground alignment in the unincorporated community of Crest on May 1, 2025.

Photograph 15: North-facing view of non-native grassland between proposed Poles 31 and 32 in unincorporated San Diego County on April 3, 2025.

Photograph 16: Northeast-facing view of open Engelmann oak woodland near proposed Pole 55 in unincorporated San Diego County on April 4, 2025.

Photograph 17: South-facing view of coast live oak riparian forest between proposed Poles 53 and 54 in unincorporated San Diego County on April 4, 2025.

Photograph 18: Southwest-facing view of riparian forest between proposed Poles 31 and 32 in unincorporated San Diego County on April 3, 2025.

Photograph 19: North-facing view of riparian woodland between proposed Poles 23 and 24 in unincorporated San Diego County on April 2, 2025.

Photograph 20: West-facing view of non-vegetated land cover between proposed Poles 29 and 30 in unincorporated San Diego County on April 3, 2025.

Photograph 21: North-facing view of bare ground land cover between proposed Poles 36 and 37 in unincorporated San Diego County on April 14, 2025.

Photograph 22: North-facing view of developed land cover between proposed Poles 43 and 44 in unincorporated San Diego County on May 1, 2025.

Photograph 23: Multiple Munz's sage blooming within the survey area near the intersection of Dehesa Road and Japatul Road in the unincorporated community of Alpine on May 7, 2025.

Photograph 24: Individual San Diego sagewort (*Artemisia palmeri*) within the survey area near Forester Creek on April 28, 2025.

Photograph 25: Individual San Diego County viguiera blooming within the survey area south of the unincorporated community of Alpine on April 15, 2025.

Photograph 26: Multiple Robinson's pepper-grass (*Lepidium virginicum* var. *robinsonii*) fruiting within the survey area south of the unincorporated community of Alpine on April 29, 2025

Photograph 27: Multiple delicate clarkia (*Clarkia delicata*) blooming within lands managed by the Sweetwater Authority in the survey area on May 8, 2025.

Photograph 28: Individual Palmer's goldenbush (*Ericameria palmeri* var. *palmeri*) within the survey area near a drainage between proposed Poles 51 and 52 on May 15, 2025.

Photograph 29: Individual rush like bristleweed (*Xanthisma junceum*) blooming within the survey area near proposed Pole 29 on July 1, 2025.

Photograph 30: Individual Engelmann oak (*Quercus engelmannii*) within the survey area southeast of the existing Suncrest Substation on June 30, 2025.

Photograph 31: Juvenile coast horned lizard (*Phrynosoma blainvillii*) observed within disturbed habitat near proposed Pole 21 on July 8, 2025.

Photograph 32: Individual red diamond rattlesnake (*Crotalus ruber*) observed within chaparral habitat near proposed Pole 49 on May 15, 2025.

ATTACHMENT D: RECENT AND HISTORIC SPECIAL-STATUS PLANT RECORDS

Attachment D:
Recent and Historic Special-Status Plant Records
Map 1 of 4

Suncrest
230 Kilovolt Loop-In Project

Survey Area

Project Components

Proposed Pole Location

Proposed 230kV OH Segment

Proposed 230kV Western UG Segment

SanBios Plant Data

Rush-like Bristleweed (*Xanthisma junceum*)

San Diego County Viguiera (*Bahiopsis lacinata*)

San Diego Sagewort (*Artemisia palmeri*)

California Natural Diversity Database

Dehesa Nolina (*Nolina interrata*)

Delicate Clarkia (*Clarkia delicata*)

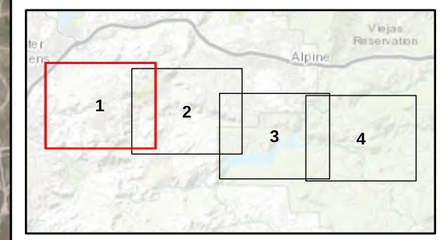
Lakeside Ceanothus (*Ceanothus cyaneus*)

Palmer's Goldenbush (*Ericameria palmeri* var. *palmeri*)

Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)

San Diego Sagewort (*Artemisia palmeri*)

Small-headed Monardella (*Monardella breweri* ssp. *microcephala*)



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Attachment D:
Recent and Historic Special-Status Plant Records
Map 2 of 4

Suncrest
230 Kilovolt Loop-In Project

Survey Area

Project Components

Proposed Pole Location

Proposed 230kV OH Segment

San Diego Gas & Electric Company Cleveland National Forest Electric Safety and Reliability Project Data

San Diego County Viguiera (*Bahiopsis laciniata*)

Orcutt's Brodiaea (*Brodiaea orcuttii*)

Brewer's Calandrinia (*Calandrinia breweri*)

Cooper's Rein Orchid (*Piperia cooperi*)

SanBios Plant Data

Rush-like Bristleweed (*Xanthisma junceum*)

San Diego County Viguiera (*Bahiopsis lacinata*)

San Diego Sagewort (*Artemisia palmeri*)

California Natural Diversity Database

Delicate Clarkia (*Clarkia delicata*)

Lakeside Ceanothus (*Ceanothus cyaneus*)

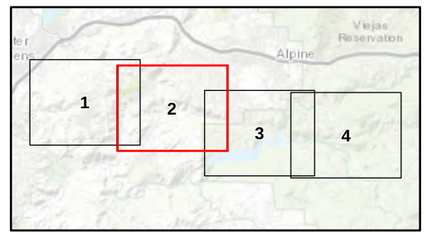
Vanishing Wild Buckwheat (*Eriogonum evanidum*)

Orcutt's Brodiaea (*Brodiaea orcuttii*)

Palmer's Goldenbush (*Ericameria palmeri* var. *palmeri*)

Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)

San Diego Goldenstar (*Bloomeria clevelandii*)



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Attachment D:
Recent and Historic Special-Status Plant Records
Map 3 of 4

Suncrest
230 Kilovolt Loop-In Project

Survey Area

Project Components

Proposed Pole Location

Proposed 230kV OH Segment

San Diego Gas & Electric Company Cleveland National Forest Electric Safety and Reliability Project Data

San Diego County Viguiera (*Bahiopsis laciniata*)

Orcutt's Brodiaea (*Brodiaea orcuttii*)

Brewer's Calandrinia (*Calandrinia breweri*)

Dunn's Mariposa Lily (*Calochortus dunnii*)

Delicate Clarkia (*Clarkia delicata*)

San Diego Sunflower (*Hulsea californica*)

Rush-like Bristleweed (*Xanthisma junceum*)

Cooper's Rein Orchid (*Piperia cooperi*)

Sweetwater Authority Data

San Diego Sagewort (*Artemisia palmeri*)

Southwestern Spiny Rush (*Juncus acutus* ssp. *leopoldii*)

California Natural Diversity Database

Delicate Clarkia (*Clarkia delicata*)

Dunn's Mariposa Lily (*Calochortus dunnii*)

Lakeside Ceanothus (*Ceanothus cyaneus*)

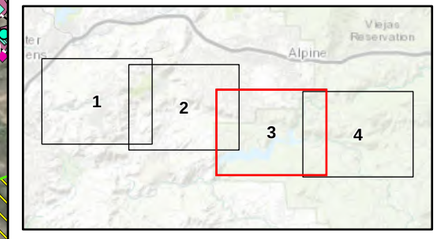
Munz's Sage (*Salvia munzii*)

Orcutt's Brodiaea (*Brodiaea orcuttii*)

Ramona Horkelia (*Horkelia truncata*)

Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)

San Diego Milk-vetch (*Astragalus oocarpus*)



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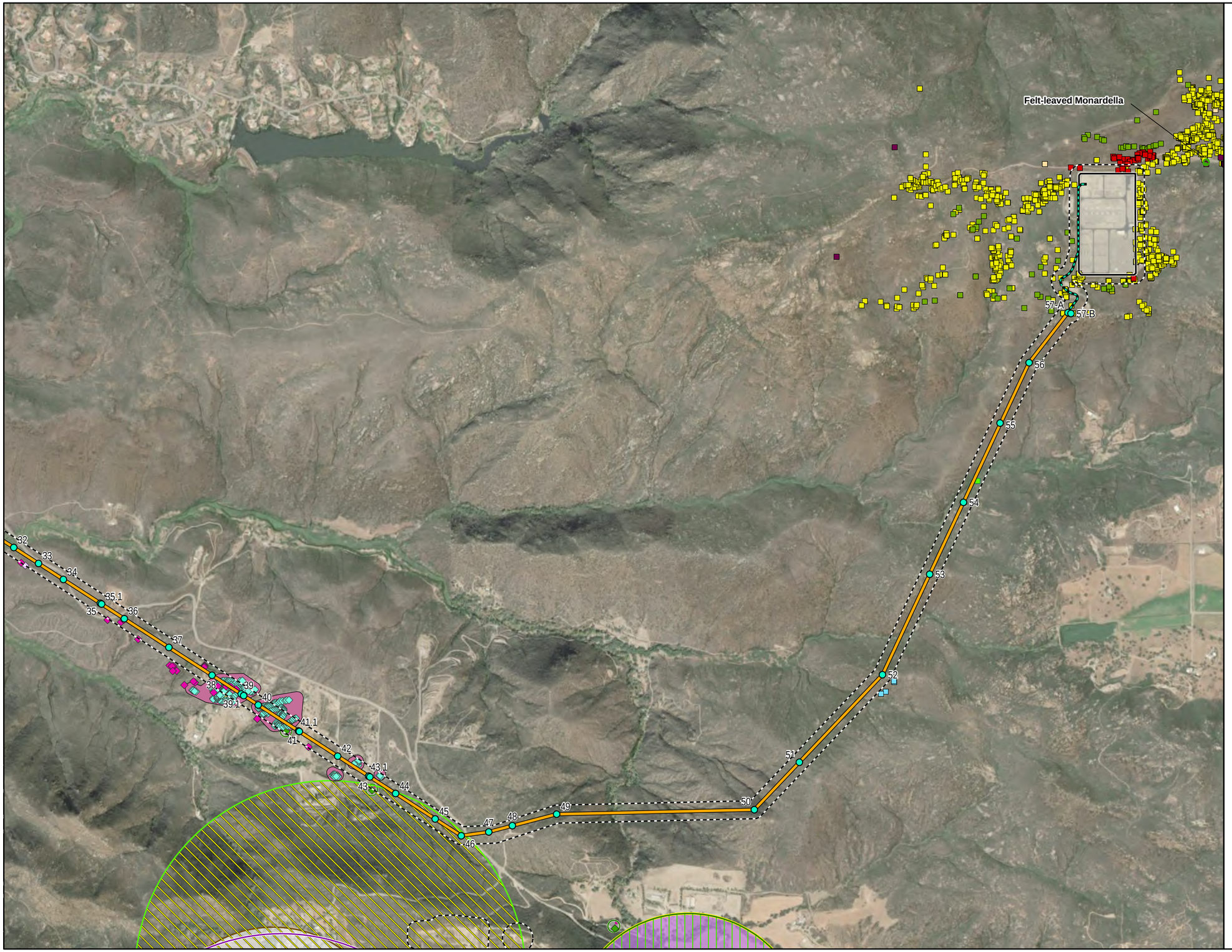
Attachment D:
Recent and Historic Special-Status Plant Records
Map 4 of 4

Suncrest
230 Kilovolt Loop-In Project



Survey Area

Existing Suncrest Substation

Project Components

- Proposed Pole Location
- Proposed 230kV Eastern UG Segment
- Proposed 230kV OH Segment

San Diego Gas & Electric Company Cleveland National Forest Electric Safety and Reliability Project Data

- San Diego County Viguiera (*Bahiopsis laciniata*)
- Dunn's Mariposa Lily (*Calochortus dunnii*)
- Delicate Clarkia (*Clarkia delicata*)
- San Diego Sunflower (*Hulsea californica*)
- Cooper's Rein Orchid (*Piperia cooperi*)

Sunrise Powerlink Project Data

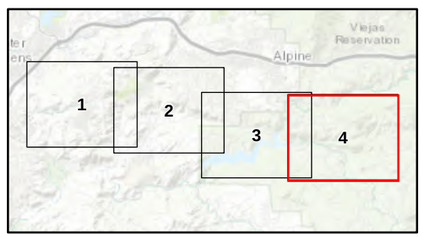
- Cooper's Piperia (*Piperia cooperi*)
- San Diego Milk-vetch (*Astragalus oocarpus*)
- Engelmann Oak (*Quercus engelmannii*)
- Felt-leaved Monardella (*Monardella hypoleuca* ssp. *lanata*)
- Palmer's Goldenbush (*Ericameria palmeri* var. *palmeri*)
- Peninsular Spineflower (*Chorizanthe leptotheca*)
- Rush-like Bristleweed (*Xanthisma junceum*)

SanBios Plant Data

- Felt-leaved Monardella (*Monardella hypoleuca* ssp. *lanata*)

California Natural Diversity Database

- Delicate Clarkia (*Clarkia delicata*)
- Dunn's Mariposa Lily (*Calochortus dunnii*)
- Felt-leaved Monardella (*Monardella hypoleuca* ssp. *lanata*)
- Moreno Currant (*Ribes canthariforme*)
- Orcutt's Brodiaea (*Brodiaea orcuttii*)
- Ramona Horkelia (*Horkelia truncata*)
- Southern Mountains Skullcap (*Scutellaria bolanderi* ssp. *austromontana*)



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ATTACHMENT E: FLORA COMPENDIUM

ATTACHMENT E: FLORA COMPENDIUM

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Ferns and Fern Allies		
Dryopteridaceae	**Wood Fern Family**	
Dryopteris arguta	Coastal wood fern	-
Pteridaceae	**Brake Family**	
Pellaea mucronata var. *mucronata*	Bird's foot fern	-
Pentagramma glanduloviscida	San Diego silverback fern	-
Pentagramma triangularis	Goldback fern	-
Clubmosses, Firmosses, Spikemosses and Quillworts (Lycopods)		
Selaginellaceae	**Spike-moss Family**	
Selaginella bigelovii	Bigelow's spike moss	-
Angiosperms (Monocots)		
Agavaceae	**Agave Family**	
*Agave americana**	American century plant	-
Hesperoyucca whipplei	Chaparral yucca	-
Hooveria parviflora	Small-flowered soaproot	-
Yucca schidigera	Mojave yucca	-
Alliaceae	**Onion Family**	
Allium peninsulare var. *peninsulare*	Mexicali onion	-
Apocynaceae	**Dogbane Family**	
Funastrum cynanchoides	Fringed twinevine	-
Arecaceae	**Palm Family**	
*Washingtonia robusta**	Mexican fan palm	-
Cyperaceae	**Sedge Family**	
Carex spissa	San Diego sedge	-

[1] A "*" indicates the species is not native to California.
[2] Explanation of CRPRs:
-1B: Rare, threatened, or endangered in California and elsewhere
-4: Limited distribution
CRPR Threat Codes:
-0.2-Moderately threatened in California
-0.3-Not very threatened in California
A "-" indicates the species is not assigned a CRPR.

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Carex triquetra	Trigonous sedge	-
Cyperus eragrostis	Tall flatsedge	-
*Cyperus involucratus**	Umbrella plant	-
Schoenoplectus sp.	Bulrushes	-
Juncaceae	**Rush Family**	
Juncus xiphioides	Irisleaf rush	-
Iridaceae	**Iris Family**	
Sisyrinchium bellum	Western blue eyed grass	-
Liliaceae	**Lily Family**	
*Amaryllis belladonna**	Belladonna lily	-
Calochortus splendens	Splendid mariposa lily	-
Calochortus weedii var. *weedii*	Weed's mariposa lily	-
Lythraceae	**Loosestrife Family**	
Ammannia coccinea	Scarlet toothcup	-
Poaceae	**Grass Family**	
*Arundo donax**	Giant reed	-
*Avena barbata**	Slender wild oat	-
*Avena fatua**	Wild oat	-
*Bromus diandrus**	Ripgut brome	-
*Bromus madritensis**	Foxtail chess	-
*Bromus rubens**	Red brome	-
*Cynodon dactylon**	Bermuda grass	-
Crypsis schoenoides	Swamp grass	-
*Ehrharta longiflora**	Longflowered veldtgrass	-
Elymus condensatus	Giant wild rye	-
*Festuca myuros**	Rattail sixweeks grass	-
Gastridium phleoides	Nit grass	-
Lamarckia aurea	Goldentop grass	-
*Melinis repens**	Natal grass	-
Muhlenbergia microsperma	Littleseed muhly	-
Panicum capillare	Witchgrass	-
*Pennisetum setaceum**	Fountaingrass	-

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
*Poa annua**	Annual blue grass	-
*Polypogon monspeliensis**	Rabbitsfoot grass	-
*Schismus barbatus**	Common mediterranean grass	-
Stipa coronata	Crested needle grass	-
*Stipa miliacea**	Smilo grass	-
Themidaceae	**Brodiaea Family**	
Dipterostemon capitatus ssp. capitatus	Blue dicks	-
Typhaceae	**Cattail Family**	
Typha sp.	Cattails	-
Angiosperms (Eudicots and Magnoliids)		
Anacardiaceae	**Sumac Family**	
Malosma laurina	Laurel sumac	-
Rhus ovata	Sugar bush	-
*Schinus molle**	Peruvian pepper tree	-
Toxicodendron diversilobum	Poison oak	-
Apiaceae	**Carrot Family**	
Apiastrum angustifolium	Mock parsley	-
*Conium maculatum**	Poison hemlock	-
Sanicula arguta	Sharp toothed sanicle	-
Sanicula crassicaulis	Pacific sanicle	-
Tauschia arguta	Southern umbrellawort	-
Apocynaceae	**Dogwood Family**	
Vinca major	Greater periwinkle	-
Asphodelaceae	**Asphodel Family**	
Asphodelus fistulosus	Onionweed	
Asteraceae	**Sunflower Family**	
Acourtia microcephala	Sacapellote	-
Ambrosia psilostachya	Western ragweed	-
Artemisia californica	California sagebrush	-
Artemisia douglasiana	California mugwort	-
Artemisia dracunculus	Tarragon	-
Artemisia palmeri	San Diego sagewort	CRPR 4.2

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Baccharis salicifolia	Mule fat	-
Baccharis sarothroides	Desertbroom baccharis	-
Bahiopsis laciniata	San Diego County viguiera	CRPR 4.3
Bidens frondosa	Devil's beggartick	-
Brickellia californica	California brickellbush	-
*Carduus pycnocephalus**	Italian thistle	-
*Centaurea melitensis**	Tocalote	-
Chaenactis glabriuscula var. *glabriuscula*	Yellow pincushion	-
*Cirsium vulgare**	Bull thistle	-
Deinandra fasciculata	Clustered tarweed	
*Dimorphotheca sinuata**	Cape marigold	-
*Dittrichia graveolens**	Stinkwort	-
Eclipta prostrata	False daisy	-
Encelia californica	California brittlebush	-
Ericameria linearifolia	Narrowleaf goldenbush	-
Ericameria palmeri var. palmeri	Palmer's goldenbush	CRPR 1B.1
*Erigeron bonariensis**	Flax-leaved horseweed	
Erigeron canadensis	Horseweed	-
Erigeron foliosus var. *foliosus*	Leafy fleabane	-
Eriophyllum confertiflorum var. *confertiflorum*	Golden yarrow	-
*Gazania linearis**	Treasure flower	-
*Glebionis coronaria**	Crown daisy	-
Gutierrezia sarothrae	Broom snakeweed	-
Hazardia squarrosa var. *grindelioides*	Saw toothed goldenbush	-
*Hedypnois rhagadioloides**	Crete weed	-
Helianthus gracilentus	Slender sunflower	-
Heterotheca grandiflora	Telegraph weed	-
*Hypochaeris glabra**	Smooth cat's ear	-
Isocoma menziesii var. menziesii	Menzies' goldenbush	-
*Lactuca serriola**	Prickly lettuce	-
Laennecia coulteri	Coulter's horseweed	-
*Logfia gallica**	Narrowleaf cottonrose	-

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Osmadenia tenella	False rosinweed	-
Porophyllum gracile	Odora	-
Pseudognaphalium biolettii	Two-color rabbit-tobacco	-
Pseudognaphalium californicum	California everlasting	-
*Pseudognaphalium luteoalbum**	Jersey cudweed	-
Pseudognaphalium stramineum	Cottonbatting plant	-
Rafinesquia californica	California chicory	-
*Senecio vulgaris**	Common groundsel	-
Solidago sp.	Golenrod	-
Sonchus asper ssp. *asper**	Prickly sow-thistle	-
*Sonchus oleraceus**	Common sow thistle	-
Stephanomeria diegensis	San Diego milk aster	-
Stephanomeria exigua ssp. *deanei*	Deane's wirelettuce	-
Stylocline gnaphaloides	Everlasting nest straw	-
Uropappus lindleyi	Silver puffs	-
Xanthisma junceum	Rush like bristleweed	CRPR 4.3
Xanthium sp.	Cockleburs	-
Aizoacaeae	**Fig-Marigold Family**	
*Carpobrotus edulis**	Freeway iceplant	-
Amaranthaceae	**Amaranth Family**	
*Amaranthus albus**	Pigweed amaranth	-
Boraginaceae	**Borage Family**	
Amsinckia menziesii	Small flowered fiddleneck	-
Cryptantha intermedia var. *intermedia*	Common cryptantha	-
Cryptantha muricata var. *jonesii*	Jones' cryptantha	-
Pectocarya linearis	Sagebrush combseed	-
Phacelia cicutaria	Caterpillar phacelia	-
Brassicaceae	**Mustard Family**	
*Brassica nigra**	Black mustard	-
Descurainia pinnata	Western tansymustard	-
*Hirschfeldia incana**	Short podded mustard	-
Lepidium nitidum	Shining peppergrass	-

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Lepidium virginicum var. *robinsonii*	Robinson's pepper grass	CRPR 4.3
Lobularia maritima	Sweet alyssum	-
Nasturtium officinale	Watercress	-
*Sisymbrium orientale**	Oriental mustard	-
Turritis glabra	Tower mustard	-
Cactaceae	**Cactus Family**	
Cylindropuntia sp.	Cholla	-
Opuntia phaeacantha	Brown spined prickly pear	-
Caprifoliaceae	**Honeysuckle Family**	
Lonicera subspicata var. *denudata*	Johnston's honeysuckle	-
Caryophyllaceae	**Pink Family**	
Polycarpon tetraphyllum ssp. *tetraphyllum**	Four-leaved allseed	-
*Silene gallica**	Common catchfly	-
Spergularia sp.	Sand-spurries	-
Chenopodiaceae	**Goosefoot Family**	
Chenopodium berlandieri	Berlandier's goosefoot	-
Chenopodium californicum	California goosefoot	-
*Chenopodium murale**	Nettle leaf goosefoot	-
*Salsola tragus**	Russian thistle	-
Cistaceae	**Rock-Rose Family**	
Crocanthemum aldersonii	Alderson's rush-rose	-
Convolvulaceae	**Morning-Glory Family**	
Calystegia macrostegia ssp. *tenuifolia*	San Diego morning-glory	-
Cuscuta sp.	Dodders	-
Crassulaceae	**Stonecrop Family**	
Crassula connata	Sand pygmyweed	-
*Crassula ovata**	Jade plant	-
Dudleya pulverulenta	Chalk dudleya	-
Cucurbitaceae	**Gourd Family**	
Marah macrocarpa	Chilicothe	-
Ericaceae	**Heath Family**	
Arctostaphylos glandulosa ssp. *glandulosa*	Eastwood' manzanita	-

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Arctostaphylos glauca	Bigberry manzanita	-
Xylococcus bicolor	Mission manzanita	-
Euphorbiaceae	**Spurge Family**	
Acalypha californica	California copperleaf	-
Croton setiger	Turkey-mullein	
*Euphorbia maculata**	Spotted spurge	-
Euphorbia polycarpa	Smallseed sandmat	-
*Ricinus communis**	Castor bean	-
Fabaceae	**Legume Family**	
Acmispon americanus var. *americanus*	American bird's foot trefoil	-
Acmispon argophyllus var. *argophyllus*	Southern California silver lotus	-
Acmispon glaber var. *brevialatus*	Deerweed	-
Acmispon micranthus	Small flowered lotus	-
Acmispon strigosus	Strigose lotus	-
Amorpha fruticosa	Western false indigo	-
Lathyrus vestitus var. *alefeldii*	San Diego sweet pea	-
Lupinus bicolor	Miniature lupine	-
Lupinus hirsutissimus	Stinging lupine	-
Lupinus truncatus	Collared annual lupine	-
*Medicago polymorpha**	Bur clover	-
*Melilotus albus**	White sweetclover	-
*Melilotus indicus**	Sourclover	-
Vicia ludoviciana ssp. *ludoviciana*	Louisiana vetch	-
*Vicia villosa**	Hairy vetch	-
Fagaceae	**Beech Family**	
Quercus agrifolia	Coast live oak	-
Quercus berberidifolia	Inland scrub oak	-
Quercus engelmannii	Engelmann oak	CRPR 4.2
Gentianaceae	**Gentian Family**	
Zeltnera venusta	California centaury	-
Geraniaceae	**Geranium Family**	
*Erodium botrys**	Broad leaf filaree	-

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
*Erodium cicutarium**	Redstem stork's bill	-
Grossulariaceae	**Gooseberry Family**	
Ribes indecorum	White flowering currant	-
Hydrophyllaceae	**Waterleaf Family**	
Eucrypta chrysanthemifolia var. *chrysanthemifolia*	Common eucrypta	-
Phacelia parryi	Parry's phacelia	-
Lamiaceae	**Mint Family**	
*Lamium amplexicaule**	Henbit deadnettle	-
*Marrubium vulgare**	White horehound	-
Salvia apiana	White sage	-
Salvia mellifera	Black sage	-
Salvia munzii	Munz's sage	CRPR 2B.2
Salvia clevelandii	Cleveland sage	-
Salvia columbariae	Chia	-
Trichostema parishii	Parish's bluecurls	-
Malvaceae	**Mallow Family**	
Fremontodendron californicum	California flannelbush	-
Malacothamnus densiflorus	Many-flowered bushmallow	-
*Malva parviflora**	Cheeseweed mallow	-
Montiaceae	**Miner's Lettuce Family**	
Calandrinia menziesii	Red maids	-
Calyptridium monandrum	Common pussypaws	-
Claytonia perfoliata	Miner's lettuce	-
Myrsinaceae	**Myrsine Family**	
*Lysimachia arvensis**	Scarlet pimpernel	-
Myrtaceae	**Myrtle Family**	
Eucalyptus spp.*	Gum trees	-
Nyctaginaceae	**Four O'clock Family**	
Bougainvillea spp.*	Bougainvillea	-
Mirabilis laevis var. *crassifolia*	California four o'clock	-
Oleaceae	**Olive Family**	
*Olea europaea**	Olive	-

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Onagraceae	**Evening-Primrose Family**	
Camissoniopsis hirtella	Hairy sun cup	-
Camissonia strigulosa	Sandysoil suncup	-
Clarkia delicata	Delicate clarkia	CRPR 1B.2
Clarkia epilobioides	Canyon clarkia	-
Clarkia purpurea ssp. *quadrivulnera*	Winecup clarkia	-
Clarkia similis	Ramona clarkia	-
Epilobium brachycarpum	Annual fireweed	-
Epilobium canum ssp. *canum*	California fuschia	-
Epilobium ciliatum ssp. *ciliatum*	Fringed willowherb	-
Eulobus californicus	California primrose	-
Oenothera elata	Evening primrose	-
Orobanchaceae	**Broomrape Family**	
Aphyllon tuberosum	Chaparral broomrape	-
Cordylanthus rigidus ssp. *setiger*	Bristly bird's beak	-
Paeoniaceae	**Peony Family**	
Paeonia californica	California peony	-
Papaveraceae	**Poppy Family**	
Eschscholzia californica	California poppy	-
Eschscholzia parishii[3]	Parish's poppy	-
*Fumaria capreolata**	White ramping fumitory	-
Pinaceae	**Pine Family**	
Pinus coulteri	Coulter pine	-
*Pinus halepensis**	Aleppo pine	-
Phrymaceae	**Lopseed Family**	
Diplacus australis	Southern monkeyflower	-
Erythranthe cardinalis	Cardinal monkey flower	-
Erythranthe guttata	Seep monkeyflower	-

[3] A single individual was observed near overhead electrical equipment. This species was likely introduced as a result of operations and maintenance activity.

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Plantaginaceae	**Plantain Family**	
Antirrhinum nuttallianum	Nuttall's snapdragon	-
Collinsia concolor	Southern Chinese houses	-
Keckiella antirrhinoides	Chaparral beard tongue	-
Keckiella cordifolia	Heartleaf keckiella	-
Mimetanthe pilosa	Snouted monkey flower	-
Nuttallanthus texanus	Blue toadflax	-
Penstemon spectabilis var. *spectabilis*	Showy penstemon	-
Plantago erecta	Dotseed plantain	-
*Plantago major**	Common plantain	-
*Veronica anagallis-aquatica**	Water speedwell	-
Platanaceae	**Sycamore Family**	
Platanus racemosa	California sycamore	-
Polemoniaceae	**Phlox Family**	
Eriastrum filifolium	Thread-leaved woolly-star	-
Gilia angelensis	Chaparral gilia	-
Linanthus dianthiflorus	Fringed linanthus	-
Navarretia atractyloides	Holly leaf navarretia	-
Navarretia hamata	Hooked pincushionplant	-
Polygonaceae	**Buckwheat Family**	
Chorizanthe procumbens	Prostrate spineflower	-
*Emex spinosa**	Devil's thorn	-
Eriogonum fasciculatum	California buckwheat	-
Eriogonum gracile	Slender buckwheat	-
Persicaria lapathifolia	Common knotweed	-
Pterostegia drymarioides	Fairy mist	-
Rumex californicus	California dock	-
*Rumex conglomeratus**	Clustered dock	-
*Rumex crispus**	Curly dock	-
Rumex dentatus"	Toothed dock	-
Ranunculaceae	**Buttercup Family**	
Clematis pauciflora	Few flowered clematis	-

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Delphinium parryi ssp. *parryi*	Parry's larkspur	-
Platystemon californicus	Cream cups	-
Thalictrum fendleri var. *polycarpum*	Meadow rue	-
Primulacaeae	**Primrose Family**	
Primula clevelandii var. *clevelandii*	Cleveland's shooting star	-
Rhamnaceae	**Buckthorn Family**	
Ceanothus leucodermis	Chaparral whitethorn	-
Ceanothus perplexans	Cupped leaf ceanothus	-
Ceanothus tomentosus	Woolly leaf ceanothus	-
Rhamnus crocea	Spiny redberry	-
Rhamnus ilicifolia	Hollyleaf redberry	-
Rosaceae	**Rose Family**	
Adenostoma fasciculatum var. *fasciculatum*	Chamise	-
Cercocarpus minutiflorus	Smooth mountain mahogany	-
Drymocallis glandulosa	Sticky cinquefoil	-
Heteromeles arbutifolia	Toyon	-
Rosa californica	California wild rose	-
Rubus leucodermis	White bark raspberry	-
Rubiaceae	**Madder Family**	
Galium angustifolium ssp. *angustifolium*	Narrowleaf bedstraw	-
Galium nuttallii ssp. *nuttallii*	Climbing bedstraw	-
*Galium parisiense**	Wall bedstraw	-
Galium porrigens	Climbing bedstraw	-
Salicaceae	**Willow Family**	
Salix gooddingii	Goodding's black willow	-
Salix laevigata	Red willow	-
Salix lasiolepis	Arroyo willow	-
Saxifragaceae	**Saxifrage Family**	
Lithophragma affine	Common woodland star	-
Scrophulariaceae	**Figwort Family**	
Scrophularia californica	California bee plant	-

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Solanaceae	**Nightshade Family**	
Datura wrightii	Jimsonweed	-
*Nicotiana glauca**	Tree tobacco	-
Physalis crassifolia	Thick leaved ground cherry	-
Solanum americanum	American black nightshade	-
Solanum douglasii	Douglas' nightshade	-
Solanum parishii	Parish's nightshade	-
Tamaricaceae	**Tamarisk Family**	
*Tamarix ramosissima**	Tamarisk	-
Ulmaceae	**Elm Family**	
*Ulmus parvifolia**	Siberian elm	-
Urticaceae	**Nettle Family**	
*Urtica urens**	Annual stinging nettle	-
Verbenaceae	**Vervain Family**	
*Lantana montevidensis**	Trailing lantana	-
Viburnaceae	**Muskroot Family**	
Sambucus mexicana	Blue elderberry	-
Violacaea	**Violet Family**	
Viola pedunculata	California golden violet	-
Vitaceae	**Grape Family**	
Vitis girdiana	Desert wild grape	-

ATTACHMENT F: RECENT AND HISTORIC SPECIAL-STATUS WILDLIFE RECORDS

Attachment F:
Recent and Historic Special-Status Wildlife Records
Map 1 of 4

Suncrest
230 Kilovolt Loop-In Project

Survey Area

Project Components

Proposed Pole Location

Proposed 230 kV OH Segment

Proposed 230 kV Western UG Segment

California Natural Diversity Database

American Badger (*Taxidea taxus*)

California Glossy Snake (*Arizona elegans occidentalis*)

Coast Horned Lizard (*Phrynosoma blainvillii*)

Coastal California Gnatcatcher (*Polioptila californica californica*)

Hermes copper butterfly (*Lycaena hermes*)

Orange-throated Whiptail (*Aspidoscelis hyperythra*)

San Diego desert woodrat (*Neotoma lepida intermedia*)

Southern California Legless Lizard (*Anniella stebbinsi*)

Southern California Rufous-crowned Sparrow (*Aimophila ruficeps canescens*)

Western Mastiff Bat (*Eumops perotis californicus*)

Western Spadefoot (*Spea hammondii*)

SanBIOS Database

Coastal California Gnatcatcher (*Polioptila californica californica*)

Southern California Legless Lizard (*Anniella stebbinsi*)

Coast Horned Lizard (*Phrynosoma blainvillii*)

Coast Patch-Nosed Snake (*Salvadora hexalepis virgultea*)

Coastal Whiptail (*Aspidoscelis tigris stejnegeri*)

Cooper's Hawk (*Accipiter cooperii*)

Orange-Throated Whiptail (*Aspidoscelis hyperythra*)

Pallid Bat (*Antrozous pallidus*)

Pocketed Free-Tailed Bat (*Nyctinomops femorosaccus*)

Red-Diamond Rattlesnake (*Crotalus ruber*)

San Diego Ringneck Snake (*Diadophis punctatus similis*)

San Diego Banded Gecko (*Coleonyx variegatus abbotti*)

San Diego Desert Woodrat (*Neotoma lepida intermedia*)

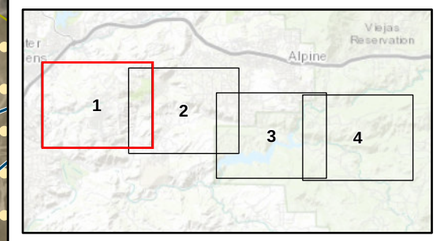
Southern California Rufous-Crowned Sparrow (*Aimophila ruficeps canescens*)

Western Mastiff Bat (*Eumops perotis californicus*)

Western Red Bat (*Lasiurus frantzii*)

Western Yellow Bat (*Lasiurus xanthinus*)

White-Tailed Kite (*Elanus leucurus*)



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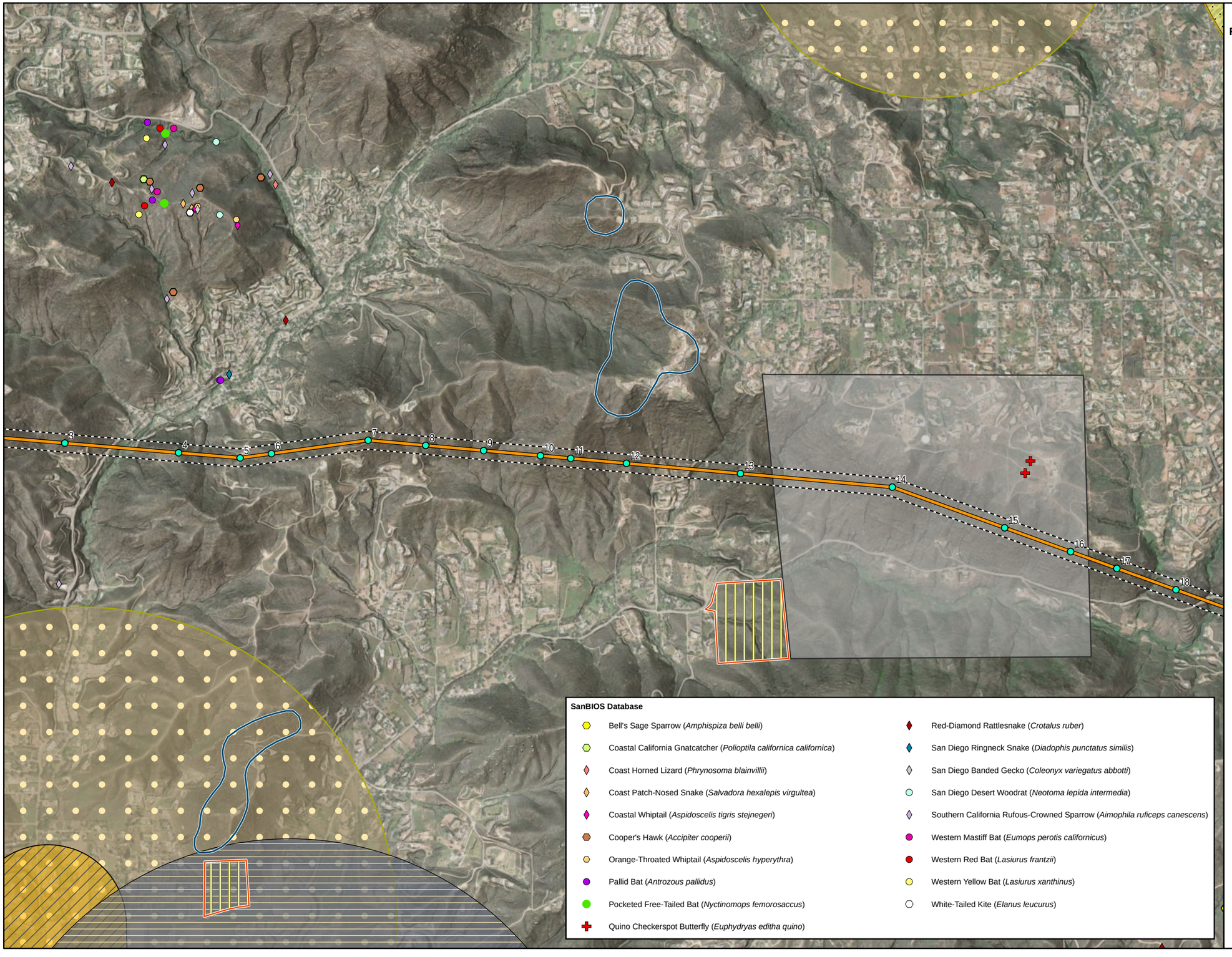

Attachment F:
Recent and Historic Special-Status Wildlife Records
Map 2 of 4

Suncrest
230 Kilovolt Loop-In Project

Survey Area

Project Components

Proposed Pole Location

Proposed 230 kV OH Segment

California Natural Diversity Database

American Badger (*Taxidea taxus*)

Coast Horned Lizard (*Phrynosoma blainvillii*)

Coastal California Gnatcatcher (*Polioptila californica californica*)

Orange-throated Whiptail (*Aspidoscelis hyperythra*)

Quino Checkerspot Butterfly (*Euphydryas editha quino*)

Southern California Legless Lizard (*Anniella stebbinsi*)

Townsend's Big-Eared Bat (*Corynorhinus townsendii*)

Western Spadefoot (*Spea hammondii*)

SanBIOS Database

Bell's Sage Sparrow (*Amphispiza belli belli*)

Coastal California Gnatcatcher (*Polioptila californica californica*)

Coast Horned Lizard (*Phrynosoma blainvillii*)

Coast Patch-Nosed Snake (*Salvadora hexalepis virgultea*)

Coastal Whiptail (*Aspidoscelis tigris stejnegeri*)

Cooper's Hawk (*Accipiter cooperii*)

Orange-Throated Whiptail (*Aspidoscelis hyperythra*)

Pallid Bat (*Antrozous pallidus*)

Pocketed Free-Tailed Bat (*Nyctinomops femorosaccus*)

Quino Checkerspot Butterfly (*Euphydryas editha quino*)

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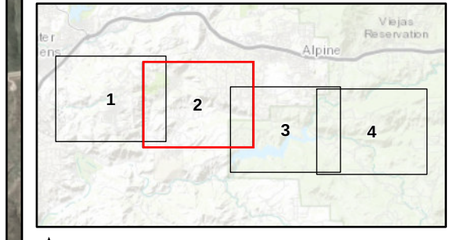
Western Mastiff Bat (*Eumops perotis californicus*)

Western Red Bat (*Lasiurus frantzii*)

Western Yellow Bat (*Lasiurus xanthinus*)

White-Tailed Kite (*Elanus leucurus*)



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Attachment F:
Recent and Historic Special-Status Wildlife Records
Map 3 of 4

Suncrest
230 Kilovolt Loop-In Project

Survey Area

Project Components

Proposed Pole Location

Proposed 230 kV OH Segment

Sweetwater Authority Data

Arroyo Toad (*Anaxyrus californicus*)

Coast Horned Lizard (*Phrynosoma blainvillii*)

Orange-throated Whiptail (*Aspidoscelis hyperythra*)

Southern California Rufous-crowned sparrow (*Aimophila ruficeps canescens*)

Two-Striped Gartersnake (*Thamnophis hammondii*)

Yellow Warbler (*Setophaga petechia*)

Yellow-breasted Chat (*Icteria virens*)

Willow Flycatcher (*Empidonax traillii*)

Least Bell's Vireo (*Vireo bellii pusillus*)

Coastal California Gnatcatcher (*Polioptila californica californica*)

California Natural Diversity Database

Arroyo Toad (*Anaxyrus californicus*)

Coast Horned Lizard (*Phrynosoma blainvillii*)

Coast Patch-nosed Snake (*Salvadora hexalepis virgultea*)

Coastal California Gnatcatcher (*Polioptila californica californica*)

Cooper's Hawk (*Accipiter cooperii*)

Least Bell's Vireo (*Vireo bellii pusillus*)

Orange-throated Whiptail (*Aspidoscelis hyperythra*)

Pocketed Free-tailed Bat (*Nyctinomops femorosaccus*)

Quino Checkerspot Butterfly (*Euphydryas editha quino*)

Southern California Rufous-crowned Sparrow (*Aimophila ruficeps canescens*)

Western Mastiff Bat (*Eumops perotis californicus*)

Western Spadefoot (*Spea hammondii*)

Pocketed Free-Tailed Bat

SanBIOS Database

Bell's Sage Sparrow (*Amphispiza belli belli*)

Orange-Throated Whiptail (*Aspidoscelis hyperythra*)

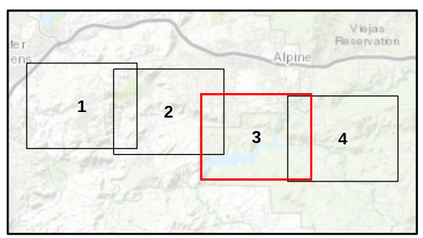
Pocketed Free-Tailed Bat (*Nyctinomops femorosaccus*)

Quino Checkerspot Butterfly (*Euphydryas editha quino*)

Red-Diamond Rattlesnake (*Crotalus ruber*)

Southern California Rufous-Crowned Sparrow (*Aimophila ruficeps canescens*)

Western Mastiff Bat (*Eumops perotis californicus*)



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Attachment F:
Recent and Historic Special-Status Wildlife Records
Map 4 of 4

Suncrest
230 Kilovolt Loop-In Project

Survey Area

Existing Suncrest Substation

Project Components

Proposed Pole Location

Proposed 230 kV OH Segment

Proposed 230 kV Eastern UG Segment

Sunrise Powerlink Project Data

Hermes Copper Butterfly (*Lycaena hermes*)

Loggerhead Shrike (*Lanius ludovicianus*)

Red Diamond Rattlesnake (*Crotalus ruber*)

Orange-throated Whiptail (*Aspidoscelis hyperythra*)

San Diego Horned Lizard (*Phrynosoma coronatum blainvillii*)

Two-striped Garter Snake (*Thamnophis hammondii*)

Sweetwater Authority Data

Arroyo Toad (*Anaxyrus californicus*)

Yellow-breasted Chat (*Icteria virens*)

Least Bell's Vireo (*Vireo bellii pusillus*)

California Natural Diversity Database

Arroyo Toad (*Anaxyrus californicus*)

Coast Horned Lizard (*Phrynosoma blainvillii*)

Coast Patch-nosed Snake (*Salvadora hexalepis virgultea*)

Cooper's Hawk (*Accipiter cooperii*)

Least Bell's Vireo (*Vireo bellii pusillus*)

Orange-throated Whiptail (*Aspidoscelis hyperythra*)

Red-diamond Rattlesnake (*Crotalus ruber*)

Southern California Legless Lizard (*Anniella stebbinsi*)

Southern California Rufous-crowned Sparrow (*Aimophila ruficeps canescens*)

Western Spadefoot (*Spea hammondii*)

SanBIOS Database

Arroyo Toad (*Anaxyrus californicus*)

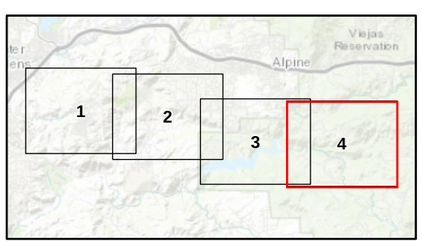
Bell's Sage Sparrow (*Amphispiza belli belli*)

Coast Horned Lizard (*Phrynosoma blainvillii*)

Hermes Copper (*Lycaena hermes*)

Red-Diamond Rattlesnake (*Crotalus ruber*)

Two-Striped Gartersnake (*Thamnophis hammondii*)



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ATTACHMENT G: FAUNAL COMPENDIUM

ATTACHMENT G: FAUNAL COMPENDIUM

Common Name	Scientific Name	Listing Status[1]
Amphibians	**Amphibia**	
True Frogs	Ranidae	
American bullfrog	*Lithobates catesbeianus*	-
Birds	**Aves**	
Hawks, Kites, Eagles, and Allies	Accipitridae	
Bald eagle	*Haliaeetus leucocephalus*	SE, FP, USFSS, BGEPA
Cooper's hawk	*Accipiter cooperii*	WL
Red-shouldered hawk	*Buteo lineatus*	-
Red-tailed hawk	*Buteo jamaicensis*	-
Bushtits	Aegithalidae	
Bushtit	*Psaltriparus minimus*	-
Herons, Bittern, and Allies	Ardeidae	
Great blue heron	*Ardea herodias*	-
Great egret	*Ardea alba*	-
Green heron	*Butorides virescens*	-
Snowy egret	*Egretta thula*	-
Cardinals, Grosbeaks, and Buntings	Cardinalidae	
Black-headed grosbeak	*Pheucticus melanocephalus*	-
Lazuli bunting	*Passerina amoena*	-
New World Vultures	Cathartidae	
Turkey vulture	*Cathartes aura*	-
Lapwings and Plovers	Charadriidae	
Killdeer	*Charadrius vociferus*	-
Pigeons and Doves	Columbidae	
Band-tailed pigeon	*Patagioenas fasciata*	-
Eurasian collared dove	*Streptopelia decaocto*	-

[1] Explanation of listing statuses:

Federal listing codes:
-FE: Federally listed as endangered
-FPT: Federally proposed for listing as threatened
-BGEPA: Bald and Golden Eagle Protection Act protected species
-USFSS: United States Forest Service Sensitive species

State listing codes:
-SSC: Species of special concern
-WL: Watch list species
-SE: State-listed as endangered
-FP: Fully protected species

Common Name	Scientific Name	Listing Status[1]
Mourning dove	*Zenaida macroura*	-
Crows and Jays	Corvidae	
American crow	*Corvus brachyrhynchos*	-
California scrub-jay	*Aphelocoma californica*	-
Common raven	*Corvus corax*	-
Chickadees and Titmice	Paridae	
Oak titmouse	*Baeolophus inornatus*	-
Cuckoos	Cuculidae	
Greater roadrunner	Geococcyx californianus	-
Caracaras and Falcons	Falconidae	
American kestrel	*Falco sparverius*	-
Fringilline and Cardueline Finches and Allies	Fringillidae	
House finch	*Haemorhous mexicanus*	-
Lawrence's goldfinch	*Spinus lawrencei*	-
Lesser goldfinch	*Spinus psaltria*	-
Swallows	Hirundinidae	
Cliff swallow	*Petrochelidon pyrrhonota*	-
Northern rough-winged swallow	*Stelgidopteryx serripennis*	-
Violet-green swallow	*Tachycineta thalassina*	-
Blackbirds	Icteridae	
Brown-headed cowbird	*Molothrus ater*	-
Red-winged blackbird	*Agelaius phoeniceus*	-
Mockingbirds and Thrashers	Mimidae	
California thrasher	*Toxostoma redivivum*	-
New World Quail	Odontophoridae	
California quail	*Callipepla californica*	-
Osprey	Pandionidae	
Osprey	*Pandion haliaetus*	-
Babblers	*Timaliidae*	
Wrentit	*Chamaea fasciata*	-
Wood-Warblers	Parulidae	
Common yellowthroat	*Geothlypis trichas*	-

Common Name	Scientific Name	Listing Status[1]
Orange-crowned warbler	*Leiothlypis celata*	-
Yellow-breasted chat	*Icteria virens*	SSC
Yellow warbler	*Setophaga petechia*	SSC
New World Sparrows	Passerellidae	
Black-chinned sparrow	*Spizella atrogularis*	-
California towhee	*Melozone crissalis*	-
Chipping sparrow	*Spizella passerina*	-
Song sparrow	*Melospiza melodia*	-
Spotted towhee	*Pipilo maculatus*	-
White-crowned sparrow	*Zonotrichia leucophrys*	-
Old World Sparrows	Passeridae	
House sparrow	*Passer domesticus*	-
Pheasants, Turkeys, and Grouse	Phasianidae	
Wild turkey	*Meleagris gallopavo*	-
Woodpeckers and Allies	Picidae	
Acorn woodpecker	*Melanerpes formicivorus*	-
Northern flicker	*Colaptes auratus*	-
Nuttall's woodpecker	*Dryobates nuttallii*	-
Gnatcatchers	Polioptilidae	
Blue-gray gnatcatcher	*Polioptila caerulea*	-
Rails, Crakes, and Coots	Rallidae	
American coot	*Fulica americana*	-
Starlings	Sturnidae	
European starling	*Sturnus vulgaris*	-
Hummingbirds	Trochilidae	
Allen's hummingbird	*Selasphorus sasin*	-
Anna's hummingbird	*Calypte anna*	-
Costa's hummingbird	*Calypte costae*	-
Wrens	Troglodytidae	
Bewick's wren	*Thryomanes bewickii*	-
Canyon wren	*Catherpes mexicanus*	-
House wren	*Troglodytes aedon*	-

Common Name	Scientific Name	Listing Status[1]
Tyrant Flycatchers	Tyrannidae	
Ash-throated flycatcher	*Myiarchus cinerascens*	-
Black phoebe	*Sayornis nigricans*	-
Cassin's kingbird	*Tyrannus vociferans*	-
Say's phoebe	*Sayornis saya*	-
Vireos	Vireonidae	
Least Bell's vireo	*Vireo bellii pusillus*	FE, SE
Insects	**Insecta**	
Beetles	Coleoptera	
Metallic wood-boring beetles	*Acmaeodera* sp.	-
Plant bugs	*Closterocoris amoenus*	-
Seven-spotted lady beetle	*Coccinella septempunctata*	-
Butterflies and Moths	Lepidoptera	
Behr's metalmark	*Apodemia virgulti*	-
Bernardino blue	*Euphilotes bernardino*	-
California sister	*Adelpha californica*	-
Checkered whites	*Pontia* sp.	-
Duskywings	*Erynnis* sp.	-
Hedgerow hairstreak	*Satyrium saepium*	-
Marine blue	*Leptotes marina*	-
Monarch	*Danaus plexippus*	FPT
Pale swallowtail	*Papilio eurymedon*	-
Sara orangetip	*Anthocharis sara*	-
White-lined sphinx	*Hyles lineata*	-
Dragonflies and damselflies	*Odonata*	
Damselflies	*Ischnura* sp.	-
Ants, Bees, Wasps, and Sawflies	Hymenoptera	
Black-tailed bumble bee	*Bombus melanopygus*	-
Western honey bee	*Apis mellifera*	-
Yellow-faced bumble bee	*Bombus vosnesenskii*	-

Common Name	Scientific Name	Listing Status[1]
Mammals	**Mammalia**	
Canines	Canidae	
Coyote	*Canis latrans*	-
Felines	Felidae	
Mountain lion	*Puma concolor*[2]	-
Rabbits and Hares	Leporidae	
Desert cottontail	*Sylvilagus audubonii*	-
Squirrels and Chipmunks	Sciuridae	
California ground squirrel	*Otospermophilus beecheyi*	-
Merriam's chipmunk	*Neotamias merriami*	-
Reptiles	**Reptilia**	
Boas	Boidae	
Coastal rosy boa	*Lichanura orcutti*	USFSS
Harmless Egg-Laying Snakes	Colubridae	
California kingsnake	*Lampropeltis californiae*	-
California striped racer	*Masticophis lateralis lateralis*	-
Coast patch-nosed snake	*Salvadora hexalepis virgultea*	SSC
North American spiny lizards	Phrynosomatidae	
Coast horned lizard	*Phrynosoma blainvillii*	SSC
Common side-blotched lizard	*Uta stansburiana*	-
Granite spiny lizard	*Sceloporus orcutti*	-
Great basin fence lizard	*Sceloporus occidentalis longipes*	-
Whiptails and Racerunners	Teiidae	
Coastal whiptail	*Aspidoscelis tigris stejnegeri*	SSC
Vipers	Viperidae	
Red-diamond rattlesnake	*Crotalus ruber*	SSC
Southern Pacific rattlesnake	*Crotalus oreganus helleri*	-

[2] This is based solely on a prey kill site that was observed.

ATTACHMENT 3.5-K: BOTANICAL RESOURCES SURVEY REPORT

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SAN DIEGO GAS & ELECTRIC COMPANY

SUNCREST 230 KILOVOLT LOOP-IN PROJECT

BOTANICAL RESOURCES SURVEY REPORT

MARCH 2026

PREPARED FOR:

SDGE™

TABLE OF CONTENTS

1 – INTRODUCTION 1
2 – PROJECT DESCRIPTION 1
2.0 Project Overview 1
2.1 Project Background and Need 1
2.2 Project Objectives and Purpose 1
2.3 Project Location 2
2.4 Project Components 5
2.5 Project Construction 5
2.6 Construction Schedule 6
2.7 Operations and Maintenance 6
3 – METHODS 6
3.0 Definitions 6
3.1 Literature and Database Review 7
3.2 Reference Population Search 8
3.3 Field Survey 8
3.4 Survey Limitations 12
4 – RESULTS 12
4.0 Existing Conditions 12
4.1 Literature and Database Review 16
4.2 Reference Population Search 16
4.3 Field Survey 19
5 – SUMMARY AND DISCUSSION 23
5.0 Summary 23
5.1 Discussion 24
6 – REFERENCES 25

LIST OF FIGURES

Figure 1: Proposed Project Overview Map 3
Figure 2: Reference Sites 9

LIST OF TABLES

Table 1: Survey Schedule 13
Table 2: Soils within the Survey Area 15
Table 3: Monthly Precipitation 16
Table 4: Vegetation Communities and Land Cover Types 20

LIST OF ATTACHMENTS

Attachment A: Survey Area Soils
Attachment B: Special-Status Plant Species with the Potential to Occur
Attachment C: Recent and Historic Special-Status Plant Records
Attachment D: Vegetation Communities and Land Cover
Attachment E: Special-Status Plant Photographs
Attachment F: Special-Status Plant Survey Results
Attachment G: Flora Compendium

1 – INTRODUCTION

San Diego Gas & Electric Company (SDG&E) proposes to construct the Suncrest 230 Kilovolt (kV) Loop-In Project (Proposed Project) to address reliability constraints identified by the California Independent System Operator (CAISO). The Proposed Project includes installation of a double-circuit 230 kV transmission line as well as modifications to the existing Suncrest Substation. SDG&E retained Insignia Environmental (Insignia) to conduct fully floristic botanical resources surveys for the Proposed Project and a 150-foot buffer (survey area), as depicted on Figure 1: Proposed Project Overview Map. This Botanical Resources Survey Report (report) was prepared to document the methods and findings of the field survey conducted during the spring and summer of 2025 in support of the Proposed Project.

2 – PROJECT DESCRIPTION

2.0 PROJECT OVERVIEW

The Proposed Project will involve the installation of a double-circuit 230 kV transmission line (proposed 230 kV transmission line), as well as modifications to an existing SDG&E substation (i.e., the Suncrest Substation).

2.1 PROJECT BACKGROUND AND NEED

The CAISO 2022-2023 Transmission Plan identified the need for the Proposed Project to upgrade the California electric grid to accommodate load growth. The Proposed Project will address CAISO-identified reliability constraints (i.e., operational challenges and thermal overloads) on SDG&E's existing Transmission Line (TL) 23054 and TL23055 from SDG&E's existing Suncrest Substation to the existing Sycamore Canyon Substation, as well as the existing transformers at the existing Suncrest Substation. In addition, the Proposed Project will help supply the increase in forecasted load related to regional electrification. Based on the long-term planning assessments, higher continuous ratings are required for the 230 kV transmission lines out of the existing Suncrest Substation to handle the existing and future load conditions.

2.2 PROJECT OBJECTIVES AND PURPOSE

The primary objective or purpose of the Proposed Project is to address operational challenges and thermal overloads on SDG&E's existing transmission lines from the Suncrest Substation to the Sycamore Canyon Substation, as well as the existing transformers at the Suncrest Substation, as identified by CAISO in its 2022-2023 Transmission Plan. More specifically, the Proposed Project includes the following objectives:

- meet SDG&E's obligation to implement the CAISO-approved project;
- improve system reliability for SDG&E's approximately 3.7 million energy customers as well as the electrical grid as a whole;
- increase capacity to meet the forecasted load demands related to electrification;

- address operational challenges and thermal overloads on SDG&E's existing transmission lines (i.e., TL23054 and TL23055);
- address operational challenges and thermal overloads on existing transformers at SDG&E's existing Suncrest Substation;
- achieve commercial operation by 2032 to timely address critical reliability issues within the transmission system;
- locate the Proposed Project on land adjacent to SDG&E's existing right-of-way or existing utility uses, or otherwise avoid, mitigate, or minimize significant environmental impacts in a manner consistent with prudent transmission planning to the extent practicable;
- construct, operate, and maintain the facility with safety as a top priority;
- maintain compliance with North American Electric Reliability Corporation standards; and
- avoid or mitigate significant adverse impacts to both the environment and community to achieve a project that is designed for the greatest public good and least private injury.

2.3 PROJECT LOCATION

As depicted in Figure 1: Proposed Project Overview Map, the Proposed Project will cross unincorporated communities within San Diego County, California, including private parcels and open space easements. In addition, the Proposed Project will traverse land managed and/or owned by the County of San Diego, United States (U.S.) Forest Service (USFS) (i.e., Cleveland National Forest [CNF]), Sweetwater Authority, Endangered Habitats Conservancy, and California Department of Fish and Wildlife (CDFW). One proposed staging yard will be located in the City of El Cajon.

The western end of the Proposed Project route begins on Vista De Montemar in unincorporated San Diego County in an underground configuration (i.e., Proposed 230kV Western Underground [UG] Segment). The route continues southeast on Vista De Montemar until reaching La Cresta Road. From there, the route turns east onto La Cresta Road and continues in an easterly direction until reaching Mountain View Road. The route continues in a northeasterly direction on Mountain View Road until turning south onto Al Bahr Road. The route continues on Al Bahr Road until turning east onto Canyon Rim Drive. Following Canyon Rim Drive, the route continues southeast until reaching cross-country terrain, where it switches back to an overhead configuration (i.e., Proposed 230kV Overhead [OH] Segment), first entering onto land owned by Sweetwater Authority and then entering the CNF. The route continues through the CNF in a northeasterly direction, switches to an underground configuration (i.e., Proposed 230kV Eastern UG Segment) just southeast of the existing Suncrest Substation and then loops into and terminates at the existing Suncrest Substation, located at the eastern end of the Proposed Project.

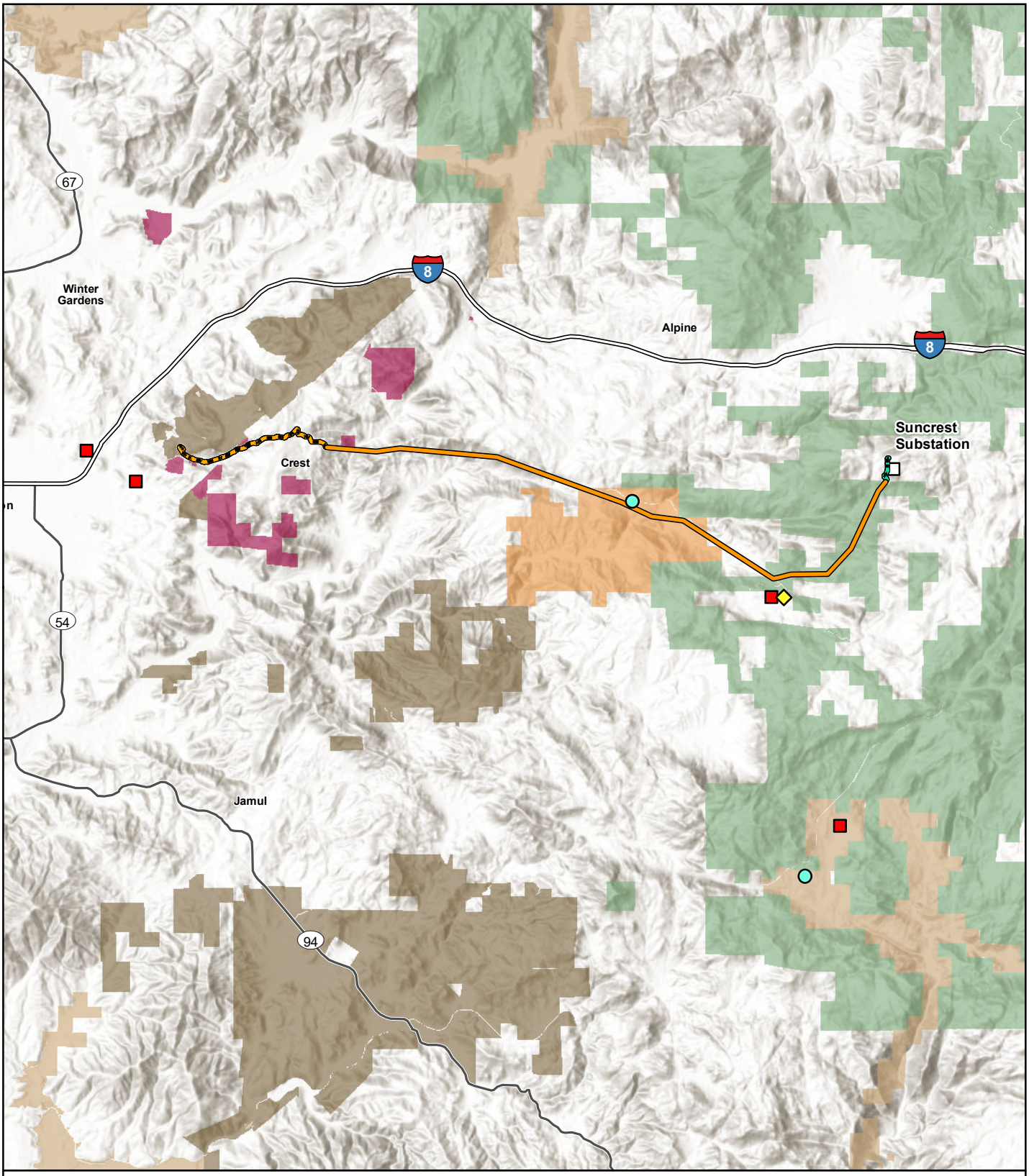

Figure 1: Proposed Project Overview Map — **Suncrest 230 Kilovolt Loop-In Project**

- Existing Suncrest Substation
- Fly Yard
- Staging Yard
- Staging/Fly Yard
- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Proposed 230 kV Western UG Segment
- Interstate
- Major Road/State Highway

Landownership

- California Department of Fish and Wildlife
- City of San Diego
- United States Forest Service
- Endangered Habitats Conservancy
- Sweetwater Authority

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2.4 PROJECT COMPONENTS

The Proposed Project includes the following main components:

- Construction of a proposed approximately 14.5 mile-long, double-circuit 230 kV transmission line consisting of overhead and underground configurations, which include the following segments as depicted on Figure 1: Proposed Project Overview Map:

  - the Proposed 230kV Western UG Segment;
  - the Proposed 230kV OH Segment; and
  - the Proposed 230kV Eastern UG Segment.

- Modifications inside the existing Suncrest Substation, which include the following:

  - installation of a 500/230 kV transformer bank and associated tertiary reactors, circuit breakers, disconnects, and communication equipment; and
  - construction of a 230 kV bay to accommodate the loop-in of TL23021 to the existing Suncrest Substation.

2.5 PROJECT CONSTRUCTION

The overhead portions of the transmission line will first require permanent access roads, permanent walking paths, or permanent helicopter takeoff and landing zones to be established at each structure location where current access does not exist. In addition, each structure location will require a temporary work area to facilitate construction, as well as a permanent work area to accommodate the permanent footprint of the structure. This process will involve vegetation clearing and blading, as required, to create a flat area to facilitate construction. For the overhead structures, one or more foundations for each structure will be constructed prior to the erection of tower structures or monopoles. Lastly, the conductors and optical ground wires will be strung along the transmission line alignment. Following construction, a portion of land surrounding the proposed structures and some access roads will remain clear of vegetation to facilitate future inspection and operations and maintenance (O&M).

The underground portion of the transmission line will include the installation of duct banks and utility vaults using open-cut trenching techniques, unless alternate methods (e.g., horizontal directional drilling) are required to cross existing facilities or sensitive resources. After installation of the duct banks, cable segments will be pulled into the duct banks, spliced at each of the vaults along the route as required, and terminated at the transition where the lines convert to overhead. At each end of the proposed 230 kV underground segment, the cables will rise out of the ground and terminate at cable poles to connect to the overhead portions of the transmission line. Following the completion of construction activities, the open trenches will subsequently be backfilled, paved or returned to pre-existing grade and contours, as practicable. Restoration activities will be conducted in accordance with negotiated agreements with landowners and in compliance with applicable permits.

Modifications to the existing Suncrest Substation will be conducted within the existing substation property and will not require expansion of the facility. Following the completion of

the modifications at the substation, testing and commissioning will be conducted before energization.

The Proposed Project will also require the establishment of temporary staging/fly yards, temporary stringing sites, temporary guard structures, and temporary construction work areas for use during construction. Temporarily impacted areas will be restored to near pre-construction grade and contours as practicable after work is complete. Restoration activities will be conducted in accordance with negotiated agreements with landowners and in compliance with applicable permits.

2.6 CONSTRUCTION SCHEDULE

Construction is anticipated to occur in two phases: construction of the proposed 230 kV transmission line and modifications to the existing Suncrest Substation. Construction of the proposed 230 kV transmission line is anticipated to begin in 2027. Modifications to the existing Suncrest Substation are anticipated to begin in 2028. Construction is anticipated to occur year-round or as authorized by permits and authorizations. Per the CAISO technical specifications, the Proposed Project is required to be energized by 2032.

2.7 OPERATIONS AND MAINTENANCE

SDG&E will conduct ongoing O&M of all Proposed Project components. These planned activities will involve regular inspections of facilities, repairs on an as-needed basis, and the maintenance of transmission line rights-of-way. O&M will be incorporated into SDG&E's existing programs with existing equipment, experienced staff, and contractors. SDG&E's local maintenance/technical staff and outside resources will respond to maintenance issues and emergency situations.

3 – METHODS

3.0 DEFINITIONS

The following subsections provide the definitions that were used in this report.

3.0.0 Special-Status Plant Species

Plants were considered special-status species if they met one or more of the following criteria:

- USFS Sensitive species.
- Species listed or proposed for listing as threatened or endangered under the federal Endangered Species Act (FESA) (Title 50 Code of Federal Regulations [Code of Fed. Regs.] Section 17.12 [listed plants], and various notices in the Federal Register [FR] [proposed species]).
- Species that are candidates for possible future listing as threatened or endangered under the FESA (61 FR § 40, February 28, 1996).

- Species listed or proposed for listing by the State of California (including candidate species) as threatened or endangered under the California Endangered Species Act (Title 14 California Code of Regulations [Cal. Code Regs.] Section 670.5).

- Species that meet the definitions of rare and endangered under the California Environmental Quality Act (CEQA). The CEQA Guidelines (Title 14 Cal. Code Regs. Section 15380) provide that a plant or animal species may be treated as "rare or endangered" even if not on one of the official lists.

- Species listed as rare or endangered under the California Native Plant Protection Act (California Fish and Game Code § 1900 et seq.).

- Species considered by the California Native Plant Society (CNPS) to be "rare, threatened or endangered in California" (California Rare Plant Rank [CRPR] 1A, 1B, 2A, and 2B), as well as CRPR 3 and 4 plant species, which are described as follows:

    - 1A, which is the designation for plants that are presumed extinct in California and rare/extinct elsewhere;
    - 1B, which is the designation for plants that are rare or endangered in California and elsewhere;
    - 2A, which is the designation for plants that are presumed extirpated in California, but are more common elsewhere;
    - 2B, which is the designation for plants that are rare, threatened, or endangered in California, but are more common elsewhere;
    - 3, which is the designation for plants about which more information is needed; and
    - 4, which is the designation for plants of limited distribution.

3.1 LITERATURE AND DATABASE REVIEW

Background research for the field survey was conducted through a literature and database review of the following resources:

- the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation database (USFWS 2025),

- the CDFW California Natural Diversity Database (CNDDB) (CDFW 2025),

- the CNPS Inventory of Rare and Endangered Plants of California (CNPS 2025),

- SDG&E data from surveys conducted in support of past projects (i.e., Sunrise Powerlink and CNF Electric Safety and Reliability Project [ESRP]) located in the vicinity of the Proposed Project and Sweetwater Authority data from surveys conducted in the vicinity of Loveland Reservoir, and

- the U.S. Department of Agriculture (USDA) Web Soil Survey (USDA 2025)

The CNDDB was queried by selecting all records within five miles of the survey area, and the CNPS was queried using the quadrangles that overlapped the survey area.

Other public databases, including Calflora (Calflora 2025), the Consortium of California Herbaria (CCH) (CCH 2025), and iNaturalist (iNaturalist 2025) were also utilized to research occurrence and phenology data, herbarium records in the vicinity of the survey area, and/or potential reference sites.

3.2 REFERENCE POPULATION SEARCH

Reference site visits were conducted in accordance with the CDFW's Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities guidelines (CDFW 2018). Reference sites were determined based on proximity to the survey area, time of year, extent of the population, and conservation status. Additionally, special-status plant species documented during previous survey efforts in the vicinity of the Proposed Project (i.e., Sunrise Powerlink Project, CNF ESRP, and the Sweetwater Authority survey data from Loveland Reservoir) were identified as potential reference sites. Reference site visits allowed surveyors to confirm blooming status, identify associated plants and habitat characteristics, and obtain a visual search image of the special-status plant species. Reference sites were visited for the following eight species:

- delicate clarkia (*Clarkia delicata*)
- Dehesa nolina (*Dehesa interrata*)
- Dunn's mariposa lily (*Calochortus dunnii*)
- Encinitas baccharis (*Baccharis vanessae*)
- felt leaved monardella (*Monardella hypoleuca* ssp. *lanata*)
- Palmer's goldenbush (*Ericameria palmeri* var. *palmeri*)
- rush like bristleweed (*Xanthisma junceum*)
- sticky geraea (*Geraea viscida*)

Reference sites that were visited are depicted in Figure 2: Reference Sites.

3.3 FIELD SURVEY

3.3.0 Vegetation Community Mapping

Reconnaissance-level field surveys were conducted to evaluate whether the survey area contained habitat suitable to support special-status species, to map vegetation communities and land cover types within the survey area, and to document observed plant and wildlife species between April 2, 2025, and July 18, 2025. The survey results, including vegetation community mapping results, are presented in the Biological Resources Technical Report (BRTR) for the Proposed Project (Insignia 2026) and are also summarized in Section 4.3.1 Vegetation Communities.

Figure 2:
Reference Sites

Suncrest
230 Kilovolt Loop-In Project

Proposed Project

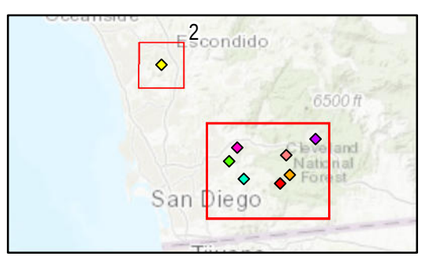
- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Proposed 230 kV Western UG Segment

Reference Site

- Dehesa Nolina (*Nolina interrata*)
- Delicate Clarkia (*Clarkia delicata*)
- Dunn's Mariposa Lily (*Calochortus dunnii*)
- Encinitas Baccharis (*Baccharis vanessae*)
- Felt-leaved Monardella (*Monardella hypoleuca* ssp. *lanata*)
- Palmer's Goldenbush (*Ericameria palmeri* var. *palmeri*)
- Rush Like Bristleweed (*Xanthisma junceum*)
- Sticky Geraea (*Geraea viscida*)

CLEVELAND
NATIONAL
FOREST

2



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SDGE

Vegetation communities were mapped based on habitats described in Section 3.2 of SDG&E's HCP Amendment (SDG&E 2023). Other non-vegetative land covers (e.g., rock outcrops, unimproved roads, and bare ground) were documented as well. The biologists identified dominant plant species and mapped the vegetation communities and land cover. Multiple methods were used to map the boundaries. Biologists primarily mapped boundaries of vegetation communities using submeter-accurate Global Positioning System (GPS) units to delineate boundaries. Boundaries that were mapped using satellite imagery, topographic contours, and soils map units were field verified. Photographs attached to polygons and/or points of potential special-status species habitat were documented using a submeter-accurate GPS unit.

Sensitive natural vegetation communities identified within the survey area are further discussed in Section 6.1.2 Sensitive Natural Communities in the BRTR (Insignia 2026). Since the HCP Amendment does not identify sensitive vegetation communities, Appendix E: SDG&E Vegetation Crosswalk in the HCP Amendment and dominant plant species within mapped vegetation communities were consulted to identify the CDFW Sensitive Natural Communities present within the survey area. These Sensitive Natural Communities are listed using the alliance name from the Manual of California Vegetation classification, rather than the broader HCP Amendment classification (Sawyer et al. 2009 and SDG&E 2023).

3.3.1 Special-Status Plants

The field surveys were conducted in accordance with survey guidelines published by the CNPS (2001), CDFW (2018), and USFWS (2000), which generally state the following:

- Surveys should be conducted at a time of year when the species are both evident and identifiable.
- Surveys must be fully floristic in nature, meaning each species, subspecies, or variety must be identified for every observed plant to determine its rarity status.
- Surveys must be conducted consistent with conservation ethics and accepted plant collection and documentation techniques.

Insignia biologists walked transects throughout the survey area to obtain 100 percent visual coverage. Transect spacing between surveyors was less than or equal to 10 meters. The intensity of the transect pattern and the speed at which the surveyors walked were variable and depended on the structural complexity of the habitat, the visibility of the special-status plant species, and the probability of special-status plant species occurring in a given area based on habitat characteristics. Care was taken to thoroughly search all unique features, soils, and habitats encountered that could have a higher probability for occurrence of special-status plant species.

Field survey timing and the total number of surveys required were determined by evaluating the blooming periods of special-status plant species with potential to occur and observations of blooming individuals during reference population visits. Reference population visits were conducted in accordance with the *Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities* (CDFW 2018) to determine whether those special-status plants were identifiable at the times of year the botanical field survey took place and to obtain a visual image of the special-status plants, associated habitat, and associated natural communities. As shown in Table 1: Survey Schedule, three rounds of surveys

were conducted that coincided with the blooming periods of special-status plant species that were determined to have potential to occur within the survey area.

Insignia biologists collected the following data at each special-status plant species occurrence:

- number of individuals present;
- percentage of individuals in bloom, fruit, or a vegetative state;
- habitat conditions;
- associated species; and
- date and time.

The locations of special-status plant species observed within the survey area were mapped using submeter-accurate Global Positioning System (GPS) units. The locations of all special-status plant species occurring individually or of multiple individuals within a five-foot radius were mapped as a point. Larger populations of special-status plant species were mapped as polygons by walking the perimeter of the populations.

3.4 SURVEY LIMITATIONS

Some portions of the Proposed Project were not accessed during the field surveys due to either the lack of landowner access permissions or steep topography and impenetrable vegetation. Therefore, these areas were not surveyed for special-status plant species. Inaccessible areas resulting from landowner access permissions occur on 13 parcels located throughout the survey area. Areas that were physically not traversable are located within the remote portions of CNF lands on the eastern side of the survey area. These areas are depicted in Attachment D: Vegetation Communities and Land Cover. Based on both binocular observations of these inaccessible areas from nearby vantage points and a desktop review, it is likely that these areas consist of similar habitats and are occupied by the same plant species found in the accessed portions of the survey area. Nonetheless, the inability to enter these areas may potentially have limited the plant species observations during the field surveys.

The detectability of some special-status plant species may have also been limited due to climatic conditions during the time of the surveys. Both the timing and quantity of precipitation may have impacted the expression of special-status plant species, particularly annuals and geophytes. Geophytes are perennial plants with an underground storage organ (i.e., tuber, bulb, rhizome, taproot, or corm) that allow individuals to go dormant during periods of unfavorable environmental conditions. Geophytes within the survey area may have remained dormant for the duration of the survey or may have died back earlier than would be expected due to drought conditions. Similarly, annuals within the survey area may not have germinated or bloomed or may have exhibited a reduced growing and blooming season.

4 – RESULTS

4.0 EXISTING CONDITIONS

This section provides the existing environmental conditions of the survey area, including the topography, soils, climate, and hydrological resources within the survey area.

Table 1: Survey Schedule

Survey	Date	Biologists	Weather (degrees Fahrenheit [˚F])
Round 1	4/28/2025	Kelly Otto, Matt Bristol	46-60; foggy
	4/29/2025	Kelly Otto, Matt Bristol	48-72; partly cloudy
	4/30/2025	Brian Cropper, Kelly Otto, Matt Bristol	47-73; foggy
	5/1/2025	Brian Cropper, Kelly Otto, Matt Bristol	50-68; partly cloudy
	5/2/2025	Brian Cropper, Kelly Otto, Matt Bristol	51-71; foggy
	5/7/2025	Cloe Hentz, Matt Bristol	54-73; partly cloudy
	5/8/2025	Cloe Hentz, Matt Bristol	62-80; foggy
	5/12/2025	Kelly Otto, Matt Bristol	48-72; foggy
	5/17/2025	Cloe Hentz, Matt Bristol	48-72; foggy
	5/22/2023	Cloe Hentz, Jim Pawlicki	53-83; foggy
Round 2	6/27/2025	Julie Roshala, Matt Bristol	56-86; foggy
	6/30/2025	Kelly Otto, Matt Bristol	62-89; partly cloudy
	7/1/2025	Alec Goodman, Matt Bristol	56-84; foggy
	7/2/2025	Leison Bernstein, Matt Bristol	55-79; foggy
	7/3/2025	Jim Pawlicki, Matt Bristol	56-79; foggy
	7/8/2025	Kelly Otto, Matt Bristol	67-89; partly cloudy
	7/9/2025	Kelly Otto, Matt Bristol	71-92; sunny
	7/11/2025	Cloe Hentz, Kelly Otto	56-85; sunny
	7/17/2025	Cloe Hentz, Kelly Otto	60-82; partly cloudy
	7/18/2025	Cloe Hentz, Kelly Otto	61-79; partly cloudy
Round 3	8/25/2025	Jaycie Roshala, Matt Bristol	67-92; partly cloudy
	8/26/2025	Jaycie Roshala, Matt Bristol	70-88; partly cloudy
	8/27/2025	Jaycie Roshala, Matt Bristol	68-91; mostly sunny
	8/28/2025	Jaycie Roshala, Jim Pawlicki	67-75; showers
	8/29/2025	Jaycie Roshala, Jim Pawklicki	69-91; sunny
	9/2/2025	Jaycie Roshala, Kelly Otto	73-94; scattered thunderstorms
	9/3/2025	Jaycie Roshala, Jim Pawklicki	58-82; sunny
	9/4/2025	Jaycie Roshala, Jim Pawklicki	60-83; sunny

4.0.0 Geography and Soils

The survey area is located within topography ranging in elevation from approximately 800 feet above mean sea level (AMSL) near Harbison Canyon located near the western end of the Proposed Project to approximately 3,000 feet AMSL at the existing Suncrest Substation, located at the eastern end of the Proposed Project. The surface topography crossed by the survey area is relatively steep, traversing numerous ridges, canyons, and hillsides with average slopes that are greater than 25 percent. The survey area is located within the U.S. Geological Survey 7.5-minute series topographic quadrangles for El Cajon, Alpine, and Viejas Mountain.

Soils in the survey area are primarily composed of sandy loams, which are detailed in Table 2: Soils within the Survey Area and depicted on Attachment A: Survey Area Soils (USDA 2025). These soils are typically characterized as well-drained soils.

4.0.1 Climate and Hydrology

The nearest weather station to the survey area is located in the unincorporated community of Alpine. This station records an average annual rainfall of 13.3 inches, with the majority of precipitation falling between November and March. The average annual temperature at this station is 64°F, with the monthly maximum reaching 104°F and the monthly minimum approaching 30°F (Applied Climate Information System [ACIS]) 2025). As detailed in Table 3: Monthly Precipitation, the total precipitation during the 2024/2025 rainy season (i.e., November to March) was substantially lower than the 2023/2024 rainy season.

The survey area is located within the following three watersheds:

- the Lower San Diego River Watershed encompasses the western portion of the survey area along La Cresta Road,
- the Middle Sweetwater River Watershed encompasses the central portion of the survey area from La Cresta Road and continuing east to Loveland Reservoir, and
- the Upper Sweetwater River Watershed encompasses the eastern portion of the survey area from Loveland Reservoir and continuing northeast to the existing Suncrest Substation.

Within the portion of the survey area that overlaps the Lower San Diego River Watershed, ephemeral features generally flow south into Forester Creek. This creek crosses the survey area in some areas, but is mostly located just outside of the survey area where it flows toward the west. Forester Creek is a tributary of the San Diego River.

Within the portion of the survey area that overlaps the Middle Sweetwater River Watershed, ephemeral features generally flow toward the east, west, and north toward Harbison Canyon, where a perennial stream is located. This stream is a tributary to the Sweetwater River. Then to the east of Harbison Canyon, ephemeral and intermittent features flow south toward the North Fork Sweetwater River. The North Fork Sweetwater River is located south of the survey area and flows southeast, eventually meeting the Sweetwater River.

Table 2: Soils within the Survey Area

Soil Map Unit Name	Approximate Acreage within the Survey Area
CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony	153.34
VvG - Vista rocky coarse sandy loam, 30 to 65 percent slopes	88.61
FeE - Fallbrook rocky sandy loam, 9 to 30 percent slopes	76.51
FaD2 - Fallbrook sandy loam, 9 to 15 percent slopes, eroded	43.73
FvE - Fallbrook-Vista sandy loams, 15 to 30 percent slopes	40.21
RaD2 - Ramona sandy loam, 9 to 15 percent slopes, eroded	38.99
CnE2 - Cieneba-Fallbrook rocky sandy loams, 9 to 30 percent slopes, eroded	34.68
AcG - Acid igneous rock land	24.70
ClG2 - Cieneba coarse sandy loam, 30 to 65 percent slopes, eroded	22.83
VsG - Vista coarse sandy loam, 30 to 65 percent slopes, MLRA 20	20.53
FvD - Fallbrook-Vista sandy loams, 9 to 15 percent slopes	17.45
PfC - Placentia sandy loam, thick surface, 2 to 9 percent slopes	17.28
FaE2 - Fallbrook sandy loam, 15 to 30 percent slopes, eroded	16.29
FeE2 - Fallbrook rocky sandy loam, 9 to 30 percent slopes, eroded	15.82
VaC - Visalia sandy loam, 5 to 9 percent slopes	14.13
CnG2 - Cieneba-Fallbrook rocky sandy loams, 30 to 65 percent slopes, eroded	12.74
W – Water	4.69
VsD2 - Vista coarse sandy loam, 9 to 15 percent slopes, eroded	4.45
Rm – Riverwash	2.26
FaC - Fallbrook sandy loam, 5 to 9 percent slopes	1.62
VvE - Vista rocky coarse sandy loam, 15 to 30 percent slopes	1.40
GrB - Greenfield sandy loam, 2 to 5 percent slopes	1.22
LpD2 - Las Posas fine sandy loam, 9 to 15 percent slopes, eroded	0.84
VsE - Vista coarse sandy loam, 15 to 30 percent slopes, MLRA 20	<0.01
Total	**654.31**

Source: United States Department of Agriculture Web Soil Survey 2025.

Table 3: Monthly Precipitation

Year	Rainfall by Month (Inches)												Total
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	
2023	9.11	3.81	8.07	0.11	0.34	0.18	0.00	1.48	0.23	0.20	1.55	1.12	26.20
2024	4.73	6.56	4.23	1.14	0.20	0.00	0.00	0.04	0.00	0.00	0.32	0.02	17.24
2025	1.00	2.67	4.33	0.85	0.70	0.09	0.00	0.19	0.23	0.06	-	-	-

Source: Applied Climate Information System. 2025. WETS table.
Note: "-" indicates that this value is not available due to incomplete data.

Within the portion of the survey area that overlaps the Upper Sweetwater River Watershed, the Sweetwater River and Taylor Creek cross the survey area and flow south and southeast, respectively, into Loveland Reservoir. Farther east of Taylor Creek, ephemeral features similarly flow south and southeast. Then just east of Japatul Road, Taylor Creek crosses the survey area again and flows north. Between this upstream crossing of Taylor Creek and the existing Suncrest Substation, ephemeral, intermittent, and perennial features generally flow toward the east, eventually into Taylor Creek outside of the survey area. Peterson Canyon, where a perennial stream is located, crosses the survey area to the southwest of the existing Suncrest Substation.

4.1 LITERATURE AND DATABASE REVIEW

Based on the literature and database review, Insignia compiled a list of 121 special-status plant species that were reviewed for their potential to occur within the survey area. Of those, a total of 62 species have a moderate or high potential to occur within five miles of the survey area. A list of these species and further details about their listing status, life history, blooming period, and a brief assessment of their potential to occur within the survey area are described in Attachment B: Special-Status Plant Species with the Potential to Occur. Attachment C: Recent and Historic Special-Status Plant Records depicts the locations of all special-status plant occurrences in the CNDDB within five miles of the survey area.

4.2 REFERENCE POPULATION SEARCH

Prior to the fully floristic botanical surveys, reference checks were conducted at eight locations within five miles[1] of the survey area, as depicted on Figure 2: Reference Sites. Locations that have historically documented occurrences of special-status plants, but are located on private property were deemed inaccessible, and therefore were not visited. The following subsections describe each reference site used for the Proposed Project surveys.

Delicate Clarkia

The delicate clarkia reference site is associated with a previously collected voucher specimen (Catalog Number UC1790017) (CCH 2025). This site is located within the Crestridge Ecological Reserve to the west of the community of Crest and approximately 0.79 mile north of the survey

[1] The reference site for Encinitas baccharis is located over five miles from the survey area due to the surveyors' inability to access any sites within five miles of the survey area.

area. Habitat within the site consists of coast live oak woodland at an elevation of approximately 1,345 feet. Approximately 200 individuals were observed growing within openings and along the edge of the oak tree canopy. The observed plants were in bloom during the reference site visit on May 2, 2025. The reference site was previously visited on April 14 and 21, 2025; and no plants were observed in bloom. Associated species included coast live oak (*Quercus agrifolia*), winecup clarkia (*Clarkia purpurea*), mustard (*Sisymbrium* spp.), wild oats (*Avena* spp.), and common catchfly (*Silene gallica*).

Dehesa Nolina

The Dehesa nolina reference site is associated with a previously recorded observation (Calflora ID mu37995) (Calflora 2025). This site is located along the north side of Skyline Truck Trail in the community of Jamul. The observation is along a south-facing slope, approximately 5.3 miles south of the survey area. Habitat within the site consists of chaparral at an elevation of 1,740 feet. One individual was observed during the site visit on July 8, 2025. The individual was not in bloom at the time of the visit. *Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities* (CDFW 2018) state that reference sites should be observed "... to obtain a visual image of the special status plants, associated habitat, and associated natural communities." This reference site was visited in accordance with the CDFW protocol to allow the surveyors to calibrate the identification of species based on its locally adapted morphology and growth habit. Associated species included chamise (*Adenostoma fasciculatum*), laurel sumac (*Malosma laurina*), and chaparral yucca (*Hesperoyucca whipplei*).

Dunn's Mariposa Lily

The Dunn's mariposa lily reference site is associated with a previously recorded observation (Calflora ID po28602) (Calflora 2025). This site is located adjacent to Old Highway 80 to the east of the unincorporated community of Guatay, approximately 6.8 miles northeast of the survey area. Habitat within the site consists of chaparral at an elevation of 3,828 feet. One plant was observed blooming on June 3, 2025. The reference site was previously visited on May 8 and 22, 2025. Associated species include golden star (*Bloomeria crocea*), big sagebrush (*Artemisia tridentata*), California buckwheat (*Eriogonum fasciculatum*), and showy penstemon (*Penstemon spectabilis*).

Encinitas Baccharis

The Encinitas baccharis reference site is associated with a previously recorded observation (Calflora ID wb2179-107) (Calflora 2025). This site is located to the northeast of the Olivenhain Dam and Reservoir in unincorporated San Diego County. Although this reference population is located 22.9 miles from the survey area, it is the closest location that was accessible to the surveyors. Habitat within the site consists of chaparral at an elevation of 1,223 feet. One plant was observed blooming and in bud at the site on August 2, 2025. Associated species include woollyleaf ceanothus (*Ceanothus tomentosus*), chamise, laurel sumac, black sage (*Salvia mellifera*), lemonade berry (*Rhus integrifolia*), and wart-stemmed ceanothus (*Ceanothus verrucosus*).

Felt Leaved Monardella

The felt leaved monardella reference site is associated with a previously recorded observation (Calflora ID io142892 and io142893) (Calflora 2025). This site is located just east of Lyons Valley Road within a drainage that flows toward the south in unincorporated San Diego County and approximately 4.2 miles southeast of the survey area. Habitat within the site consists of coast live oak woodland at an elevation of 2,158 feet. Plants were mostly vegetative with some buds emerging during the first site visit on June 23, 2025. The site was revisited on June 30, 2025, and plants were still in bud. The first flower was observed on July 17, 2025. One additional reference check was performed on August 8, 2025 to determine if the species was still flowering during the third round of surveys. Flowering was determined to be complete at the reference site. Associated species include coast live oak, poison oak (*Toxicodendron diversilobum*), and California fuchsia (*Epilobium canum*).

Palmer's Goldenbush

The Palmer's goldenbush observed reference site is associated with a previously recorded observation (Calflora ID cbo51801) (Calflora 2025). This site is located just north of Dehesa Road in unincorporated San Diego County, approximately 1.4 miles south of the survey area. Habitat within the site consists of coastal sage scrub at an elevation of 570 feet. Plants were vegetative during the first site visit on July 9, 2025 and when the site was revisited on September 2, 2025. This variety of the species is only known to occur in San Diego County and can therefore be identified throughout the year, even without flowers. *Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities* (CDFW 2018) state that reference sites should be observed "... to obtain a visual image of the special status plants, associated habitat, and associated natural communities." This reference site was visited in accordance with the CDFW protocol to allow the surveyors to calibrate the identification of this species based on its locally adapted morphology and growth habit. Associated species include California buckwheat and California sagebrush (*Artemisia californica*).

Rush Like Bristleweed

The rush like bristleweed reference site is associated with a previously recorded observation from rare plant surveys conducted in 2009 for SDG&E's Sunrise Powerlink Project. This site is located within the survey area to the southeast of the existing Suncrest Substation. Habitat within the site consists of chaparral dominated by chamise along a rocky outcrop at an elevation of 3,066 feet. Multiple individuals were blooming at the site on June 30, 2025. Associated species include chamise, deerweed (*Acmispon glaber*), and California buckwheat.

Sticky Geraea

The sticky geraea reference site is associated with a previously recorded observation (Calflora ID io142891) (Calflora 2025). This site is located just east of Lyons Valley Road near the Horsethief Canyon Trailhead in unincorporated San Diego County, approximately 3.1 miles southeast of the survey area. Habitat within the site consists of coastal sage scrub at an elevation of 2,479 feet. Historically, this site was likely chaparral habitat; however, it is located within the burned area of the 2020 Valley Fire. As a result, the site is dominated by coastal sage scrub species as it is still recovering. Three plants were observed blooming and in bud at the site on

June 23, 2025. The site was revisited on June 30, 2025 to confirm individuals were still in bloom, which they were. with some starting to fruit. Associated species include California buckwheat, deerweed, Alderson's rush-rose (*Crocanthemum aldersonii*), and chamise.

4.3 FIELD SURVEY

This section describes the results of the field survey efforts, including the survey schedule and vegetation communities and special-status plants identified during the surveys.

4.3.0 Field Survey Schedule

Between April 28, 2025 and September 4, 2025 Insignia biologists conducted fully floristic botanical surveys to identify occurrences of special-status plants and characterize the vegetation communities within the survey area, as detailed in Table 1: Survey Schedule. All observed special-status plant species were photographed and recorded using a submeter-accurate GPS unit.

4.3.1 Vegetation Communities

Seventeen vegetation communities and landcover types were identified in the survey area during the biological survey for the Proposed Project as shown in Table 4: Vegetation Communities and Land Cover Type. Of the 17 vegetation communities and land cover types identified in the survey area during the biological survey, seven are considered to be sensitive natural vegetation communities including chaparral, coastal sage scrub, coastal sage/chaparral mix, open Engelmann oak woodland, riparian forest, riparian woodland, and coast live oak riparian forest. Vegetation communities mapped within the survey area are discussed in further detail in the BRTR (Insignia 2026) and are depicted in Attachment D: Vegetation Communities and Land Cover.

As discussed in Section 3.4 Survey Limitations, several portions of the survey area were unable to be surveyed; therefore, vegetation communities were estimated via binocular survey and/or desktop review. The portions that were unable to be physically surveyed are also shown in Attachment D: Vegetation Communities and Land Cover.

4.3.2 Special-Status Plants

Insignia biologists identified 257 plant species during the surveys, and of those, eight plant species are considered special status. Each of the eight species are described in the following subsections. Representative photographs of the special-status plants, reference sites, and habitats are depicted in Attachment E: Special-Status Plant Photographs. The locations of special-status plant species within the survey area are depicted in Attachment F: Special-Status Plant Survey Results. A compendium of all plant species observed within the survey area during the field survey is provided in Attachment G: Flora Compendium.

Table 4: Vegetation Communities and Land Cover Types

Vegetation Community or Land Cover Type	Approximate Acreage within the Survey Area
Upland Vegetation Communities	
Coastal Sage Scrub	222.19
Chaparral	162.27
Coastal Sage/Chaparral Mix	37.84
Landscaped/Ornamental	23.31
Disturbed	18.60
Buckwheat Scrub	5.65
Agriculture	1.74
Open Oak Woodland	1.70
Open Engelmann Oak Woodland	1.10
Non-Native Grassland	0.50
Subtotal	***474.91***
Riparian Vegetation Communities	
Coast Live Oak Riparian Forest	7.97
Riparian Woodland	5.06
Non-Vegetated	4.59
Riparian Forest	2.69
Subtotal	***20.31***
Land Cover Types	
Developed	66.12
Bare Ground	16.27
Concrete Lined Channel	<0.01
Subtotal	***82.38***
Total	**577.60**

Delicate Clarkia (CRPR 1B.2)

Delicate clarkia observed within the survey area is closely associated with coast live oak trees found along drainages. Other associated species include winecup clarkia, Ramona clarkia (*Clarkia similis*), and wild oats. Delicate clarkia was often observed growing along the margins of the oak canopy in grassy openings or openings in coastal sage scrub habitat. A total of 640 individuals were mapped as points within the survey area. A total of 2,105 individuals were mapped within polygons covering 0.13 acres of habitat within the survey area. These polygons were mapped as 13 discrete areas as depicted in Attachment F: Special-Status Plant Survey Results. The largest population of the species (approximately 750 individuals) was observed along the banks of the Sweetwater River in the central portion of the survey area. This portion of the river is affected by water levels in Loveland Reservoir, which likely increases the soil moisture levels and allows delicate clarkia to thrive on a slope bordered by coast live oak trees to the east and chaparral to the west. This population also corresponds to a CNDDB occurrence (element occurrence index [EONDX] 108,460). Delicate clarkia was also observed within grassy openings in coastal sage scrub habitat near Harbison Canyon in the western portion of the survey area. Unlike most other individuals observed, these individuals are not closely associated with drainages. Another population observed within the survey area is located just northeast of an occurrence in the CNDDB (EONDX 108,459).

Engelmann Oak (CRPR 4.2)

Engelmann oak (*Quercus engelmannii*) observed within the survey area is limited, with the highest number of individuals occurring in the eastern portion of the survey area near the existing Suncrest Substation. These individuals are located on a south-facing slope surrounded by coastal sage scrub near a drainage, and within upland habitat around the existing Suncrest Substation. A total of 51 individuals were mapped as points within the survey area. A total of six individuals were mapped within a polygon covering 0.14 acre of habitat within the survey area. This polygon and point features are depicted in Attachment F: Special-Status Plant Survey Results.

Munz's Sage (CRPR 2B.2)

Munz's sage (*Salvia munzii*) observed within the survey area is limited to one general area near the intersection of Japatul, Tavern, and Dehesa roads within coastal sage scrub habitat in the eastern portion of the survey area. Individuals are locally abundant at this location and are the dominant shrub in some areas. Other associated species include San Diego County viguiera (*Bahiopsis laciniata*), California sagebrush, California buckwheat, and desertbroom baccharis (*Baccharis sarothroides*). This population extends down Japatul Road for approximately 0.25 mile. This population also corresponds to an occurrence in the CNDDB (EONDX 100,663). A total of 14 individuals were mapped as points within the survey area. A total of 2,340 individuals were mapped within polygons covering 1.88 acres of habitat within the survey area. These polygons were mapped as four discrete areas but are all in close proximity at one general area as depicted in Attachment F: Special-Status Plant Survey Results.

Palmer's Goldenbush (CRPR 1B.1)

Palmer's goldenbush observed within the survey area is limited, with the highest number of individuals occurring within CNF-managed lands in the eastern portion of the survey area near

the existing Suncrest Substation. These individuals were observed in a pocket of coastal sage scrub bordered by coast live oak riparian forest and chaparral. Associated species include California buckwheat, chaparral whitethorn (*Ceanothus leucodermis*), white sage (*Salvia apiana)*, big berry manzanita (*Arctostaphylos glauca*), and coast live oak. A total of 15 individuals were mapped as points within the survey area. No polygons were mapped to record this species. The points were mapped in two general areas as depicted in Attachment F: Special-Status Plant Survey Results.

Robinson's Pepper-Grass (CRPR 4.3)

Robinson's pepper-grass (*Lepidium virginicum* var. *robinsonii*) observed within the survey area is found within openings in chaparral, coastal sage scrub, and coastal sage/chaparral mix and along the margins of shrubs within those habitats throughout the survey area. These individuals were observed occurring with a variety of associated species including San Diego County viguiera, California sagebrush, California buckwheat. Individuals appear to be more common in coastal sage scrub habitats since more openings between shrubs exist. A total of 336 individuals were mapped as points within the survey area. A total of 1,260 individuals were mapped within polygons covering 0.12 acre of habitat within the survey area. These polygons were mapped as five discrete areas as depicted in Attachment F: Special-Status Plant Survey Results.

Rush Like Bristleweed (CRPR 4.3)

Rush like bristleweed observed within the survey area is locally abundant in patches near the existing Suncrest Substation and has fewer numbers within areas surrounding Loveland Reservoir. This species was typically observed in relatively open chaparral dominated by chamise, especially within and near rocky outcrops. This species was observed at the same location as it was previously documented during surveys conducted for SDG&E's Sunrise Powerlink Project; however, more individuals were observed than were documented during those surveys. A total of 162 individuals were mapped as points within the survey area. A total of 11 individuals were mapped within one polygon covering less than 0.01 acre of habitat within the survey area. This polygon and point features are depicted in Attachment F: Special-Status Plant Survey Results.

San Diego County Viguiera (CRPR 4.3)

San Diego County viguiera observed within the survey area is widespread in the western portion of the survey area within coastal sage scrub habitat. In many areas, this species is the dominant species across entire slopes of ridges and hills. Other associated species include California sagebrush, California buckwheat, laurel sumac, and deerweed. This species becomes less common as the survey area continues east, and then chaparral habitat is more common. A total of 1,183 individuals were mapped as points within the survey area. A total of 49,233 individuals were mapped within polygons covering 124.41 acres of habitat within the survey area. These polygons were mapped as 52 discrete areas as depicted in Attachment F: Special-Status Plant Survey Results.

San Diego Sagewort (CRPR 4.2)

San Diego sagewort (*Artemisia palmeri*) observed within the survey area is closely associated with drainages and was typically observed along the banks or within the bed of drainages

consisting of coast live oak riparian forest. Other associated species include blue elderberry (*Sambucus mexicana*), desertbroom baccharis, and coast live oak. Individuals historically observed along the Sweetwater River appear to have been extirpated as a result of fluctuating water levels in Loveland Reservoir. Several individuals observed along Forester Creek are located just east of an occurrence in the CNDDB (EONDX 41,411). A total of 22 individuals were mapped as points within the survey area. No polygons were mapped to record this species. The points are depicted in Attachment F: Special-Status Plant Survey Results.

5 – SUMMARY AND DISCUSSION

The following subsections provide a summary of special-status plant species observed during the 2025 botanical resources surveys and a discussion of the survey results.

5.0 SUMMARY

Eight special-status species were observed during the 2025 surveys, including delicate clarkia, Engelmann oak, Munz's sage, Palmer's goldenbush, Robinson's pepper-grass, rush like bristleweed, San Diego County viguiera, and San Diego sagewort. None of the special-status species observed in the survey area are federally or state-listed species, and none of the species are covered under the 2023 SDG&E Habitat Conservation Plan Amendment. All of the species observed are only listed as sensitive by the CRPR, which includes the following:

- one CRPR 1B.1 species,
- one CRPR 1B.2 species,
- one CRPR 2B.2 species,
- two CRPR 4.2 species, and
- three CRPR 4.3 species.

Of the eight special-status plant species observed in the survey area, San Diego County viguiera is by far the most widespread and abundant. It is often ubiquitous within coastal sage scrub habitat throughout the majority of the survey area. Several of the other special-status species observed, while not as widespread as San Diego County viguiera, are locally abundant where they are present, including delicate clarkia, Engelmann oak, Munz's sage, Robinson's peppergrass, and rush like bristleweed. Palmer's goldenbush and San Diego sagewort are the least populus of the special-status species observed in the survey area, as only few individuals of each species were observed in total.

Delicate clarkia and Robinson's pepper-grass are both patchily distributed across most of the survey area. Delicate clarkia is most often associated with grassy openings within either oak canopies or coastal sage scrub along or near drainages, whereas Robinson's pepper-grass is more widespread, occurring in chaparral, coastal sage scrub, and coastal sage scrub/chaparral mix habitats. The range of Engelmann oak, Munz's sage, and rush like bristleweed are restricted to only certain portions of the survey area. Engelmann oak and Munz's sage were only observed in coastal sage scrub habitats in the central and eastern portions of the survey area, and rush like bristleweed was only observed in chaparral by the existing Suncrest Substation and Loveland Reservoir. Finally, Palmer's goldenbush and San Diego sagewort—the two species with the least

abundant numbers in the survey area—are present only in CNF lands in the eastern portion of the survey area and along Forester Creek, respectively.

As previously discussed in Section 3.4, 13 parcels and a portion of CNF lands were not surveyed for special-status plant species. The 13 parcels that were inaccessible consist mostly of coastal sage scrub and chaparral habitats, as well as smaller portions of riparian woodland, agriculture, bare ground, developed land, and disturbed habitat. The CNF lands consist entirely of dense chaparral habitat. The chaparral, chaparral/coastal sage scrub mix, and coastal sage scrub in these areas could also support delicate clarkia, Engelmann oak, Munz's sage, Palmer's goldenbush, rush like bristleweed, San Diego County viguiera, and Robinson's pepper-grass. The non-native grassland could support delicate clarkia, and the riparian woodland could support delicate clarkia and San Diego sagewort. Several other species listed in Attachment B: Special-Status Plant Species with the Potential to Occur that were determined to have a moderate or high potential to occur may also be present in these habitat types. The remaining vegetation communities and land cover types (e.g., agriculture, bare ground, developed land, and disturbed habitat) are unlikely to support special-status plant species.

5.1 DISCUSSION

Several factors could have impacted the diversity and abundance of special-status plant species observed within the survey area during the 2025 surveys, including composition and density of vegetation communities in the survey area, morphological conditions of special-status plant species, anthropogenic disturbances, and precipitation. Both the timing and quantity of precipitation could impact the expression of special-status plant species, particularly annuals and geophytes. Geophytes within the survey area may have remained dormant for the duration of the survey or may have died back earlier than would be expected due to drought conditions. Similarly, annuals within the survey area may not have germinated or bloomed or may have exhibited a reduced growing and blooming season.

The majority of the survey area is composed of steep, rolling hills with undisturbed, dense, and shrubby vegetation. Suitable habitat for some special-status plant species appears to be limited to areas with certain biological and physical conditions. These conditions include openings within scrub habitats, habitat with lower shrub density, habitat with higher shrub diversity, edge habitats, and habitat adjacent to aquatic features. Local abundance of some special-status plant species within these microhabitats is evidenced by an increase in abundance of special-status species observed near or in close proximity to aquatic features throughout the survey area, most notably near Loveland Reservoir, as well as near the existing Suncrest Substation, where shrub diversity increases and density is variable.

Although the majority of the survey area consists of moderate- and high-quality vegetation, several portions are within and adjacent to areas that have been subjected to anthropogenic disturbances (i.e., mowing, urbanization, and introduction of non-native and invasive plant species). These areas are generally limited to portions of the survey area that are adjacent to residential areas and along road shoulders; however, these types of disturbances could also impact special-status plant species diversity and abundance throughout the entire survey area. Overall, anthropogenic disturbance is limited in the eastern portion of the survey area.

Anthropogenic disturbance is limited to the existing facilities, Suncrest Substation, and Sunrise towers.

Differences in precipitation levels and timing of rain events also could have affected the ability of many annual and geophytic special-status plant species to grow and be detected. Although the annual precipitation within the region was above average, as shown in Table 3: Monthly Precipitation, the timing of rainfall could have affected detectability of annuals and geophytes. The lack of observation of species like Dunn's mariposa lily and Peninsular spineflower, which were both observed in abundance in portions of the survey area during survey efforts for the SDG&E Sunrise Powerlink Project and CNF ESRP, could be correlated to a less productive growing season resulting from lack of suitable amounts of rainfall occurring at the ideal time of year. For instance, the timing of rainfall in the 2024-2025 rainy season in the late winter to early spring is not ideal for many native annuals and geophytes. These species generally prefer significant rainfall in December and January. These species may have experienced a shortened blooming period in which identification to the species level was unable to be determined or they may not have bloomed at all during the 2025 growing season.

Although several factors may have affected the observable occurrences of certain special-status species during the 2025 surveys, it is also likely that despite the presence of suitable habitat, some species are simply not present in the survey area. Several species, specifically perennial shrubs or succulents (e.g., Dehesa nolina), would have been observable during the survey despite whether blooming occurred this season. Additionally, some species (e.g., felt leaved monardella, Encinitas baccharis, and sticky geraea) were observed blooming at nearby reference sites, but were never observed during the surveys, further indicating that they may not occur in the survey area.

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ATTACHMENT A: SURVEY AREA SOILS

Attachment A:
Survey Area Soils
Map 1 of 12

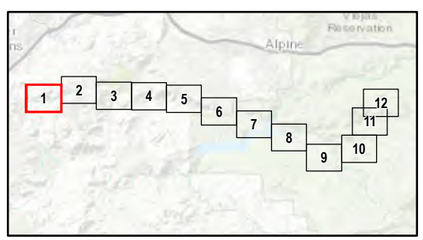
Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV Western UG Segment
Survey Area

Soil Type

- AcG - Acid igneous rock land
- CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony
- CnE2 - Cieneba-Fallbrook rocky sandy loams, 9 to 30 percent slopes, eroded
- FeE2 - Fallbrook rocky sandy loam, 9 to 30 percent slopes, eroded
- GrB - Greenfield sandy loam, 2 to 5 percent slopes
- VaC - Visalia sandy loam, 5 to 9 percent slopes
- VsD2 - Vista coarse sandy loam, 9 to 15 percent slopes, eroded
- VsG - Vista coarse sandy loam, 30 to 65 percent slopes, MLRA 20

Forester Creek



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Attachment A:
Survey Area Soils
Map 2 of 12

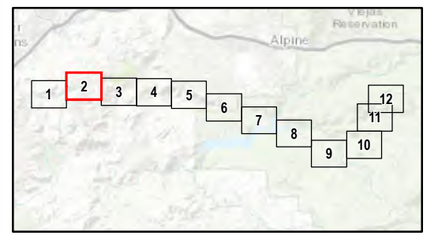
Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV Western UG Segment
Survey Area
Harbison Canyon

Soil Type

CnE2 - Cieneba-Fallbrook rocky sandy loams, 9 to 30 percent slopes, eroded
FaD2 - Fallbrook sandy loam, 9 to 15 percent slopes, eroded
FaE2 - Fallbrook sandy loam, 15 to 30 percent slopes, eroded
RaD2 - Ramona sandy loam, 9 to 15 percent slopes, eroded
VsG - Vista coarse sandy loam, 30 to 65 percent slopes, MLRA 20

Harbison Canyon
Forester Creek



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Attachment A:
Survey Area Soils
Map 3 of 12

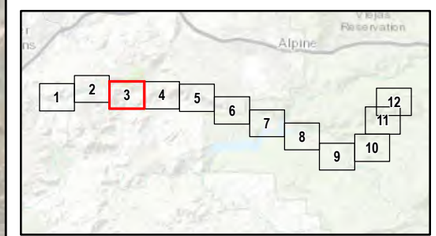
Suncrest
230 Kilovolt Loop-In Project

- Proposed 230 kV OH Segment
- Proposed 230 kV Western UG Segment
- Survey Area
- Harbison Canyon

Soil Type

- CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony
- FaD2 - Fallbrook sandy loam, 9 to 15 percent slopes, eroded
- FvE - Fallbrook-Vista sandy loams, 15 to 30 percent slopes
- VaC - Visalia sandy loam, 5 to 9 percent slopes
- VsG - Vista coarse sandy loam, 30 to 65 percent slopes, MLRA 20
- VvG - Vista rocky coarse sandy loam, 30 to 65 percent slopes

Harbison Canyon



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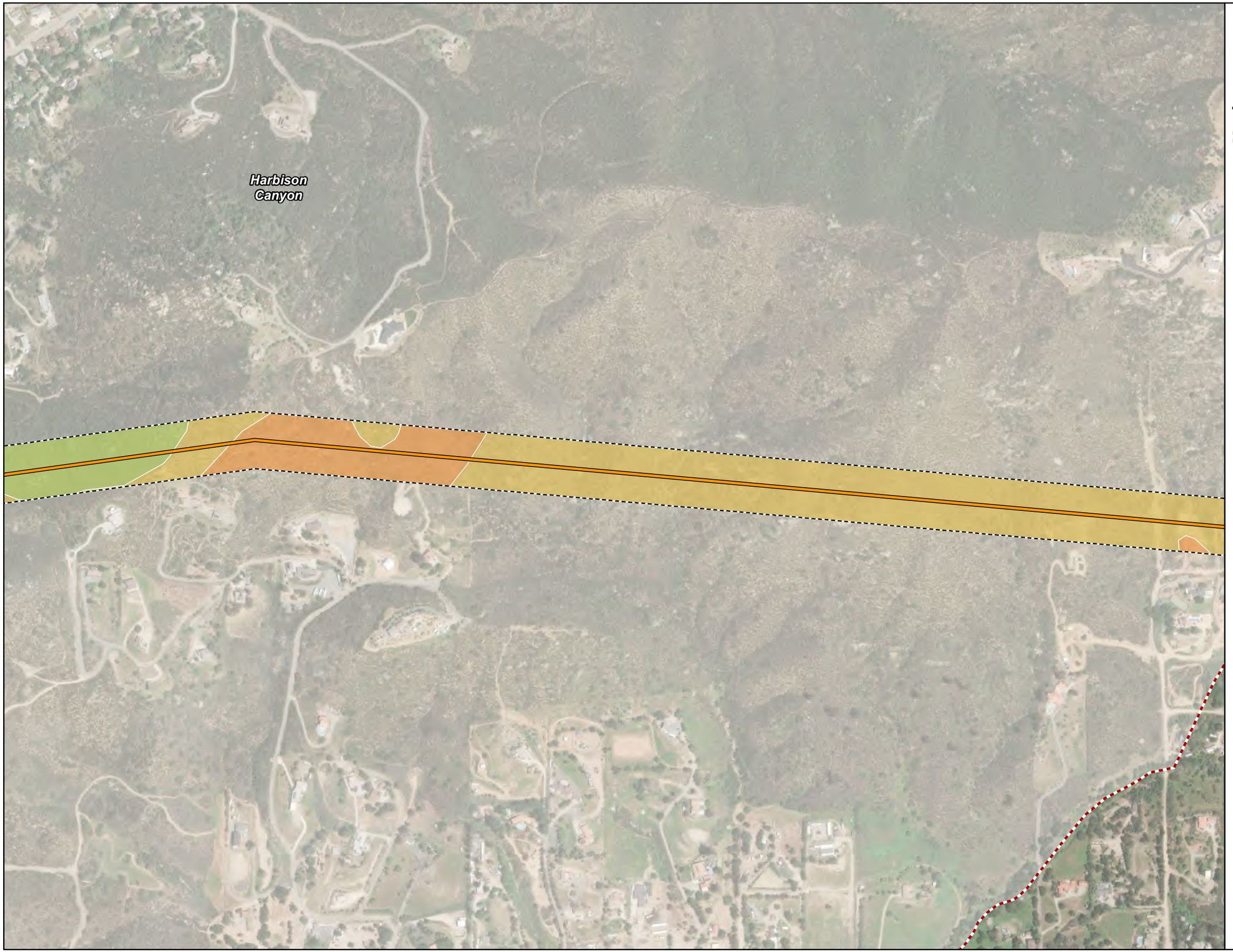


Attachment A:
Survey Area Soils
Map 4 of 12

Suncrest
230 Kilovolt Loop-In Project

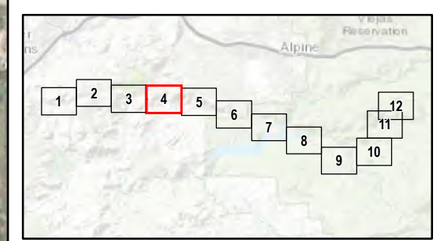
Proposed 230 kV OH Segment
Survey Area
Harbison Canyon

Soil Type

CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony

VsG - Vista coarse sandy loam, 30 to 65 percent slopes, MLRA 20

VvG - Vista rocky coarse sandy loam, 30 to 65 percent slopes



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Attachment A:
Survey Area Soils
Map 5 of 12

Suncrest
230 Kilovolt Loop-In Project

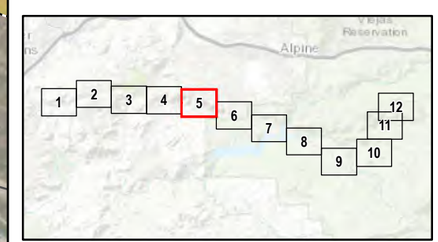
Road
Proposed 230 kV OH Segment
Survey Area
Harbison Canyon

Soil Type

CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony

Harbison Canyon

Dehesa Road



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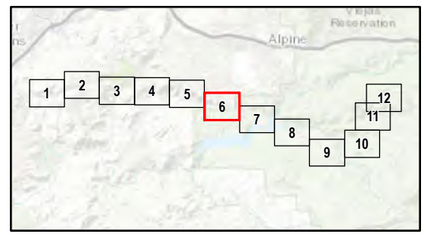
Attachment A:
Survey Area Soils
Map 6 of 12

Suncrest
230 Kilovolt Loop-In Project

Road
Proposed 230 kV OH Segment
Survey Area

Soil Type

ClG2 - Cieneba coarse sandy loam, 30 to 65 percent slopes, eroded
CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony
FeE - Fallbrook rocky sandy loam, 9 to 30 percent slopes
RaD2 - Ramona sandy loam, 9 to 15 percent slopes, eroded
VsE - Vista coarse sandy loam, 15 to 30 percent slopes, MLRA 20



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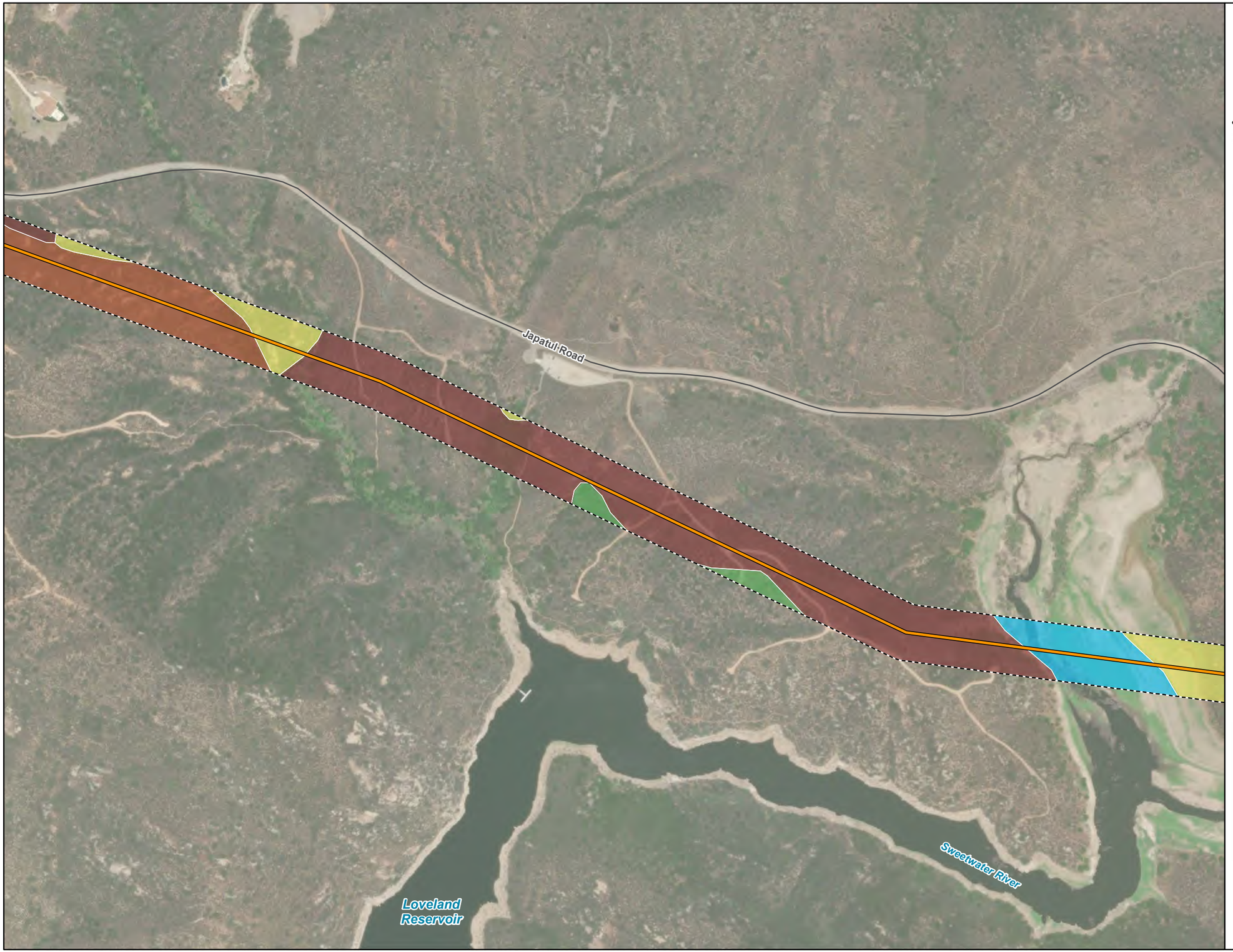


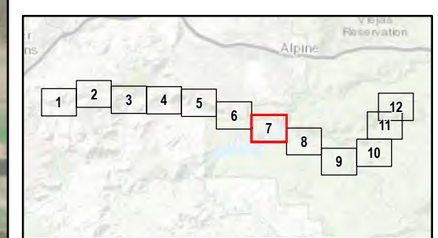
Attachment A:
Survey Area Soils
Map 7 of 12

Suncrest
230 Kilovolt Loop-In Project

Road
Proposed 230 kV OH Segment
Survey Area

Soil Type

ClG2 - Cieneba coarse sandy loam, 30 to 65 percent slopes, eroded
FeE - Fallbrook rocky sandy loam, 9 to 30 percent slopes
RaD2 - Ramona sandy loam, 9 to 15 percent slopes, eroded
VvE - Vista rocky coarse sandy loam, 15 to 30 percent slopes
W - Water



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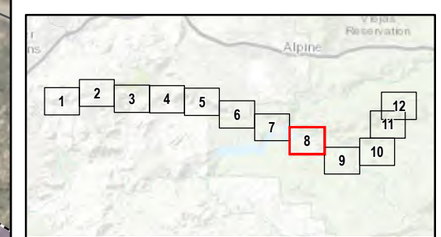
Attachment A:
Survey Area Soils
Map 8 of 12

Suncrest
230 Kilovolt Loop-In Project

Road
Proposed 230 kV OH Segment
Survey Area

Soil Type

FaD2 - Fallbrook sandy loam, 9 to 15 percent slopes, eroded
FvE - Fallbrook-Vista sandy loams, 15 to 30 percent slopes
RaD2 - Ramona sandy loam, 9 to 15 percent slopes, eroded
Rm - Riverwash
VvG - Vista rocky coarse sandy loam, 30 to 65 percent slopes



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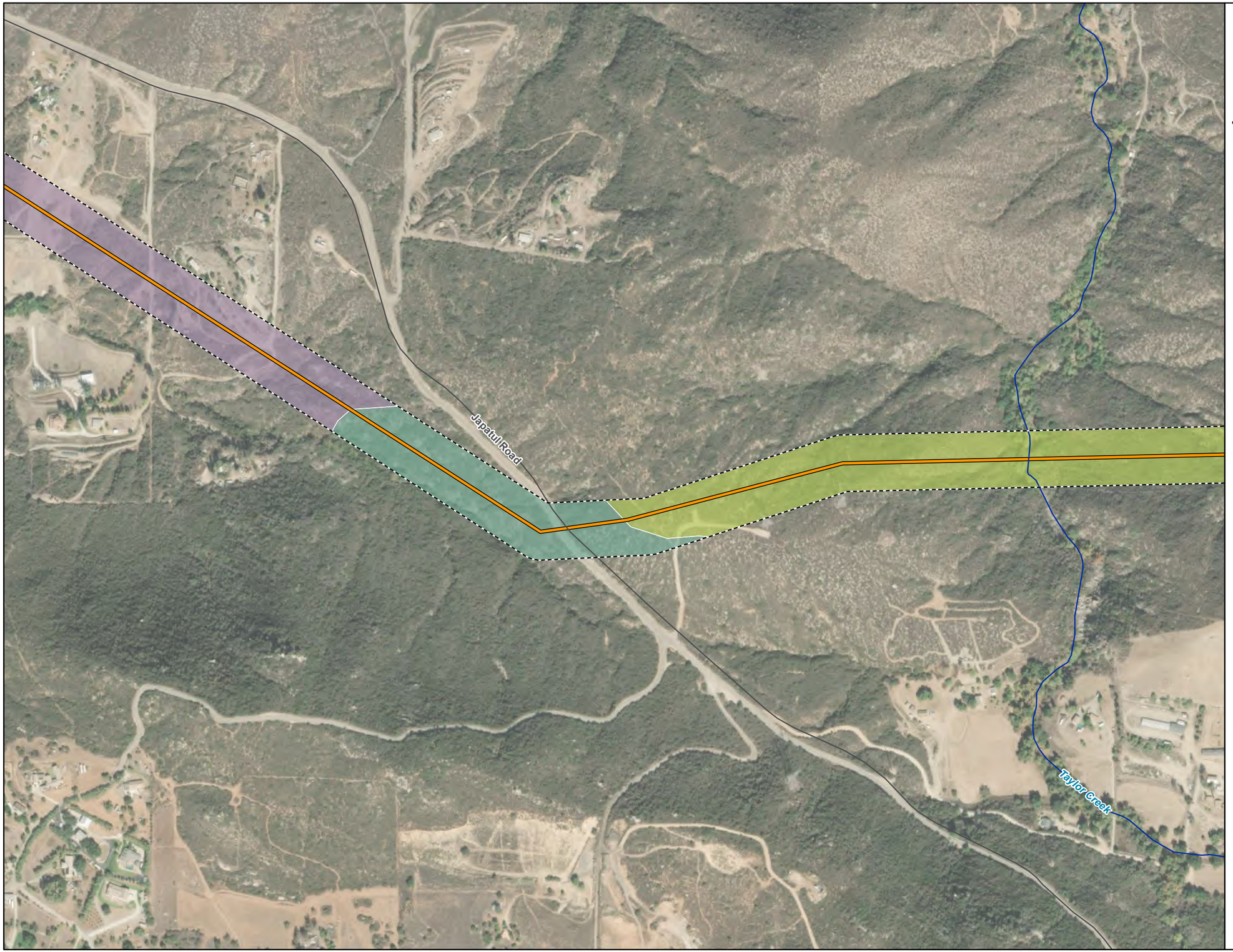


Attachment A:
Survey Area Soils
Map 9 of 12

Suncrest
230 Kilovolt Loop-In Project

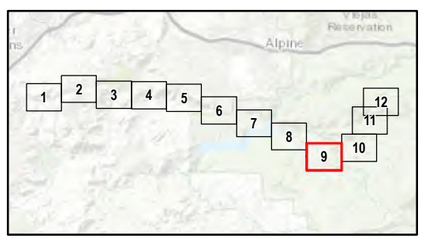
Road
Proposed 230 kV OH Segment
Survey Area

Soil Type

CnG2 - Cieneba-Fallbrook rocky sandy loams, 30 to 65 percent slopes, eroded

FvE - Fallbrook-Vista sandy loams, 15 to 30 percent slopes

VvG - Vista rocky coarse sandy loam, 30 to 65 percent slopes



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Attachment A:
Survey Area Soils
Map 10 of 12

Suncrest
230 Kilovolt Loop-In Project

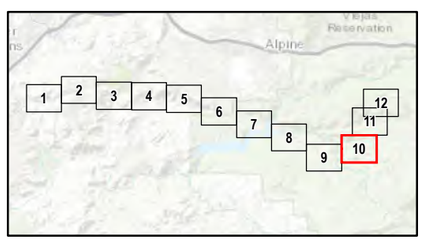
Proposed 230 kV OH Segment

Survey Area

Soil Type

AcG - Acid igneous rock land

VvG - Vista rocky coarse sandy loam, 30 to 65 percent slopes



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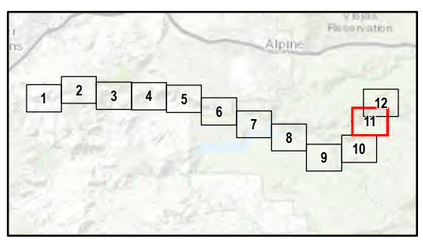
Attachment A:
Survey Area Soils
Map 11 of 12

Suncrest
230 Kilovolt Loop-In Project

- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Existing Suncrest Substation
- Survey Area

Soil Type

- AcG - Acid igneous rock land
- CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony
- FvD - Fallbrook-Vista sandy loams, 9 to 15 percent slopes



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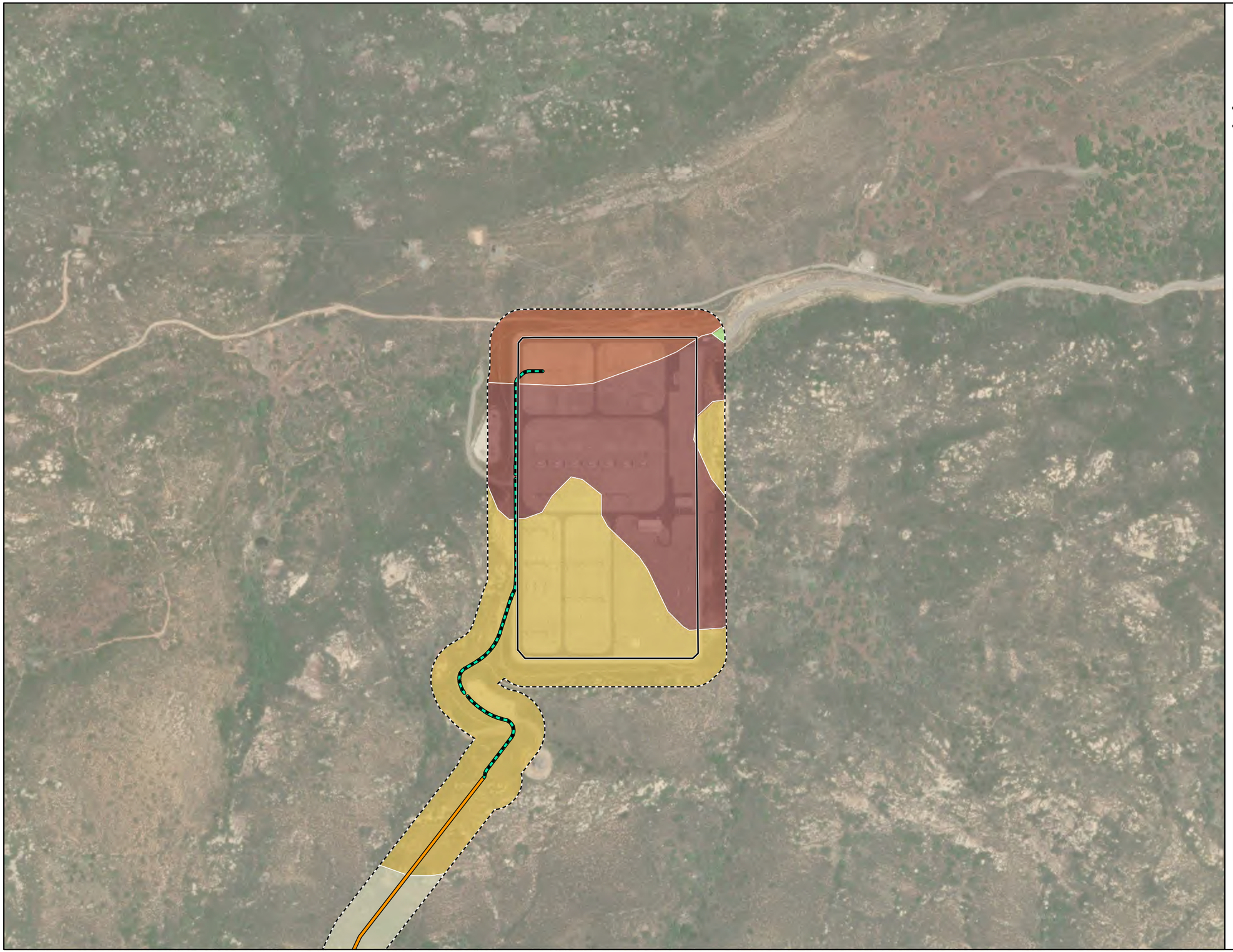


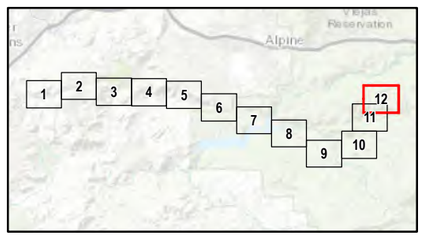
Attachment A:
Survey Area Soils
Map 12 of 12

Suncrest
230 Kilovolt Loop-In Project

- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Existing Suncrest Substation
- Survey Area

Soil Type

- ClG2 - Cieneba coarse sandy loam, 30 to 65 percent slopes, eroded
- CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony
- FaD2 - Fallbrook sandy loam, 9 to 15 percent slopes, eroded
- FeE - Fallbrook rocky sandy loam, 9 to 30 percent slopes
- FvD - Fallbrook-Vista sandy loams, 9 to 15 percent slopes



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ATTACHMENT B: SPECIAL-STATUS PLANT SPECIES WITH THE POTENTIAL TO OCCUR

ATTACHMENT B: SPECIAL-STATUS PLANT SPECIES WITH THE POTENTIAL TO OCCUR

Scientific Name	Common Name	Listing Status[1]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[2]	Life Form	Potential to Occur in the Survey Area
Abronia villosa var. *aurita*	Chaparral sand-verbena	1B.1, USFSS	No	This species occurs within sandy areas in chaparral, coastal sage scrub, and desert dune habitats from 245 to 5,250 feet in elevation (CNPS 2025).	(January) March to September	Annual herb	Low-quality suitable habitat consisting of buckwheat scrub, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. No California Natural Diversity Database (CNDDB) records of this species have been documented within five miles of the survey area. **Low Potential**
Acanthomintha ilicifolia	San Diego thorn-mint	FT, SE, 1B.1	Yes	This species occurs within openings of clay soils within chaparral, coastal sage scrub, valley and foothill grassland, and vernal pool habitats from 35 to 3,150 feet in elevation (CNPS 2025).	April to June	Annual herb	Low-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. Clay soils are not mapped within the survey area; however, clay lenses may occur in small areas within the survey area. The nearest and most recent CNDDB record of this species was documented in 2021 within one mile of the survey area. The nearest and most recent SanBIOS record of this species was documented in 2001 within 3.6 miles of the survey area. **Low Potential**
Allium marvinii	Yucaipa onion	1B.2, USFSS	No	This species occurs within clay soils and openings within chaparral habitat from 2,495 to 3,495 feet in elevation (CNPS 2025).	April to May	Perennial bulbiferous herb	Low-quality suitable habitat consisting of chaparral is located within the survey area. Clay soils are not mapped within the survey area; however, clay lenses may occur in small areas within the survey area. The nearest recent CNDDB record of this species was documented in 2018 within 2.3 miles of the survey area. The nearest historic CNDDB record of this species was documented in 1994 within 3.6 miles of the survey area. **Low Potential**
Ambrosia monogyra	Singlewhorl burrobrush	2B.2	No	This species occurs within chaparral and Sonoran desert scrub habitats from 35 to 1,640 feet in elevation (CNPS 2025).	August to November	Perennial shrub	Low-quality suitable habitat consisting of chaparral is located within the survey area. One CNDDB record of this species was documented in 1970 within 4.4 miles of the survey area. **Low Potential**
Ambrosia pumila	San Diego ambrosia	1B.1, FE	Yes	This species occurs within chaparral, coastal sage scrub, valley and foothill grassland, and vernal pool habitats from 65 to 1,360 feet in elevation (CNPS 2025).	April to October	Perennial rhizomatous herb	Moderate-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. The nearest CNDDB record of this species was documented in 2009 within 1.7 miles of the survey area. The most recent CNDDB record of this species was documented in 2019 within 4.3 miles of the survey area. **Moderate Potential**
Arctostaphylos rainbowensis	Rainbow manzanita	1B.1, USFSS	No	This species occurs within chaparral habitat from 675 to 2,200 feet in elevation (CNPS 2025).	December to March	Perennial evergreen shrub	Low-quality suitable habitat consisting of chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**

[1] Explanation of federal and state listing codes:

Federal listing code:

-FE: Federally listed as endangered
-FT: Federally listed as threatened
-USFSS: United States (U.S.) Forest Service Sensitive

State listing code:

-SE: State-listed as endangered
-SR: State-listed as rare

California Native Plant Society (CNPS) California Rare Plant Ranks (CRPRs):

-1B: Rare, threatened, or endangered in California and elsewhere
-2B: Rare, threatened, or endangered in California, but more common elsewhere
-3: Needs review; plants about which more information is needed.
-4: Uncommon in California and of limited distribution; a watch list.

CRPR Threat Code:

-0.1: Seriously threatened in California (over 80 percent of occurrences threatened and a high degree and immediacy of threat)
-0.2-Moderately threatened in California (20 to 80 percent occurrences threatened and a moderate degree and immediacy of threat)
-0.3-Not very threatened in California (less than 20 percent of occurrences threatened and a low degree and immediacy of threat or no current threats known)

[2] Months included in parentheses are uncommon.

Scientific Name	Common Name	Listing Status[1]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[2]	Life Form	Potential to Occur in the Survey Area
Artemisia palmeri	San Diego sagewort	4.2	No	This species occurs within chaparral, coastal scrub, riparian forest, riparian scrub, and riparian woodland habitats from 15 to 3,000 feet in elevation (CNPS 2025).	(February) May to September	Perennial deciduous shrub	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, coastal scrub, riparian forest, coast live oak riparian forest, and riparian woodland is located within the survey area. No recent CNDDB records of this species have been documented within five miles of the survey area. The nearest historic CNDDB record of this species was documented in 1997 within 0.1 mile of the survey area. One SanBIOS record of this species was documented in 2012 within 0.3 mile of the survey area. The nearest Sweetwater Authority record of this species was documented in 2015 within the survey area. Additionally, this species was observed during the 2025 field survey. **Present**
Asplenium vespertinum	Western spleenwort	4.2	No	This species occurs within chaparral, cismontane woodland, and coastal scrub habitats from 590 to 3,280 feet in elevation (CNPS 2025).	February to June	Perennial rhizomatous herb	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. The nearest CNDDB record of this species was documented in 2025 within 3.4 miles of the survey area. **Moderate Potential**
Astragalus deanei	Dean's milk-vetch	1B.1, USFSS	No	This species occurs within chaparral, cismontane woodland, coastal sage scrub, and riparian forest habitats from 245 to 2,280 feet in elevation (CNPS 2025).	February to May	Perennial herb	High-quality suitable habitat consisting of woodlands, chaparral, coastal sage/chaparral mix, coastal sage scrub, riparian forest, and coast live oak riparian forest is located within the survey area. The nearest CNDDB record of this species was documented in an unknown year within 1.5 miles of the survey area. The most recent CNDDB record of this species was documented in 2016 within 2.6 miles of the survey area. **Moderate Potential**
Astragalus douglasii var. *perstrictus*	Jacumba milk-vetch	1B.2, USFSS	No	This species occurs within chaparral, cismontane woodland, pinyon and juniper woodland, riparian scrub, and valley and foothill grassland habitats from 2,955 to 4,495 feet in elevation (CNPS 2025).	April to June	Perennial herb	Low-quality suitable habitat consisting of woodlands, chaparral, and non-native grassland is located within the survey area. The elevation of the survey area is located within the typical elevation range for this species. The nearest CNDDB record of this species was documented in 1935 within 3.7 miles of the survey area. The most recent CNDDB record of this species was documented in 2010 within 4.8 miles of the survey area. **Low Potential**
Astragalus oocarpus	San Diego milk-vetch	1B.2, USFSS	No	This species occurs within chaparral and cismontane woodland habitats from 1,000 to 5,000 feet in elevation (CNPS 2025).	May to August	Perennial herb	High-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. No recent CNDDB records of this species have been documented within five miles of the survey area. The nearest historic CNDDB record of this species was documented in 1994 within 1.8 miles of the survey area. The nearest and most recent Sunrise Powerlink Project record of this species was documented in 2010 within the survey area. **High Potential**
Astragalus pachypus var. *jaegeri*	Jaeger's milk-vetch	1B.1, USFSS	No	This species occurs within chaparral, cismontane woodland, coastal scrub, and valley and foothill grassland habitats from 1,200 to 3,200 feet in elevation (CNPS 2025).	December to June	Perennial shrub	Low-quality suitable habitat consisting of woodlands, non-native grassland, chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Atriplex parishii	Parish's bristlescale	1B.1, USFSS	No	This species occurs within alkaline or clay soils in chenopod scrub, playas, grassland, and vernal pool habitats from 80 to 6,235 feet in elevation (CNPS 2025).	June to October	Annual herb	No suitable habitat is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**

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Baccharis vanessae	Encinitas baccharis	1B.1, FT, SE	Yes	This species occurs within maritime chaparral and cismontane woodland habitats from 195 to 2,360 feet in elevation (CNPS 2025). Previously, this species was thought to be restricted to sandstone soils in maritime chaparral, but has since been observed in a wide variety of chaparral habitats. This species has been observed to occur on the following soil types: Cieneba series, Corralitos loamy sand alluvial Huerhuero, San Miguel Exchequer, granitic, andesite rock outcrops, and soils derived from acid igneous rock (USFWS 2011).	August to November	Perennial deciduous shrub	Moderate-quality suitable habitat for this species consisting of chaparral habitat within Cieneba series soils is located within the survey area. One CNDDB record of this species was documented in 2017 within 1.6 miles of the survey area. **Moderate Potential**
Bahiopsis laciniata	San Diego County viguiera	4.3	No	This species occurs within chaparral and coastal scrub habitat from 195 to 2,460 feet in elevation (CNPS 2025).	February to June (August)	Perennial shrub	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. The nearest and most recent SanBIOS record of this species was documented in 2012 within 0.2 mile of the survey area. The nearest Cleveland National Forest (CNF) Electric Safety and Reliability Project (ESRP) record of this species was documented in 2010 within the survey area. Additionally, this species was observed during the 2025 field survey. **Present**
Berberis nevinii	Nevin's barberry	1B.1, FE, SE	No	This species occurs within chaparral, cismontane woodland, coastal sage scrub, and riparian scrub from 230 to 2,705 feet in elevation (CNPS 2025).	(February) March to June	Perennial evergreen shrub	Low-quality suitable habitat consisting of woodlands, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Bloomeria clevelandii	San Diego goldenstar	1B.1	No	This species occurs within chaparral, coastal sage scrub, valley and foothill grassland, and vernal pool habitats from 165 to 1,525 feet in elevation (CNPS 2025).	April to May	Perennial bulbiferous herb	Moderate-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. The nearest CNDDB record of this species was documented in 2017 within 1.4 miles of the survey area. **Moderate Potential**
Brodiaea filifolia	Thread leaved brodiaea	1B.1, FT, SE	Yes	This species occurs within chaparral, cismontane woodland, coastal sage scrub, playas, valley and foothill grassland, and vernal pool habitat from 80 to 3,675 feet in elevation (CNPS 2025).	March to June	Perennial bulbiferous herb	Low-quality suitable habitat consisting of woodlands, non-native grassland, chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. Additionally, the survey area is outside of the typical range for this species. **Low Potential**
Brodiaea orcuttii	Orcutt's brodiaea	1B.1, USFSS	No	This species occurs within vernal pools, chaparral, cismontane woodland, closed-cone coniferous forest, meadows and seeps, and valley and foothill grassland habitats from 100 to 5,550 feet in elevation (CNPS 2025).	May to July	Perennial bulbiferous herb	Moderate-quality suitable habitat consisting of woodlands, non-native grassland, and chaparral is located within the survey area. The nearest recent CNDDB record of this species was documented in 2010 within 0.5 mile of the survey area. The nearest CNF ESRP record of this species was documented in an unknown year within 0.7 mile of the survey area. **High Potential**

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Calandrinia breweri	Brewer's calandrinia	4.2	No	This species occurs within chaparral and coastal sage scrub habitats from 35 to 4,005 feet in elevation (CNPS 2025).	(January) March to June	Annual herb	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. The nearest CNF ESRP record of this species was documented in 2016 within 0.7 mile of the survey area. **High Potential**
Calochortus dunnii	Dunn's mariposa lily	1B.2, SR, USFSS	No	This species occurs within chaparral, closed-cone coniferous forest, and valley and foothill grassland habitats from 605 to 6,005 feet in elevation (CNPS 2025).	(February) April to June	Perennial bulbiferous herb	High-quality suitable habitat consisting of non-native grassland and chaparral is located within the survey area. The nearest recent CNDDB record of this species was documented in 2010 within the survey area. The nearest CNF ESRP record of this species was documented in an unknown year within the survey area. **High Potential**
Calochortus weedii var. *intermedius*	Intermediate mariposa-lily	1B.2, USFSS	No	This species occurs within chaparral, coastal scrub, and valley and foothill grassland habitats from 345 to 2,805 feet in elevation (CNPS 2025).	May to July	Perennial bulbiferous herb	Low-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Camissoniopsis lewisii	Lewis' evening-primrose	3	No	This species occurs within coastal bluff scrub, cismontane woodland, coastal dunes and scrub, and valley and foothill grassland habitats from sea level to 985 feet in elevation (CNPS 2025).	March to May (June)	Annual herb	Low-quality suitable habitat consisting of woodlands, coastal sage scrub, and non-native grassland is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Carex obispoensis	San Luis Obispo sedge	1B.2, USFSS	No	This species occurs within chaparral, closed-cone coniferous forest, coastal prairie, coastal sage scrub, and valley and foothill grassland habitats from 35 to 2,690 feet in elevation (CNPS 2025).	April to June	Perennial cespitose herb	High-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. No historic CNDDB records of this species have been documented within five miles of the survey area. The nearest recent CNDDB record of this species was documented in 2016 within 3.6 miles of the survey area. **Moderate Potential**
Castilleja lasiorhyncha	San Bernardino Mountains owl's-clover	1B.2, USFSS	No	This species occurs within chaparral, meadows and seeps, pebble plain, riparian woodland, and upper montane coniferous forest habitats from 4,265 to 7,840 feet in elevation (CNPS 2025).	May to August	Annual herb (hemiparasitic)	Although chaparral and riparian woodland habitats are located within the survey area, the survey area is outside of the elevation range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Castilleja plagiotoma	Mojave Indian paintbrush	4.3, USFSS	No	This species occurs within Great Basin scrub, Joshua tree woodland, lower montane coniferous forest, and pinyon and juniper woodland from 985 to 8,205 feet in elevation (CNPS 2025).	April to June	Perennial herb (hemiparasitic)	No suitable habitat is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Caulanthus simulans	Payson's jewel-flower	4.2, USFSS	No	This species occurs within chaparral and coastal scrub habitats from 295 to 7,220 feet in elevation (CNPS 2025).	(February) March to May (June)	Annual herb	Moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Ceanothus cyaneus	Lakeside ceanothus	1B.2, USFSS	No	This species occurs within chaparral and closed-cone coniferous forest habitats from 770 to 2,475 feet in elevation (CNPS 2025).	April to June	Perennial evergreen shrub	High-quality suitable habitat consisting of chaparral is located within the survey area. The nearest recent CNDDB record of this species was documented in 2014 within 0.8 mile of the survey area. The nearest and most recent SanBIOS record of this species was documented in 2021 within five miles of the survey area. **High Potential**

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Ceanothus foliosus var. *viejasensis*	Viejas Mountain ceanothus	1B.2	No	This species occurs within chaparral habitat from 2,575 to 4,495 feet in elevation (CNPS 2025).	March to June	Perennial shrub	Moderate-quality suitable habitat consisting of chaparral is located within the survey area. The nearest and most recent CNDDB record of this species was documented in 2017 within 3.2 miles of the survey area. **Moderate Potential**
Centromadia pungens ssp. *laevis*	Smooth tarplant	1B.1	No	This species occurs within chenopod scrub, meadows and seeps, playas, riparian woodland, and valley and foothill grassland habitats from sea level to 2,100 feet in elevation (CNPS 2025).	April to September	Annual herb	Low-quality suitable habitat consisting of non-native grassland and riparian woodland is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Chamaebatia australis	Southern mountain misery	4.2	No	This species occurs within chaparral (gabbroic metavolcanic) habitats from 985 to 3,345 feet in elevation (CNPS 2025).	November to May	Perennial evergreen shrub	Low-quality suitable habitat consisting of chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Chorizanthe leptotheca	Peninsular spineflower	4.2	No	This species occurs within chaparral, coastal scrub, and lower montane coniferous forest habitats from 985 to 6,235 feet in elevation (CNPS 2025).	May to August	Annual herb	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. The nearest and most recent Sunrise Powerlink Project record of this species was documented in 2010 within the survey area. **High Potential**
Chorizanthe parryi var. *parryi*	Parry's spineflower	1B.1, USFSS	No	This species occurs within chaparral, cismontane woodland, coastal scrub, and valley and foothill grassland habitats from 900 to 4,005 feet in elevation (CNPS 2025).	April to June	Annual herb	High-quality suitable habitat consisting of woodlands, non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Chorizanthe polygonoides var. *longispina*	Long-spined spineflower	1B.2	No	This species occurs within chaparral, coastal sage scrub, meadows and seeps, valley and foothill grassland, and vernal pool habitats from 100 to 5,020 feet in elevation (CNPS 2025).	April to July	Annual herb	High-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. The nearest CNDDB record of this species was documented in 1993 within 2.5 miles of the survey area. The most recent CNDDB record of this species was documented in 1995 within 3.3 miles of the survey area. **Moderate Potential**
Clarkia delicata	Delicate clarkia	1B.2	No	This species occurs within chaparral and cismontane woodland habitats from 770 to 3,280 feet in elevation (CNPS 2025).	April to June	Annual herb	High-quality suitable habitat consisting of chaparral and woodlands is located within the survey area. The nearest recent CNDDB record of this species was documented in 2010 within the survey area. The nearest and most recent SanBIOS record of this species was documented in 2017 within four miles of the survey area. This species was observed during the 2025 field survey. **Present**
Clinopodium chandleri	San Miguel savory	1B.2, USFSS	No	This species occurs within chaparral, cismontane woodland, coastal sage scrub, riparian woodland, and valley and foothill grassland habitats from 395 to 3,525 feet in elevation (CNPS 2025).	March to July	Perennial shrub	Moderate-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, coastal sage scrub, and woodlands is located within the survey area. One CNDDB record of this species was documented in 2020 within 3.9 miles of the survey area. **Moderate Potential**
Comarostaphylis diversifolia ssp. *diversifolia*	Summer holly	1B.2	No	This species occurs within chaparral and cismontane woodland habitats from 100 to 2,590 feet in elevation (CNPS 2025).	April to June	Perennial evergreen shrub	Moderate-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**

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Convolvulus simulans	Small-flowered morning-glory	4.2	No	This species occurs within chaparral, coastal scrub, and valley and foothill grassland habitats from 100 to 2,430 feet in elevation (CNPS 2025).	March to July	Annual herb	Moderate-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Cordylanthus rigidus ssp. *brevibracteatus*	Short-bracted bird's-beak	4.3	No	This species occurs within chaparral, lower montane coniferous forest, pinyon and juniper woodland, and upper montane coniferous forest habitats from 2,000 to 8,500 feet in elevation (CNPS 2025).	July to August (September)	Annual herb (hemiparasitic)	Moderate-quality suitable habitat consisting of chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Deinandra floribunda	Tecate tarplant	1B.2, USFSS	No	This species occurs within chaparral and coastal scrub habitats from 230 to 4,005 feet in elevation (CNPS 2025).	August to October	Annual herb	Low-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Deinandra mohavensis	Mojave tarplant	1B.3, SE, USFSS	No	This species occurs within chaparral, coastal scrub, and riparian scrub habitats from 2,100 to 5,250 feet in elevation (CNPS 2025).	(January to May) June to October	Annual herb	Low-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Delphinium hesperium ssp. *cuyamacae*	Cuyamaca larkspur	1B.2, SR, USFSS	No	This species occurs within lower montane coniferous forest, meadows and seeps, and vernal pool habitats from 4,005 to 5,350 feet in elevation (CNPS 2025).	May to July	Perennial herb	No suitable habitat is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. Additionally, the survey area is outside of the elevation range of this species. **Absent**
Delphinium parishii ssp. *subglobosum*	Colorado Desert larkspur	4.3	No	This species occurs within chaparral, cismontane woodland, pinyon and juniper woodland, and Sonoran desert scrub habitats from 1,970 to 5,905 feet in elevation (CNPS 2025).	March to June	Perennial herb	Low-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Dieteria asteroides var. *lagunensis*	Mount Laguna aster	2B.1, SR, USFSS	No	This species occurs within cismontane woodland and lower montane coniferous forest habitats from 2,590 to 7,875 feet in elevation (CNPS 2025).	(May) July to August	Perennial herb	Although oak woodlands are located within the survey area, the survey area is outside of the typical range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Diplacus clevelandii	Cleveland's bush monkeyflower	4.2	No	This species occurs within chaparral, cismontane woodland, and lower montane coniferous forest habitats from 1,475 to 6,560 feet in elevation (CNPS 2025).	April to June	Perennial rhizomatous herb	Moderate-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Dudleya multicaulis	Many-stemmed dudleya	1B.2, USFSS	No	This species occurs within chaparral, coastal scrub, and valley and foothill grassland habitats from 50 to 2,590 feet in elevation (CNPS 2025).	April to July	Perennial herb	Low-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**

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Dudleya variegata	Variegated dudleya	1B.2	No	This species occurs within chaparral, cismontane woodland, coastal sage scrub, valley and foothill grassland, and vernal pool habitats from 10 to 1,905 feet in elevation (CNPS 2025).	April to June	Perennial herb	Moderate-quality suitable habitat consisting of woodlands, non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. The nearest and most recent CNDDB record of this species was documented in 2018 within 1.4 miles of the survey area. **Moderate Potential**
Dudleya viscida	Sticky dudleya	1B.2, USFSS	No	This species occurs within coastal bluff scrub, chaparral, cismontane woodland, and coastal scrub habitats from 35 to 1,805 feet in elevation (CNPS 2025).	May to June	Perennial herb	Low-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Ericameria palmeri var. *palmeri*	Palmer's goldenbush	1B.1	No	This species occurs within chaparral and coastal sage scrub habitats from 100 to 1,970 feet in elevation (CNPS 2025).	(July) September to November	Perennial evergreen shrub	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. The nearest CNDDB record of this species was documented in 2002 within 0.4 mile of the survey area. The nearest recent CNDDB record of this species was documented in 2005 within 4.7 miles of the survey area. One Sunrise Powerlink Project record of this species was documented in 2010 within the survey area. This species was observed during the 2025 field survey. **Present**
Eriogonum evanidum	Vanishing wild buckwheat	1B.1, USFSS	No	This species occurs within chaparral, cismontane woodland, lower montane coniferous forest, and pinyon and juniper woodland habitats from 3,610 to 7,300 feet in elevation (CNPS 2025).	July to October	Annual herb	Although woodland and chaparral habitat is located within the survey area, the survey area is outside of the elevation range of this species. One CNDDB record of this species was documented in an unknown year within 1.5 miles of the survey area. **Absent**
Eryngium aristulatum var. *parishii*	San Diego button celery	1B.1, FE, SE	Yes	This species occurs within coastal sage scrub, valley and foothill grassland, and vernal pool habitats from 65 to 2,035 feet in elevation (CNPS 2025).	April to June	Annual/ perennial herb	Low-quality suitable habitat consisting of non-native grassland and coastal sage scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Erythranthe diffusa	Palomar monkeyflower	4.3	No	This species occurs within chaparral and lower montane coniferous forest habitats from 4,005 to 6,005 feet in elevation (CNPS 2025).	April to June	Annual herb	Although chaparral habitat is located within the survey area, the survey area is outside of the elevation range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Euphorbia abramsiana	Abrams' spurge	2B.2	No	This species occurs within Mojavean desert scrub and Sonoran desert scrub habitats from -15 to 4,300 feet in elevation (CNPS 2025).	(August) September to November	Annual herb	No suitable habitat is located within the survey area. One CNDDB record of this species was documented in 1963 within 1.5 miles of the survey area. **Absent**
Ferocactus viridescens	San Diego barrel cactus	2B.1	No	This species occurs within chaparral, coastal sage scrub, valley and foothill grassland, and vernal pool habitats from 10 to 1,475 feet in elevation (CNPS 2025).	May to June	Perennial stem succulent	Moderate-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. One CNDDB record of this species was documented in 1995 within 4.7 miles of the survey area. **Moderate Potential**
Fremontodendron mexicanum	Mexican flannelbush	1B.1, FE, SR	No	This species occurs within chaparral, cismontane woodland, and closed-cone coniferous forest habitats from 35 to 2,350 feet in elevation (CNPS 2025).	March to June	Perennial evergreen shrub	Moderate-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**

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Galium angustifolium ssp. *jacinticum*	San Jacinto Mountains bedstraw	1B.3, USFSS	No	This species occurs within lower montane coniferous forest habitat from 4,430 to 6,890 feet in elevation (CNPS 2025).	June to August	Perennial herb	No suitable habitat is located within the survey area, and the survey area is outside of the elevation range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Geraea viscida	Sticky geraea	2B.2	No	This species occurs within chaparral habitat, often in disturbed areas, from 1,475 to 5,580 feet in elevation (CNPS 2025).	(April) May to June	Perennial herb	High-quality suitable habitat consisting of chaparral is located within the survey area. The nearest CNDDB record of this species was documented in 1971 within 0.7 mile of the survey area. The nearest recent CNDDB record of this species was documented in 2005 within 3.4 miles of the survey area. **Moderate Potential**
Githopsis diffusa ssp. *filicaulis*	Mission Canyon bluecup	3.1	No	This species occurs within chaparral habitat, often in disturbed areas or mesic areas, from 1,475 to 2,295 feet in elevation (CNPS 2025).	April to June	Annual herb	High-quality suitable habitat consisting of chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Grindelia hirsutula var. *hallii*	San Diego gumplant	1B.2	No	This species occurs within chaparral, lower montane coniferous forest, meadows and seeps, and valley and foothill grassland habitats from 605 to 5,725 feet in elevation (CNPS 2025).	May to October	Perennial herb	Low-quality suitable habitat consisting of non-native grassland and chaparral is located within the survey area. One CNDDB record of this species was documented in 1976 within 3.4 miles of the survey area. **Low Potential**
Harpagonella palmeri	Palmer's grapplinghook	4.2	No	This species occurs within chaparral, coastal sage scrub, and valley and foothill grassland from 65 to 3,135 feet in elevation (CNPS 2025).	March to May	Annual herb	Moderate-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. No recent CNDDB records of this species have been documented within five miles of the survey area. The nearest historic CNDDB record of this species was documented in 1992 within three miles of the survey area. **Moderate Potential**
Hesperocyparis forbesii	Tecate cypress	1B.1, USFSS	No	This species occurs within closed-cone coniferous forest and chaparral habitats from 260 to 4,920 feet in elevation (CNPS 2025).	Not applicable	Perennial evergreen tree	Moderate quality suitable habitat consisting of chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Hesperocyparis stephensonii	Cuyamaca cypress	1B.1, USFSS	No	This species occurs within closed-cone coniferous forest, chaparral, cismontane woodland, and riparian forest habitats from 3,395 to 5,595 feet in elevation (CNPS 2025).	Not applicable	Perennial evergreen tree	Although chaparral, riparian forest, and woodlands habitats are located within the survey area, the survey area is outside the elevation range of the species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Heuchera abramsii	Abrams' alumroot	4.3, USFSS	No	This species occurs within rocky upper montane coniferous forest habitat from 9,185 to 11,485 feet in elevation (CNPS 2025).	July to August	Perennial rhizomatous herb	No suitable habitat is located within the survey area, and the survey area is outside of the elevation range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Holocarpha virgata ssp. *elongata*	Graceful tarplant	4.2	No	This species occurs within the chaparral, cismontane woodland, coastal scrub, and valley and foothill grassland habitats from 195 to 3,610 feet in elevation (CNPS 2025).	May to November	Annual herb	Moderate-quality suitable habitat consisting of woodlands, non-native grassland, chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**

Scientific Name	Common Name	Listing Status[1]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[2]	Life Form	Potential to Occur in the Survey Area
Hordeum intercedens	Vernal barley	3.2	No	This species occurs within the coastal dunes, coastal scrub, valley and foothill grassland (depressions, saline flats), and vernal pool habitats from 15 to 3,280 feet in elevation (CNPS 2025).	March to June	Annual herb	Moderate-quality suitable habitat consisting of non-native grassland and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Horkelia cuneata var. *puberula*	Mesa horkelia	1B.1, USFSS	No	This species occurs within maritime chaparral, cismontane woodland, and coastal scrub habitats from 230 to 2,660 feet in elevation (CNPS 2025).	Feb to July (September)	Perennial herb	Low-quality suitable habitat consisting of woodlands, chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Horkelia truncata	Ramona horkelia	1B.3, USFSS	No	This species occurs within chaparral and cismontane woodland habitats from 1,310 to 4,265 feet in elevation (CNPS 2025).	May to June	Perennial herb	High-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. The nearest recent CNDDB record of this species was documented in 2015 within 1.5 miles of the survey area. The nearest CNDDB record of this species was documented in 1938 within the survey area. The nearest and most recent SanBIOS record of this species was documented in 2001 within 2.8 miles of the survey area. **Moderate Potential**
Hulsea californica	San Diego sunflower	1B.3	No	This species occurs within chaparral, lower montane coniferous forest, and upper montane coniferous forest habitats from 3,000 to 9,565 feet in elevation (CNPS 2025).	April to June	Perennial herb	Moderate-quality suitable habitat consisting of chaparral is located within the survey area. The nearest CNDDB record of this species was documented in 1994 within 3.2 miles of the survey area. The nearest recent CNDDB record of this species was documented in 2010 within 4.4 miles of the survey area. The nearest and most recent CNF ESRP record of this species was documented in 2010 within the survey area. **High Potential**
Isocoma menziesii var. *decumbens*	Decumbent goldenbush	1B.2	No	This species occurs within chaparral and coastal sage scrub habitats from 35 to 820 feet in elevation (CNPS 2025).	April to November	Perennial shrub	Although moderately suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area, the survey area is mostly outside of the elevation range of this species. The nearest CNDDB record of this species was documented in 1930 within 1.6 miles of the survey area. The most recent CNDDB record of this species was documented in 2019 within 2.8 miles of the survey area. **Moderate Potential**
Iva hayesiana	San Diego marsh elder	2B.2	No	This species occurs within marshes and swamps and playa habitats from sea level to 1,640 feet in elevation (CNPS 2025).	April to October	Perennial herb	No suitable habitat is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. One SanBIOS record of this species was documented in 2017 within 4.3 miles of the survey area. **Absent**
Juglans californica	Southern California black walnut	4.2	No	This species occurs within chaparral, cismontane woodland, coastal scrub, and riparian woodland habitats from 165 to 2,955 feet in elevation (CNPS 2025).	March to August	Perennial deciduous tree	Moderate-quality suitable habitat consisting of woodlands, chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Juncus acutus ssp. *leopoldii*	Southwestern spiny rush	4.2	No	This species occurs within coastal dunes (mesic), coastal scrub, meadows and seeps (alkaline seeps), and marshes and swamps (coastal salt) from 10 to 2,955 feet in elevation (CNPS 2025).	(March) May to June	Perennial rhizomatous herb	High-quality suitable habitat consisting of coastal sage scrub is located within the survey area. The most recent Sweetwater Authority record of this species was documented in 2016 within 0.2 mile of the survey area. **High Potential**
Lathyrus splendens	Pride-of-California	4.3	No	This species occurs within chaparral habitat from 655 to 5,005 feet in elevation (CNPS 2025).	March to June	Perennial herb	Moderate-quality suitable habitat consisting of chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**

Scientific Name	Common Name	Listing Status[1]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[2]	Life Form	Potential to Occur in the Survey Area
Lepechinia ganderi	Gander's pitcher sage	1B.3	No	This species occurs within chaparral, closed-cone coniferous forest, coastal sage scrub, and valley and foothill grassland habitats from 1,000 to 3,295 feet in elevation (CNPS 2025).	June to July	Perennial shrub	Moderate-quality suitable habitat consisting of non-native grassland, chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. One CNDDB record of this species was documented in 1986 within 3.8 miles of the survey area. **Moderate Potential**
Lepidium virginicum var. *robinsonii*	Robinson's pepper-grass	4.3	No	This species occurs within chaparral and coastal sage scrub habitats from five to 2,905 feet in elevation (CNPS 2025).	January to July	Annual herb	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. The nearest recent CNDDB record of this species was documented in 2006 within the survey area. This species was observed during the 2025 field survey. **Present**
Lessingia glandulifera var. *tomentosa*	Warner Springs lessingia	1B.1, USFSS	No	This species occurs within chaparral (sandy) habitats from 2,855 to 4,005 feet in elevation (CNPS 2025).	August to October	Annual herb	Low-quality suitable habitat consisting of chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Lewisia brachycalyx	Short-sepaled lewisia	2B.2, USFSS	No	This species occurs within lower montane coniferous forest and meadow and seep habitats from 4,495 to 7,545 feet in elevation (CNPS 2025).	(February) April to June (July)	Perennial herb	No suitable habitat is located within the survey area, and the survey area is outside the elevation range of the species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Lilium humboldtii ssp. *ocellatum*	Ocellated Humboldt lily	4.2	No	This species occurs within chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, and riparian woodland habitats from 100 to 5,905 feet in elevation (CNPS 2025).	March to July (August)	Perennial bulbiferous herb	Moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, coastal scrub, and woodlands is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Lilium parryi	Lemon lily	1B.2, USFSS	No	This species occurs within lower montane coniferous forest, meadows and seeps, riparian forest, and upper montane coniferous forest habitats from 4,005 to 9,005 feet in elevation (CNPS 2025).	July to August	Perennial bulbiferous herb	Although riparian forest and coast live oak riparian forest habitats are located within the survey area, the survey area is located outside the elevation range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Limnanthes alba ssp. *parishii*	Parish's meadowfoam	1B.2, SE, USFSS	No	This species occurs within lower montane coniferous forest, meadows and seeps, and vernal pool habitats from 1,970 to 6,560 feet in elevation (CNPS 2025).	April to June	Annual herb	No suitable habitat is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Linanthus orcuttii	Orcutt's linanthus	1B.3, USFSS	No	This species occurs within openings in chaparral, lower montane coniferous forest, and pinyon and juniper woodland habitats from 3,000 to 7,040 feet in elevation (CNPS 2025).	May to June	Annual herb	Although chaparral habitats are located within the survey area, the survey area is outside the elevation range of the species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Mielichhoferia shevockii	Shevock's copper moss	1B.2, USFSS	No	This species occurs within cismontane woodland habitat from 2,460 to 4,595 feet in elevation (CNPS 2025).	Not applicable	Moss	Although oak woodlands are located within the survey area, the survey area is outside of the typical range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**

Scientific Name	Common Name	Listing Status[1]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[2]	Life Form	Potential to Occur in the Survey Area
Monardella breweri ssp. *microcephala*	Small-headed monardella	2B.2	No	This species occurs within chaparral, cismontane woodland, and lower montane coniferous forest habitats from 755 to 3,935 feet in elevation (CNPS 2025).	May to August	Annual herb	Moderate-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. One CNDDB record of this species was documented in 2020 within 0.4 mile of the survey area. **High Potential**
Monardella hypoleuca ssp. *lanata*	Felt-leaved monardella	1B.2, USFSS	No	This species occurs within chaparral and cismontane woodland habitats from 985 to 5,170 feet in elevation (CNPS 2025).	June to August	Perennial rhizomatous herb	High-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. The nearest CNDDB record of this species was documented in an unknown year within 0.5 mile of the survey area. The most recent CNDDB record of this species was documented in 2019 within 3.8 miles of the survey area. The nearest and most recent SanBIOS record of this species was documented in 2009 within 0.2 mile of the survey area. The nearest recent Sunrise Powerlink Project record of this species was documented in 2009 within 0.2 mile of the survey area. **High Potential**
Monardella macrantha ssp. *hallii*	Hall's monardella	1B.3, USFSS	No	This species occurs within broadleafed upland forest, chaparral, cismontane woodland, lower montane coniferous forest, and valley and foothill grassland habitats from 2,395 to 7,200 feet in elevation (CNPS 2025).	June to October	Perennial rhizomatous herb	Low-quality suitable habitat consisting of woodlands, non-native grassland, and chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Monardella nana ssp. *leptosiphon*	San Felipe monardella	1B.2, USFSS	No	This species occurs within chaparral and lower montane coniferous forest habitats from 3,935 to 6,085 feet in elevation (CNPS 2025).	June to July	Perennial rhizomatous herb	Although chaparral habitats are located within the survey area, the survey area is outside the elevation range of the species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Monardella viminea	Willowy monardella	1B.1, FE, SE	Yes	This species occurs within ephemeral, alluvial washes composed of cobbly substrate that occur within chaparral, coastal scrub, riparian forest, riparian scrub, and riparian woodland habitats from 165 to 740 feet in elevation (CNPS 2025).	June to August	Perennial herb	Low-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, coastal scrub, riparian forest, coast live oak riparian forest, and riparian woodland is located within the survey area. Additionally, the survey area is outside of the typical range for this species. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Navarretia peninsularis	Baja navarretia	1B.2, USFSS	No	This species occurs within openings in chaparral, lower montane coniferous forest, meadows and seeps, pinyon and juniper woodland habitats from 4,920 to 7,545 feet in elevation (CNPS 2025).	(May) June to August	Annual herb	Although chaparral habitats are located within the survey area, the survey area is outside the elevation range of the species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Nolina cismontana	Chaparral nolina	1B.2, USFSS	No	This species occurs within chaparral and coastal sage scrub habitats, and sometimes in gabbroic or sandstone soils, from 460 to 4,185 feet in elevation (CNPS 2025).	(March) May to July	Perennial evergreen shrub	Low-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage is located within the survey area. However, gabbroic soils do not occur within the survey area. The most recent and nearest CNDDB record of this species was documented in 2010 within 2.9 miles of the survey area. One SanBIOS record of this species was documented in 2001 within 3.2 miles of the survey area. **Low Potential**

Scientific Name	Common Name	Listing Status[1]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[2]	Life Form	Potential to Occur in the Survey Area
Nolina interrata	Dehesa nolina	1B.1, SE	Yes	This species occurs within chaparral habitat (often in gabbroic, metavolcanic, or serpentinite soils) from 605 to 2,805 feet in elevation (CNPS 2025).	June to July	Perennial herb	Low-quality suitable habitat consisting of chaparral is located within the survey area. However, gabbroic soils do not occur within the survey area. The nearest recent CNDDB record of this species was documented in 2020 within 1.3 miles of the survey area. **Low Potential**
Packera ganderi	Gander's ragwort	1B.2, USFSS, SR	No	This species occurs within chaparral habitat from 1,310 to 3,935 feet in elevation (CNPS 2025).	April to June	Perennial herb	High-quality suitable habitat consisting of chaparral is located within the survey area. The nearest and most recent CNDDB record of this species was documented in 2010 within 3.2 miles of the survey area. The nearest and most recent SanBIOS record of this species was documented in 2001 within 3.2 miles of the survey area. **Moderate Potential**
Penstemon californicus	California beardtongue	1B.2, USFSS	No	This species occurs within chaparral, lower montane coniferous forest, and pinyon and juniper woodland habitats from 3,840 to 7,545 feet in elevation (CNPS 2025).	May to June (August)	Perennial herb	Although chaparral habitats are located within the survey area, the survey area is outside the elevation range of the species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Pentachaeta aurea ssp. *aurea*	Golden-rayed pentachaeta	4.2	No	This species occurs within chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, riparian woodland, and valley and foothill grassland habitats from 260 to 6,070 feet in elevation (CNPS 2025).	March to July	Annual herb	Moderate-quality suitable habitat consisting of woodlands, non-native grassland, chaparral, coastal sage/chaparral mix, coastal scrub, and riparian woodland is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Pentagramma rebmanii	Rebman's silverback fern	1B.3	No	This species occurs within chaparral, cismontane woodland, and riparian woodland habitats from 575 to 5,775 feet in elevation (CNPS 2025).	Not applicable	Perennial rhizomatous herb	High-quality suitable habitat consisting of chaparral and woodlands is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Phacelia keckii	Santiago Peak phacelia	1B.3, USFSS	No	This species occurs within closed-cone coniferous forest and chaparral habitats from 1,790 to 5,250 feet in elevation (CNPS 2025).	May to July	Annual herb	Low-quality suitable habitat consisting of chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Low Potential**
Pickeringia montana var. *tomentosa*	Woolly chaparral-pea	4.3	No	This species occurs within chaparral habitats from sea level to 5,580 feet in elevation (CNPS 2025).	May to August	Evergreen shrub	High-quality suitable habitat consisting of chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Piperia colemanii	Coleman's rein orchid	4.3	No	This species occurs within chaparral and lower montane coniferous forest habitats from 3,935 to 7,545 feet in elevation (CNPS 2025).	June to August	Perennial herb	Although chaparral habitats are located within the survey area, the survey area is outside the elevation range of the species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Piperia cooperi	Cooper's rein orchid	4.2	No	This species occurs within chaparral, cismontane woodland, and valley and foothill grassland habitats from 50 to 5,200 feet in elevation (CNPS 2025).	March to June	Perennial herb	High-quality suitable habitat consisting of woodlands, non-native grassland, and chaparral is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. The nearest CNF ESRP record of this species was documented in an unknown year within the survey area. The nearest and most recent Sunrise Powerlink Project record of this species was documented in 2010 within the survey area. **High Potential**

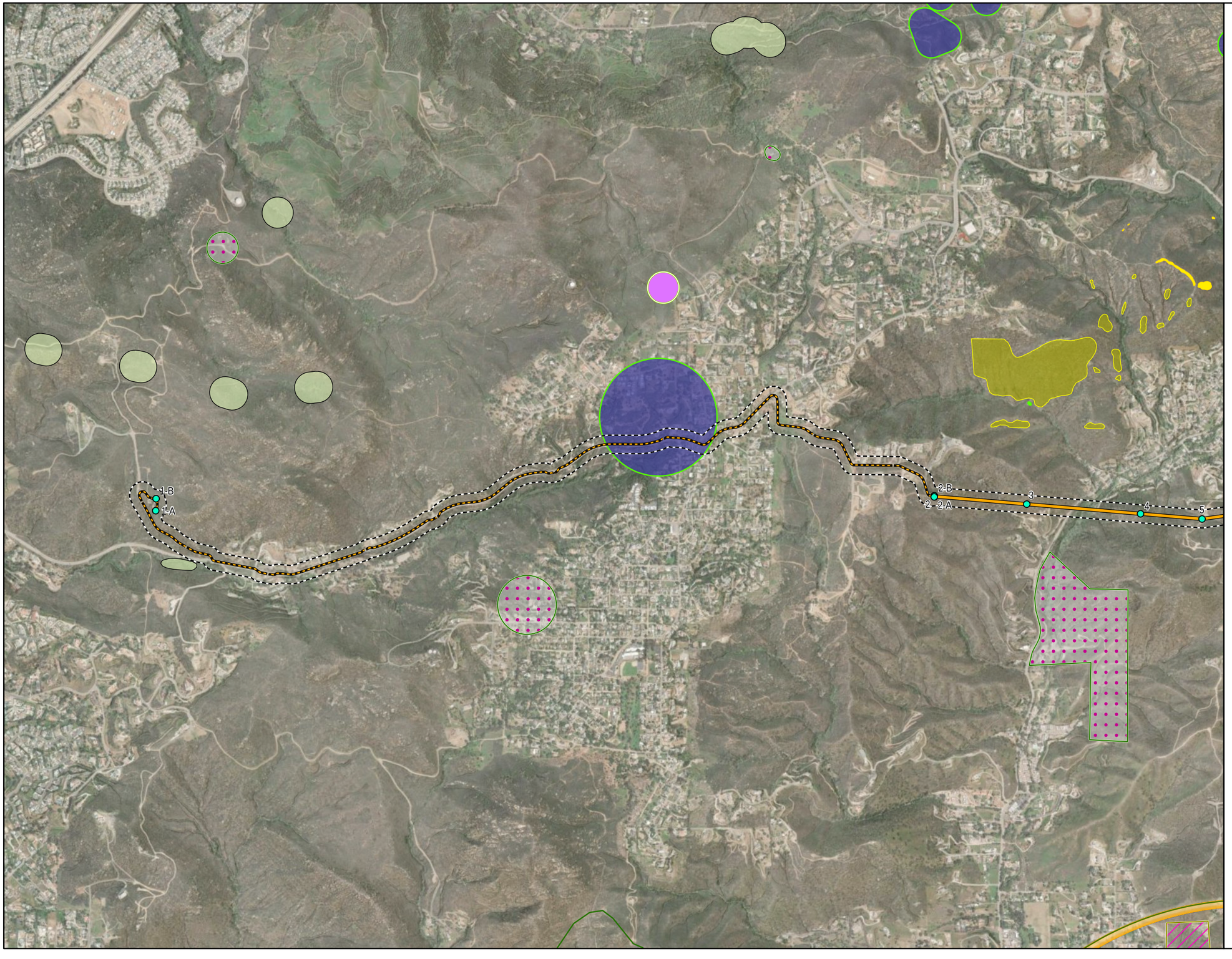
Scientific Name	Common Name	Listing Status[1]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[2]	Life Form	Potential to Occur in the Survey Area
Piperia leptopetala	Narrow-petaled rein orchid	4.3	No	This species occurs within cismontane woodland, lower montane coniferous forest, and upper montane coniferous forest habitats from 1,245 to 7,300 feet in elevation (CNPS 2025).	May to July	Perennial herb	Although oak woodlands are located within the survey area, the survey area is outside of the typical range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Pogogyne abramsii	San Diego mesa mint	1B.1, FE, SE	Yes	This species occurs within vernal pool habitat from 295 to 655 feet in elevation (CNPS 2025).	March to July	Annual herb	No suitable habitat consisting of vernal pools is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Pseudognaphalium leucocephalum	White rabbit-tobacco	2B.2	No	This species occurs within chaparral, cismontane woodland, coastal sage scrub, and riparian woodland habitats from sea level to 6,890 feet in elevation (CNPS 2025).	(July) August to November (December)	Perennial herb	Moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, coastal sage scrub, and woodlands is located within the survey area. One CNDDB record of this species was documented in 2006 within 4.3 miles of the survey area. **Moderate Potential**
Quercus cedrosensis	Cedros Island oak	2B.2	No	This species occurs within chaparral, closed-cone coniferous forest, and coastal sage scrub habitats from 835 to 3,150 feet in elevation (CNPS 2025).	April to May	Perennial evergreen tree	Moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. One CNDDB record of this species was documented in 2013 within 4.4 miles of the survey area. **Moderate Potential**
Quercus dumosa	Nuttall's scrub oak	1B.1, USFSS	No	This species occurs within chaparral, closed-cone coniferous forest, and coastal sage scrub habitats from 50 to 1,310 feet in elevation (CNPS 2025).	February to April (May to August)	Perennial evergreen shrub	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. The nearest CNDDB record of this species was documented in 1997 within 2.3 miles of the survey area. The nearest recent CNDDB record of this species was documented in 2005 within 3.8 miles of the survey area. **Moderate Potential**
Quercus engelmannii	Engelmann oak	4.2	No	This species occurs within chaparral, cismontane woodland, riparian woodland, and valley and foothill grassland habitats from 165 to 4,265 feet in elevation (CNPS 2025).	March to June	Perennial deciduous tree	High-quality suitable habitat consisting of non-native grassland, chaparral, and woodlands is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. This species was observed during the 2025 field survey. **Present**
Rhinotropis cornuta var. *fishiae*	Fish's milkwort	4.3	No	This species occurs within chaparral, cismontane woodland, and riparian woodland habitats from 330 to 3,280 feet in elevation (CNPS 2025).	May to August	Perennial deciduous shrub	High-quality suitable habitat consisting of chaparral and woodlands is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Ribes canthariforme	Moreno currant	1B.3, USFSS	No	This species occurs within chaparral and riparian scrub habitats from 1,115 to 3,935 feet in elevation (CNPS 2025).	February to April	Perennial deciduous shrub	High-quality suitable habitat consisting of chaparral is located within the survey area. The nearest CNDDB record of this species was documented in an unknown year within 0.5 mile of the survey area. The nearest and most recent CNDDB record of this species was documented in 2015 within 2.2 miles of the survey area. One SanBIOS record of this species was documented in 2001 within 2.8 miles of the survey area. One Sunrise Powerlink Project record of this species was documented in 2010 within 1.1 miles of the survey area. **Moderate Potential**
Romneya coulteri	Coulter's matilija poppy	4.2	No	This species occurs within chaparral and coastal scrub habitats from 65 to 3,935 feet in elevation (CNPS 2025).	March to July (August)	Perennial rhizomatous herb	Moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**

Scientific Name	Common Name	Listing Status[1]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[2]	Life Form	Potential to Occur in the Survey Area
Salvia munzii	Munz's sage	2B.2	No	This species occurs within chaparral and coastal sage scrub habitats from 375 to 3,495 feet in elevation (CNPS 2025).	February to April	Perennial evergreen shrub	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. One CNDDB record of this species was documented in 2006 within the survey area. This species was observed during the 2025 field survey. **Present**
Sanicula tracyi	Tracy's sanicle	4.2, USFSS	No	The species occurs within cismontane woodland, lower montane coniferous forest, and upper montane coniferous forest habitats from 330 to 5,200 feet (CNPS 2025).	April to July	Perennial herb	Although oak woodlands are located within the survey area, the survey area is outside of the range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Scutellaria bolanderi ssp. *austromontana*	Southern mountains skullcap	1B.2, USFSS	No	This species occurs within mesic areas within chaparral, cismontane woodland, and lower montane coniferous forest habitats from 1,395 to 6,560 feet in elevation (CNPS 2025).	June to August	Perennial rhizomatous herb	Moderate-quality suitable habitat consisting of woodlands and chaparral is located within the survey area. No recent CNDDB records of this species have been documented within five miles of the survey area. The nearest historic CNDDB record of this species was documented in 1937 within 0.3 mile of the survey area. **Moderate Potential**
Selaginella cinerascens	Ashy spike-moss	4.1	No	This species occurs within chaparral and coastal scrub habitats from 65 to 2,100 feet in elevation (CNPS 2025).	Not applicable	Perennial rhizomatous herb	Moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Senna covesii	Cove's cassia	2B.2	No	This species occurs within Sonoran desert scrub habitat from 740 to 4,250 feet in elevation (CNPS 2025).	March to June (August)	Perennial herb	No suitable habitat is located within the survey area. One CNDDB record of this species was documented in 2007 within 2.4 miles of the survey area. **Absent**
Sibaropsis hammittii	Hammitt's clay-cress	1B.2, USFSS	No	This species occurs within chaparral and valley and foothill grassland habitats from 2,360 to 3,495 feet in elevation (CNPS 2025).	March to April	Annual herb	Moderate-quality suitable habitat consisting of non-native grassland and chaparral is located within the survey area. The nearest and most recent CNDDB record of this species was documented in 2003 within 3.3 miles of the survey area. The nearest and most recent SanBIOS record of this species was documented in 1994 within 2.7 miles of the survey area. **Moderate Potential**
Sphaerocarpos drewiae	Bottle liverwort	1B.1	No	This species occurs within chaparral and coastal sage scrub habitats from 295 to 1,970 feet in elevation (CNPS 2025).	Not applicable	Ephemeral liverwort	Moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. One CNDDB record of this species was documented in 1994 within 4.8 miles of the survey area. **Moderate Potential**
Stipa diegoensis	San Diego County needle grass	4.2	No	This species occurs within chaparral and coastal scrub habitats from 35 to 2,625 feet in elevation (CNPS 2025).	February to June	Perennial herb	Moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Streptanthus campestris	Southern jewel-flower	1B.3, USFSS	No	This species occurs within chaparral, lower montane coniferous forest, and pinyon and juniper woodland habitats from 2,955 to 7,545 feet in elevation (CNPS 2025).	(April) May to July	Perennial herb	Moderate-quality suitable habitat consisting of chaparral is located within the survey area. The elevation of the survey area is located just within the typical elevation range for this species. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**

Scientific Name	Common Name	Listing Status[1]	SDG&E HCP Amendment Covered Species?	Habitat Requirements	Blooming Period[2]	Life Form	Potential to Occur in the Survey Area
Symphyotrichum defoliatum	San Bernardino aster	1B.2, USFSS	No	This species occurs within cismontane woodland, coastal scrub, lower montane coniferous forest, meadows and seeps, marshes and swamps, and valley and foothill grassland (vernally mesic) habitats from five to 6,695 feet in elevation (CNPS 2025).	July to November	Perennial rhizomatous herb	Moderate-quality suitable habitat consisting of woodlands, non-native grassland, and coastal scrub is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Moderate Potential**
Tetracoccus dioicus	Parry's tetracoccus	1B.2, USFSS	No	This species occurs within chaparral and coastal sage scrub habitats from 540 to 3,280 feet in elevation (CNPS 2025).	April to May	Perennial deciduous shrub	Moderate-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage scrub is located within the survey area. The nearest CNDDB record of this species was documented in 2011 within 1.5 miles of the survey area. The most recent CNDDB record of this species was documented in 2015 within 1.5 miles of the survey area. **Moderate Potential**
Thermopsis californica var. *semota*	Velvety false lupine	1B.2, USFSS	No	This species occurs within cismontane woodland, lower montane coniferous forest, meadows and seeps, and valley and foothill grassland habitats from 3,280 to 6,135 feet in elevation (CNPS 2025).	March to June	Perennial rhizomatous herb	Although high-quality suitable woodland and non-native grassland habitats are located within the survey area, the survey area is outside the elevation range of this species. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Thysanocarpus rigidus	Rigid fringepod	1B.2, USFSS	No	This species occurs within pinyon and juniper woodland habitats from 1,970 to 7,220 feet in elevation (CNPS 2025).	February to May	Annual herb	No suitable habitat is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. **Absent**
Xanthisma junceum	Rush like bristleweed	4.3	No	This species occurs within chaparral and coastal sage scrub habitats 785 to 3,280 feet in elevation (CNPS 2025).	January to October	Perennial herb	High-quality suitable habitat consisting of chaparral, coastal sage/chaparral mix, and coastal sage is located within the survey area. No CNDDB records of this species have been documented within five miles of the survey area. The nearest and most recent SanBIOS record of this species was documented in 2012 within 0.7 mile of the survey area. The nearest CNF ESRP record of this species was documented in an unknown year within 0.1 mile of the survey area. The nearest and most recent Sunrise Powerlink Project record of this species was documented in 2009 within the survey area. This species was observed during the 2025 field survey. **Present**

Sources: California Native Plant Society (CNPS) 2025 and U.S. Fish and Wildlife Service (USFWS) 2011

ATTACHMENT C: RECENT AND HISTORIC SPECIAL-STATUS PLANT RECORDS



Attachment C:
Recent and Historic Special-Status Plant Records
Map 1 of 4

Suncrest
230 Kilovolt Loop-In Project

Survey Area

Project Components

Proposed Pole Location

Proposed 230kV OH Segment

Proposed 230kV Western UG Segment

SanBios Plant Data

Rush-like Bristleweed (*Xanthisma junceum*)

San Diego County Viguiera (*Bahiopsis lacinata*)

San Diego Sagewort (*Artemisia palmeri*)

California Natural Diversity Database

Dehesa Nolina (*Nolina interrata*)

Delicate Clarkia (*Clarkia delicata*)

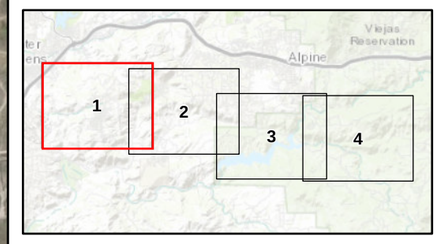
Lakeside Ceanothus (*Ceanothus cyaneus*)

Palmer's Goldenbush (*Ericameria palmeri* var. *palmeri*)

Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)

San Diego Sagewort (*Artemisia palmeri*)

Small-headed Monardella (*Monardella breweri* ssp. *microcephala*)



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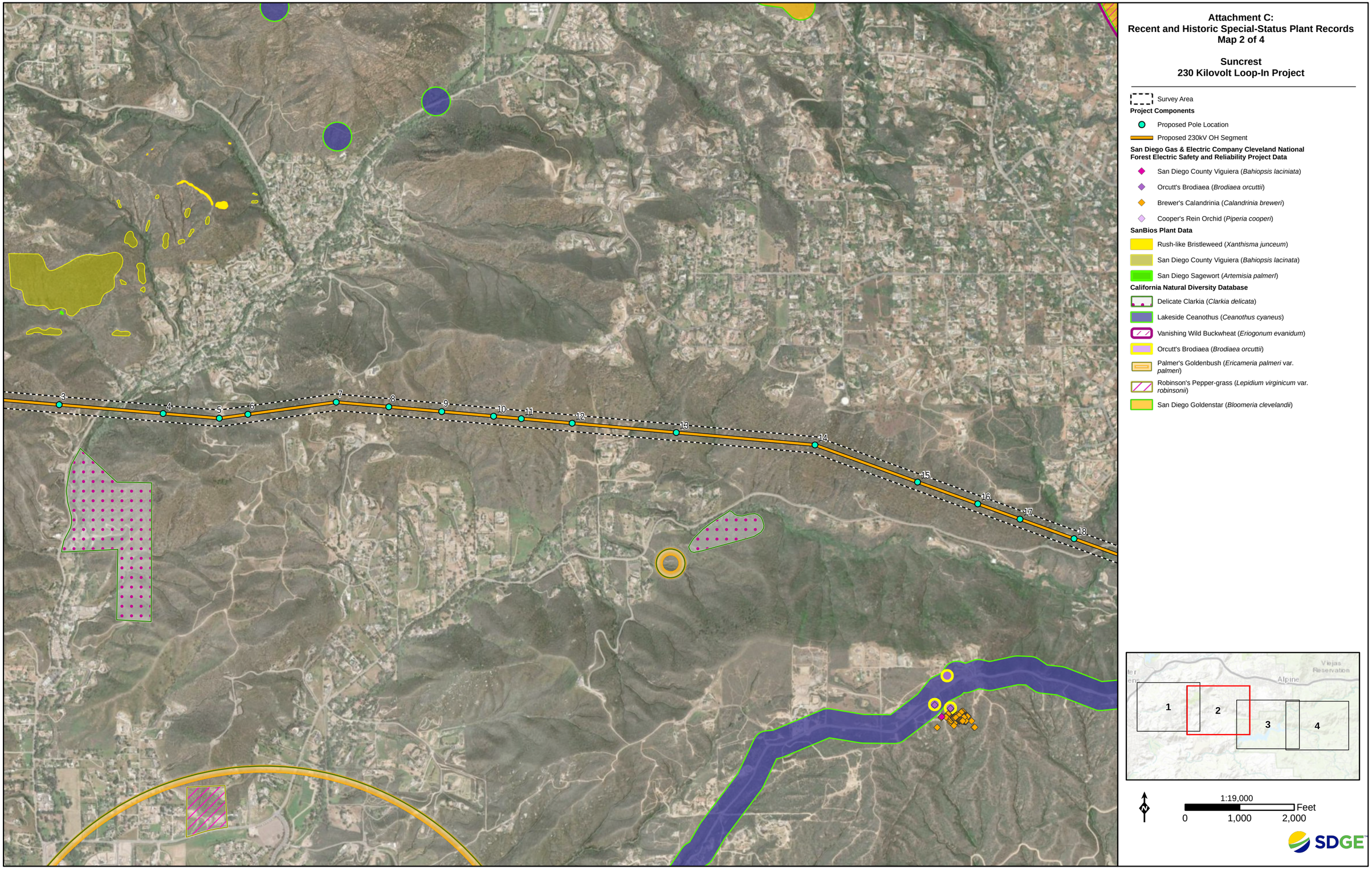

Attachment C:
Recent and Historic Special-Status Plant Records
Map 2 of 4

Suncrest
230 Kilovolt Loop-In Project

Survey Area

Project Components

Proposed Pole Location

Proposed 230kV OH Segment

San Diego Gas & Electric Company Cleveland National Forest Electric Safety and Reliability Project Data

San Diego County Viguiera (*Bahiopsis laciniata*)

Orcutt's Brodiaea (*Brodiaea orcuttii*)

Brewer's Calandrinia (*Calandrinia breweri*)

Cooper's Rein Orchid (*Piperia cooperi*)

SanBios Plant Data

Rush-like Bristleweed (*Xanthisma junceum*)

San Diego County Viguiera (*Bahiopsis lacinata*)

San Diego Sagewort (*Artemisia palmeri*)

California Natural Diversity Database

Delicate Clarkia (*Clarkia delicata*)

Lakeside Ceanothus (*Ceanothus cyaneus*)

Vanishing Wild Buckwheat (*Eriogonum evanidum*)

Orcutt's Brodiaea (*Brodiaea orcuttii*)

Palmer's Goldenbush (*Ericameria palmeri* var. *palmeri*)

Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)

San Diego Goldenstar (*Bloomeria clevelandii*)

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Attachment C:
Recent and Historic Special-Status Plant Records
Map 3 of 4

Suncrest
230 Kilovolt Loop-In Project

Survey Area

Project Components

Proposed Pole Location

Proposed 230kV OH Segment

San Diego Gas & Electric Company Cleveland National Forest Electric Safety and Reliability Project Data

San Diego County Viguiera (*Bahiopsis laciniata*)

Orcutt's Brodiaea (*Brodiaea orcuttii*)

Brewer's Calandrinia (*Calandrinia breweri*)

Dunn's Mariposa Lily (*Calochortus dunnii*)

Delicate Clarkia (*Clarkia delicata*)

San Diego Sunflower (*Hulsea californica*)

Rush-like Bristleweed (*Xanthisma junceum*)

Cooper's Rein Orchid (*Piperia cooperi*)

Sweetwater Authority Data

San Diego Sagewort (*Artemisia palmeri*)

Southwestern Spiny Rush (*Juncus acutus* ssp. *leopoldii*)

California Natural Diversity Database

Delicate Clarkia (*Clarkia delicata*)

Dunn's Mariposa Lily (*Calochortus dunnii*)

Lakeside Ceanothus (*Ceanothus cyaneus*)

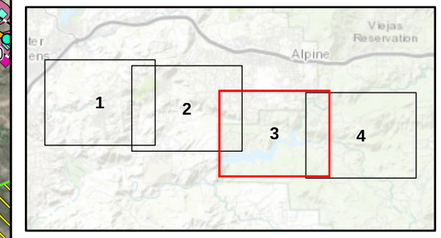
Munz's Sage (*Salvia munzii*)

Orcutt's Brodiaea (*Brodiaea orcuttii*)

Ramona Horkelia (*Horkelia truncata*)

Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)

San Diego Milk-vetch (*Astragalus oocarpus*)



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Attachment C:
Recent and Historic Special-Status Plant Records
Map 4 of 4

Suncrest
230 Kilovolt Loop-In Project

Felt-leaved Monardella

Survey Area

Existing Suncrest Substation

Project Components

Proposed Pole Location

Proposed 230kV Eastern UG Segment

Proposed 230kV OH Segment

San Diego Gas & Electric Company Cleveland National Forest Electric Safety and Reliability Project Data

San Diego County Viguiera (*Bahiopsis laciniata*)

Dunn's Mariposa Lily (*Calochortus dunnii*)

Delicate Clarkia (*Clarkia delicata*)

San Diego Sunflower (*Hulsea californica*)

Cooper's Rein Orchid (*Piperia cooperi*)

Sunrise Powerlink Project Data

Cooper's Piperia (*Piperia cooperi*)

San Diego Milk-vetch (*Astragalus oocarpus*)

Engelmann Oak (*Quercus engelmannii*)

Felt-leaved Monardella (*Monardella hypoleuca* ssp. *lanata*)

Palmer's Goldenbush (*Ericameria palmeri* var. *palmeri*)

Peninsular Spineflower (*Chorizanthe leptotheca*)

Rush-like Bristleweed (*Xanthisma junceum*)

SanBios Plant Data

Felt-leaved Monardella (*Monardella hypoleuca* ssp. *lanata*)

California Natural Diversity Database

Delicate Clarkia (*Clarkia delicata*)

Dunn's Mariposa Lily (*Calochortus dunnii*)

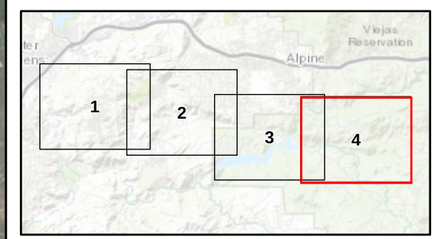
Felt-leaved Monardella (*Monardella hypoleuca* ssp. *lanata*)

Moreno Currant (*Ribes canthariforme*)

Orcutt's Brodiaea (*Brodiaea orcuttii*)

Ramona Horkelia (*Horkelia truncata*)

Southern Mountains Skullcap (*Scutellaria bolanderi* ssp. *austromontana*)



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ATTACHMENT D: VEGETATION COMMUNITIES AND LAND COVER

Attachment D:
Vegetation Communities and Land Cover
Map 1 of 12

Suncrest 230 Kilovolt Loop-In Project

Area Not Accessed
Survey Area

Project Components

Proposed Pole Location
Proposed 230 kV Western UG Segment

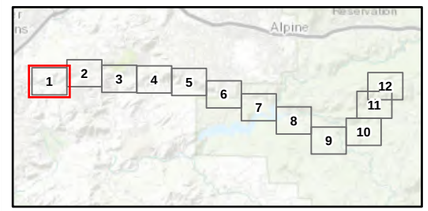
Aquatic Features

Mapped Feature

Vegetation Communities and Land Covers

Agricultural
Bare Ground
Chaparral (Sensitive Natural Community)
Coast Live Oak Riparian Forest (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Coastal Sage/Chaparral Mix (Sensitive Natural Community)
Developed
Disturbed
Landscaped/Ornamental

1-B
1-A
Forester Creek



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Attachment D:
Vegetation Communities and Land Cover
Map 2 of 12

Suncrest 230 Kilovolt Loop-In Project

Area Not Accessed
Survey Area
Harbison Canyon

Project Components

Proposed 230 kV Western UG Segment

Aquatic Features

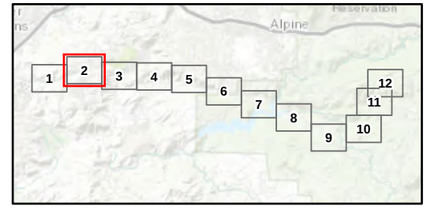
Mapped Feature

Vegetation Communities and Land Covers

Bare Ground
Chaparral (Sensitive Natural Community)
Coast Live Oak Riparian Forest (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Coastal Sage/Chaparral Mix (Sensitive Natural Community)
Developed
Disturbed
Landscaped/Ornamental
Open Oak Woodland

Harbison Canyon

Forester Creek



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Attachment D:
Vegetation Communities and Land Cover
Map 3 of 12

Suncrest 230 Kilovolt Loop-In Project

Area Not Accessed
Survey Area
Harbison Canyon

Project Components

Proposed Pole Location
Proposed 230 kV OH Segment
Proposed 230 kV Western UG Segment

Aquatic Features

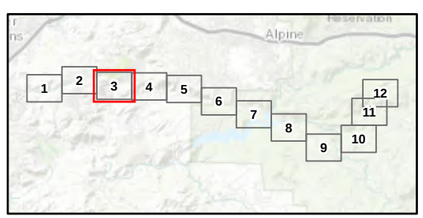
Mapped Feature

Vegetation Communities and Land Covers

Bare Ground
Chaparral (Sensitive Natural Community)
Coast Live Oak Riparian Forest (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Coastal Sage/Chaparral Mix (Sensitive Natural Community)
Concrete Lined Channel
Developed
Disturbed
Landscaped/Ornamental

Harbison Canyon

2-A
2
2-B
3
4
5
6



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Attachment D:
Vegetation Communities and Land Cover
Map 4 of 12

Suncrest 230 Kilovolt Loop-In Project

Road
Area Not Accessed
Survey Area
Harbison Canyon

Project Components

Proposed Pole Location
Proposed 230 kV OH Segment

Aquatic Features

Mapped Feature

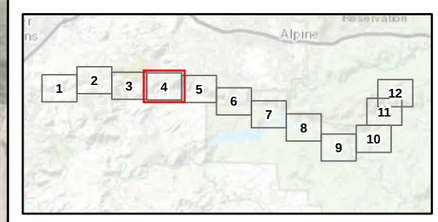
Vegetation Communities and Land Covers

Bare Ground
Chaparral (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Disturbed

Harbison Canyon

6
7
8
9
10
11
12

Dehesa Road



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Attachment D:
Vegetation Communities and Land Cover
Map 5 of 12

Suncrest 230 Kilovolt Loop-In Project

Road
Area Not Accessed
Survey Area
Harbison Canyon

Project Components

Proposed Pole Location
Proposed 230 kV OH Segment

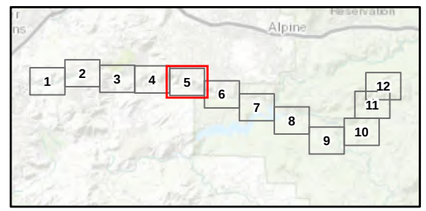
Aquatic Features

Mapped Feature

Vegetation Communities and Land Covers

Bare Ground
Coastal Sage Scrub (Sensitive Natural Community)
Coastal Sage/Chaparral Mix (Sensitive Natural Community)
Disturbed
Riparian Woodland (Sensitive Natural Community)

Harbison Canyon
13
14
15
16
Dehesa Road



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Attachment D:
Vegetation Communities and Land Cover
Map 6 of 12

Suncrest 230 Kilovolt Loop-In Project

Road
Survey Area

Project Components

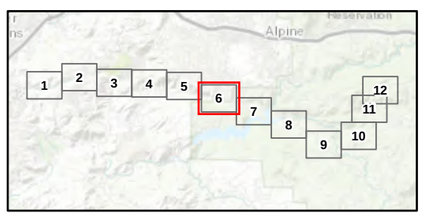
Proposed Pole Location
Proposed 230 kV OH Segment

Aquatic Features

Mapped Feature

Vegetation Communities and Land Covers

Bare Ground
Chaparral (Sensitive Natural Community)
Coast Live Oak Riparian Forest (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Coastal Sage/Chaparral Mix (Sensitive Natural Community)
Developed
Disturbed
Riparian Woodland (Sensitive Natural Community)



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Attachment D:
Vegetation Communities and Land Cover
Map 7 of 12

Suncrest 230 Kilovolt Loop-In Project

Road
Survey Area

Project Components

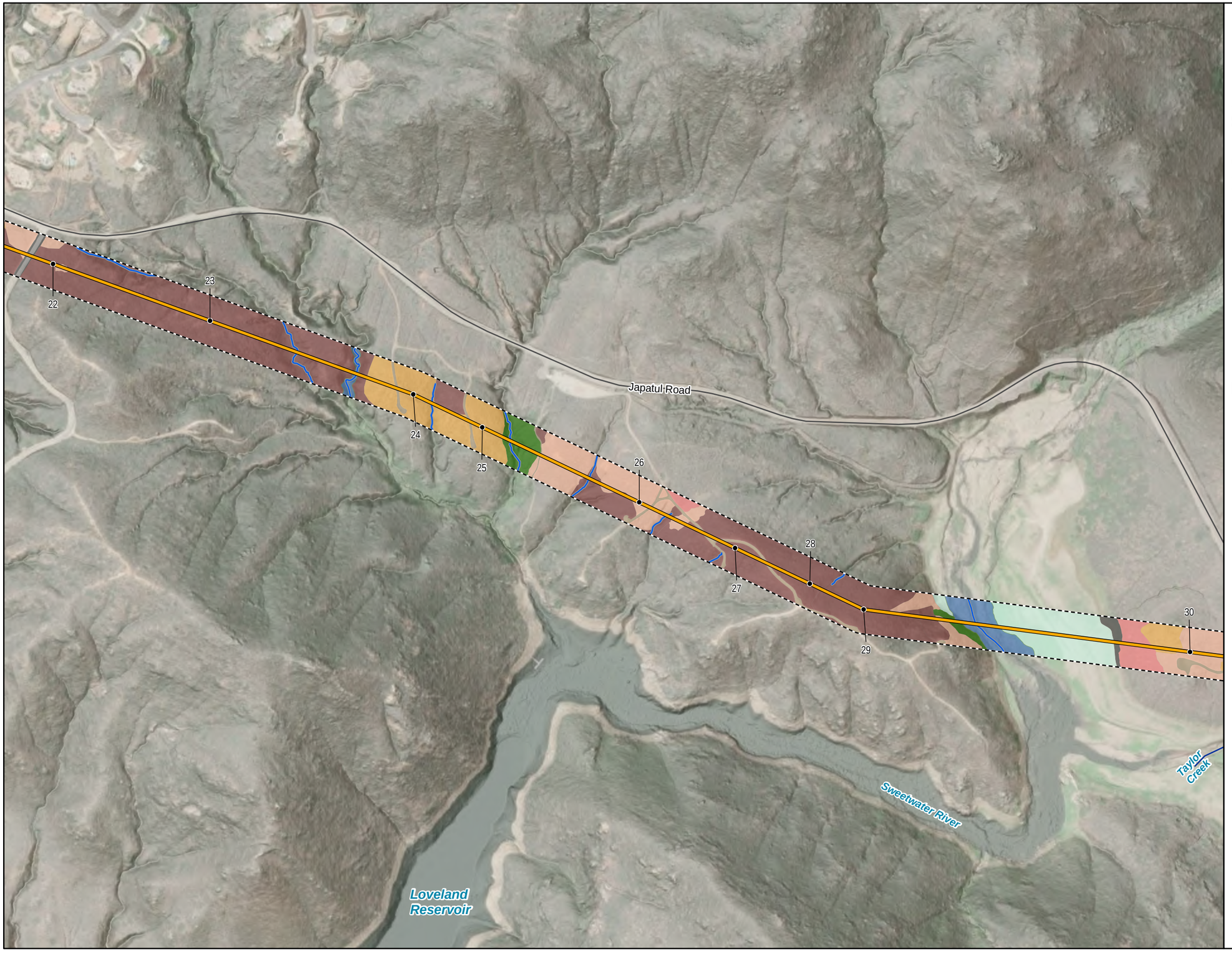
Proposed Pole Location
Proposed 230 kV OH Segment

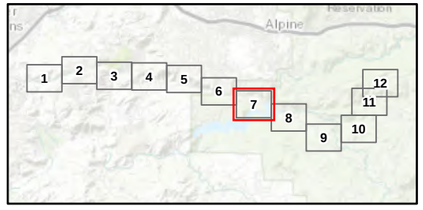
Aquatic Features

Mapped Feature

Vegetation Communities and Land Covers

Bare Ground
Buckwheat Scrub
Chaparral (Sensitive Natural Community)
Coast Live Oak Riparian Forest (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Coastal Sage/Chaparral Mix (Sensitive Natural Community)
Developed
Disturbed
Non-Vegetated
Riparian Woodland (Sensitive Natural Community)





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Attachment D:
Vegetation Communities and Land Cover
Map 8 of 12

Suncrest 230 Kilovolt Loop-In Project

Road
Area Not Accessed
Survey Area

Project Components

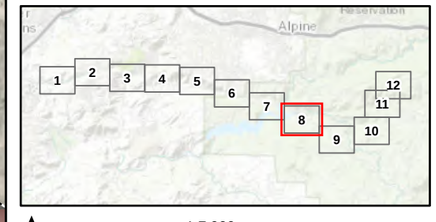
Proposed Pole Location
Proposed 230 kV OH Segment

Aquatic Features

Mapped Feature

Vegetation Communities and Land Covers

Bare Ground
Buckwheat Scrub
Chaparral (Sensitive Natural Community)
Coast Live Oak Riparian Forest (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Coastal Sage/Chaparral Mix (Sensitive Natural Community)
Developed
Disturbed
Landscaped/Ornamental
Non-Native Grassland
Non-Vegetated
Riparian Forest (Sensitive Natural Community)
Riparian Woodland (Sensitive Natural Community)



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Attachment D:
Vegetation Communities and Land Cover
Map 9 of 12

Suncrest 230 Kilovolt Loop-In Project

Road
Area Not Accessed
Survey Area

Project Components

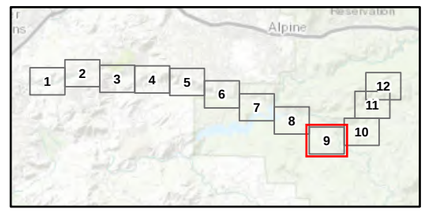
Proposed Pole Location
Proposed 230 kV OH Segment

Aquatic Features

Mapped Feature

Vegetation Communities and Land Covers

Bare Ground
Chaparral (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Coastal Sage/Chaparral Mix (Sensitive Natural Community)
Developed
Disturbed
Landscaped/Ornamental
Riparian Forest (Sensitive Natural Community)



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Attachment D:
Vegetation Communities and Land Cover
Map 10 of 12

Suncrest 230 Kilovolt Loop-In Project

Area Not Accessed
Survey Area

Project Components

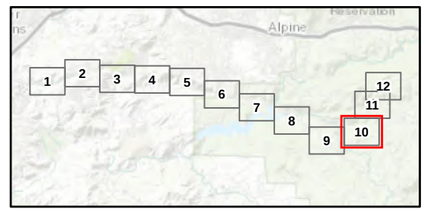
Proposed Pole Location
Proposed 230 kV OH Segment

Aquatic Features

Mapped Feature

Vegetation Communities and Land Covers

Chaparral (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Riparian Woodland (Sensitive Natural Community)



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Attachment D:
Vegetation Communities and Land Cover
Map 11 of 12

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Existing Suncrest Substation

Project Components

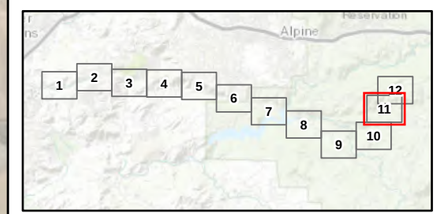
- Proposed Pole Location
- Proposed 230 kV Eastern UG Segment
- Proposed 230 kV OH Segment

Aquatic Features

- Mapped Feature

Vegetation Communities and Land Covers

- Bare Ground
- Chaparral (Sensitive Natural Community)
- Coast Live Oak Riparian Forest (Sensitive Natural Community)
- Coastal Sage Scrub (Sensitive Natural Community)
- Coastal Sage/Chaparral Mix (Sensitive Natural Community)
- Developed
- Disturbed
- Open Engelmann Oak Woodland (Sensitive Natural Community)
- Riparian Woodland (Sensitive Natural Community)



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Attachment D:
Vegetation Communities and Land Cover
Map 12 of 12

Suncrest 230 Kilovolt Loop-In Project

Survey Area
Existing Suncrest Substation

Project Components

Proposed Pole Location
Proposed 230 kV Eastern UG Segment
Proposed 230 kV OH Segment

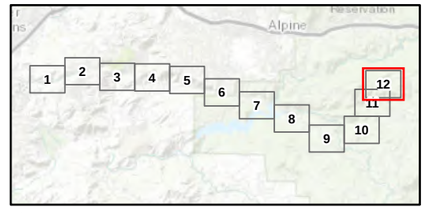
Aquatic Features

Mapped Feature

Vegetation Communities and Land Covers

Bare Ground
Chaparral (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Coastal Sage/Chaparral Mix (Sensitive Natural Community)
Developed
Disturbed
Open Engelmann Oak Woodland (Sensitive Natural Community)
Open Oak Woodland

57-A
57-B
56



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ATTACHMENT E: SPECIAL-STATUS PLANT PHOTOGRAPHS

ATTACHMENT E: SPECIAL-STATUS PLANT PHOTOGRAPHS

Photograph 1: West-facing view of the delicate clarkia (*Clarkia delicata*) reference site within coast live oak woodland in unincorporated San Diego County on May 2, 2025.

Photograph 2: Individual delicate clarkia blooming within the reference site on May 2, 2025.

Photograph 3: Individual Dehesa nolina (*Nolina interatta*) within the reference site on July 9, 2025.

Photograph 4: West-facing view of the Dunn's mariposa lily (*Calochortus dunnii*) reference site within chaparral and disturbed habitat in unincorporated San Diego County on July 31, 2025.

Photograph 5: Individual Dunn's mariposa lily blooming within the reference site on June 3, 2025.

Photograph 6: South-facing view of the Encinitas baccharis (*Baccharis vanessae*) reference site within chaparral habitat near the Olivenhain Dam and Reservoir in unincorporated San Diego County on August 2, 2025.

Photograph 7: Individual Encinitas baccharis blooming within the reference site on August 2, 2025.

Photograph 8: North-facing view of the Palmer's goldenbush (*Ericameria palmeri* var. *palmeri*) reference site within coastal sage scrub habitat near Singing Hills Golf Club in unincorporated San Diego County on July 9, 2025.

Photograph 9: Individual Palmer's goldenbush within coastal sage scrub at the reference site on July 9, 2025.

Photograph 10: South-facing view of the felt leaved monardella (*Monardella hypoleuca* ssp. *lanata*) reference site within coast live oak woodland habitat in unincorporated San Diego County on June 30, 2025.

Photograph 10: Individual felt leaved monardella beginning to bloom within the reference site on July 17, 2025.

Photograph 11: West-facing view of the sticky geraea (*Geraea viscida*) reference site within coastal sage scrub habitat in unincorporated San Diego County on June 30, 2025.

Photograph 12: Individual sticky geraea blooming within the reference site on June 23, 2025.

Photograph 13: Southwest-facing view of the rush like bristleweed (*Xanthisma junceum*) reference site within the survey area within chaparral habitat in unincorporated San Diego County on June 30, 2025.

Photograph 14: South-facing view of delicate clarkia habitat along the edge of chaparral and riparian woodland habitat near a drainage within lands managed by Sweetwater Authority in the survey area on May 8, 2025.

Photograph 15: Multiple delicate clarkia blooming within lands managed by Sweetwater Authority in the survey area on May 8, 2025.

Photograph 16: South-facing view of Munz's sage (*Salvia munzii*) habitat in the survey area consisting of coastal sage scrub south of Dehesa Road in the community of Alpine on April 15, 2025.

Photograph 17: Multiple Munz's sage individuals blooming within the survey area near the intersection of Dehesa Road and Japatul Road in the community of Alpine on May 7, 2025.

Photograph 18: East-facing view of San Diego sagewort (*Artemisia palmeri*) habitat in the survey area consisting of coastal sage scrub and disturbed habitat near Forester Creek in the community of Crest on May April 28, 2025.

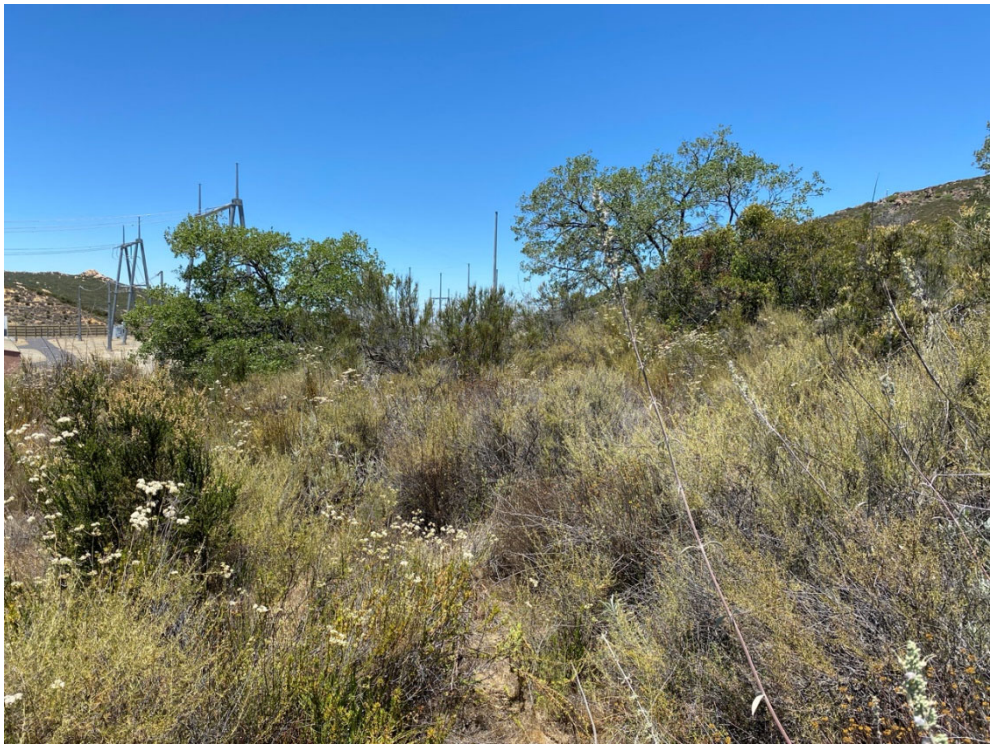
Photograph 19: Individual San Diego sagewort within the survey area near Forester Creek on April 28, 2025.

Photograph 20: West-facing view of San Diego County viguiera (*Bahiopsis laciniata*) and Robinson's pepper grass (*Lepidium virginicum* var. *robinsonii*) habitat in the survey area consisting of coastal sage scrub on steep slopes southwest of the community of Alpine on May 12, 2025.

Photograph 21: Individual San Diego County viguiera blooming within the survey area south of the community of Alpine on April 15, 2025.

Photograph 22: Southeast-facing view of Robinson's pepper grass and San Diego County viguiera habitat in the survey area consisting of openings in coastal sage scrub on steep slopes south of the community of Alpine on April 16, 2025.

Photograph 23: Multiple Robinson’s pepper grass individuals fruiting within the survey area south of the community of Alpine on April 29, 2025.



Photograph 24: West-facing view of Engelmann oak (*Quercus engelmannii*) habitat in the survey area within open, dry slopes to the east of the existing Suncrest Substation on June 30, 2025.

Photograph 25: Individual Engelmann oak within the survey area southeast of the existing Suncrest Substation on June 30, 2025.

Photograph 26: West-facing view of rush like bristleweed (*Xanthisma junceum*) habitat in the survey area consisting of disturbed and chaparral habitat near proposed pole location 29 on July 1, 2025.

Photograph 27: Individual rush like bristleweed blooming within the survey area near proposed pole location 29 on July 1, 2025.

Photograph 29: Northeast-facing view of Palmer's goldenbush habitat in the survey area consisting of coastal sage scrub and bordered by riparian habitat to the northeast of proposed pole location 53 on August 27, 2025.

Photograph 30: Individual Palmer's goldenbush within the survey area near a drainage between proposed pole locations 51 and 52 on May 15, 2025.

ATTACHMENT F: SPECIAL-STATUS PLANT SURVEY RESULTS

Attachment F:
Special-Status Plant Survey Results
Map 1 of 12

Suncrest 230 Kilovolt Loop-In Project

Area Not Accessed
Survey Area

Project Components

Proposed Pole Location
Proposed 230 kV Western UG Segment

Aquatic Features

Mapped Feature

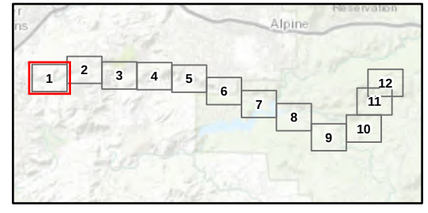
Special-Status Plant Observations

Delicate Clarkia (*Clarkia delicata*)
San Diego County Viguiera (*Bahiopsis laciniata*)
San Diego Sagewort (*Artemisia palmeri*)
San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers

Agricultural
Bare Ground
Chaparral (Sensitive Natural Community)
Coast Live Oak Riparian Forest (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Coastal Sage/Chaparral Mix (Sensitive Natural Community)
Developed
Disturbed
Landscaped/Ornamental

1-B
1-A
Forester Creek



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Attachment F:
Special-Status Plant Survey Results
Map 2 of 12

Suncrest 230 Kilovolt Loop-In Project

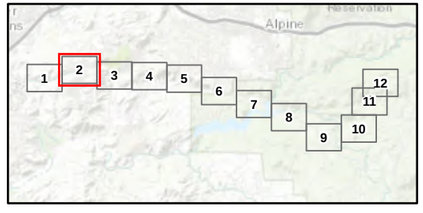
Area Not Accessed
Survey Area
Harbison Canyon

Project Components
Proposed 230 kV Western UG Segment

Aquatic Features
Mapped Feature

Special-Status Plant Observations
San Diego County Viguiera (*Bahiopsis laciniata*)
San Diego Sagewort (*Artemisia palmeri*)
Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)
San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers
Bare Ground
Chaparral (Sensitive Natural Community)
Coast Live Oak Riparian Forest (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Coastal Sage/Chaparral Mix (Sensitive Natural Community)
Developed
Disturbed
Landscaped/Ornamental
Open Oak Woodland



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Attachment F:
Special-Status Plant Survey Results
Map 3 of 12

Suncrest 230 Kilovolt Loop-In Project

Harbison Canyon

2-B
2
2-A
3
4
5
6

- Area Not Accessed
- Survey Area
- Harbison Canyon

Project Components

- Proposed Pole Location
- Proposed 230 kV OH Segment
- Proposed 230 kV Western UG Segment

Aquatic Features

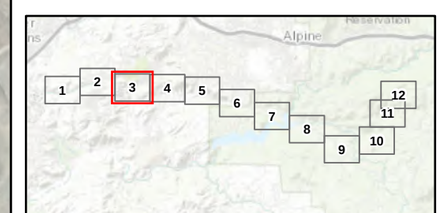
- Mapped Feature

Special-Status Plant Observations

- Delicate Clarkia (*Clarkia delicata*)
- Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)
- San Diego County Viguiera (*Bahiopsis laciniata*)
- Delicate Clarkia (*Clarkia delicata*)
- Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)
- San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers

- Bare Ground
- Chaparral (Sensitive Natural Community)
- Coast Live Oak Riparian Forest (Sensitive Natural Community)
- Coastal Sage Scrub (Sensitive Natural Community)
- Coastal Sage/Chaparral Mix (Sensitive Natural Community)
- Concrete Lined Channel
- Developed
- Disturbed
- Landscaped/Ornamental



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Attachment F:
Special-Status Plant Survey Results
Map 4 of 12

Suncrest 230 Kilovolt Loop-In Project

Road
Area Not Accessed
Survey Area
Harbison Canyon

Project Components

Proposed Pole Location
Proposed 230 kV OH Segment

Aquatic Features

Mapped Feature

Special-Status Plant Observations

Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)
Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)
San Diego County Viguiera (*Bahiopsis laciniata*)

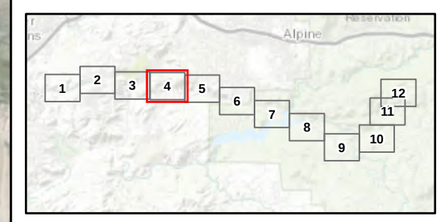
Vegetation Communities and Land Covers

Bare Ground
Chaparral (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Disturbed

Harbison Canyon

6
7
8
9
10
11
12

Dehesa Road



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Attachment F:
Special-Status Plant Survey Results
Map 5 of 12

Suncrest 230 Kilovolt Loop-In Project

Road
Area Not Accessed
Survey Area
Harbison Canyon

Project Components

Proposed Pole Location
Proposed 230 kV OH Segment

Aquatic Features

Mapped Feature

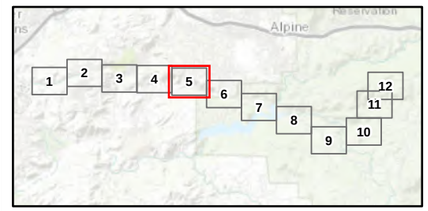
Special-Status Plant Observations

San Diego County Viguiera (*Bahiopsis laciniata*)
San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers

Bare Ground
Coastal Sage Scrub (Sensitive Natural Community)
Coastal Sage/Chaparral Mix (Sensitive Natural Community)
Disturbed
Riparian Woodland (Sensitive Natural Community)

Harbison Canyon
13
14
15
16
Dehesa Road



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Attachment F:
Special-Status Plant Survey Results
Map 6 of 12

Suncrest 230 Kilovolt Loop-In Project

- Road
- Survey Area

Project Components

- Proposed Pole Location
- Proposed 230 kV OH Segment

Aquatic Features

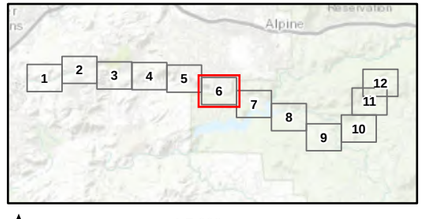
- Mapped Feature

Special-Status Plant Observations

- Engelmann Oak (*Quercus engelmannii*)
- Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)
- San Diego County Viguiera (*Bahiopsis laciniata*)
- Munz's Sage (*Salvia munzii*)
- San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers

- Bare Ground
- Chaparral (Sensitive Natural Community)
- Coast Live Oak Riparian Forest (Sensitive Natural Community)
- Coastal Sage Scrub (Sensitive Natural Community)
- Coastal Sage/Chaparral Mix (Sensitive Natural Community)
- Developed
- Disturbed
- Riparian Woodland (Sensitive Natural Community)



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Attachment F:
Special-Status Plant Survey Results
Map 7 of 12

Suncrest 230 Kilovolt Loop-In Project

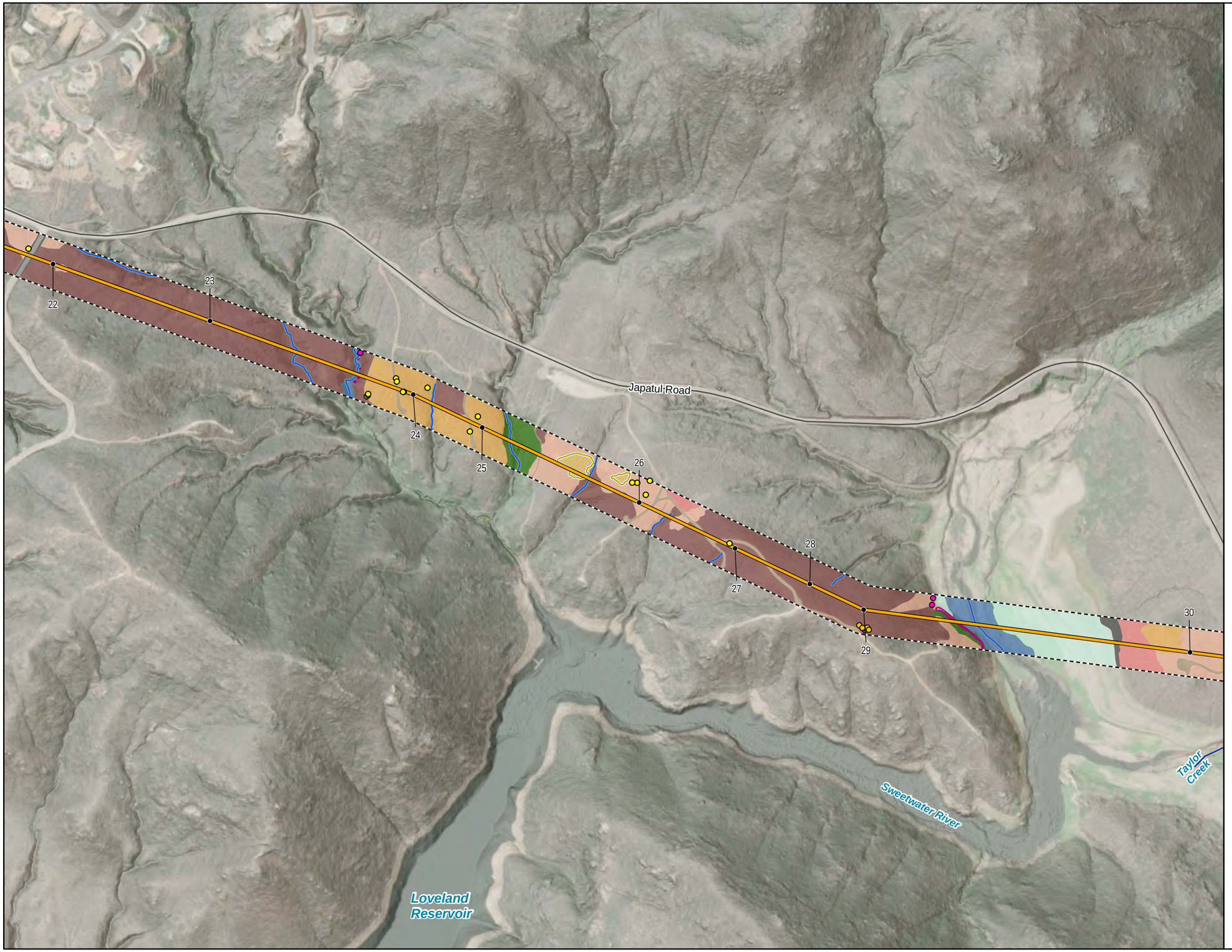
Road
Survey Area

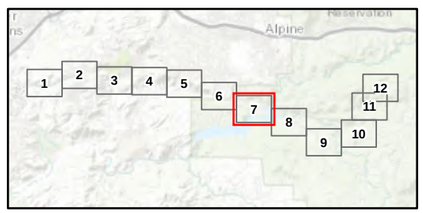
Project Components
Proposed Pole Location
Proposed 230 kV OH Segment

Aquatic Features
Mapped Feature

Special-Status Plant Observations
Delicate Clarkia (*Clarkia delicata*)
Rush Like Bristleweed (*Xanthisma junceum*)
San Diego County Viguiera (*Bahiopsis laciniata*)
Delicate Clarkia (*Clarkia delicata*)
San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers
Bare Ground
Buckwheat Scrub
Chaparral (Sensitive Natural Community)
Coast Live Oak Riparian Forest (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Coastal Sage/Chaparral Mix (Sensitive Natural Community)
Developed
Disturbed
Non-Vegetated
Riparian Woodland (Sensitive Natural Community)





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Attachment F:
Special-Status Plant Survey Results
Map 8 of 12

Suncrest 230 Kilovolt Loop-In Project

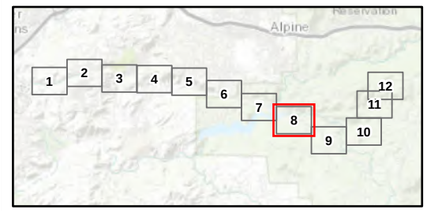
Road
Area Not Accessed
Survey Area

Project Components
Proposed Pole Location
Proposed 230 kV OH Segment

Aquatic Features
Mapped Feature

Special-Status Plant Observations
Engelmann Oak (*Quercus engelmannii*)
San Diego County Viguiera (*Bahiopsis laciniata*)
Delicate Clarkia (*Clarkia delicata*)
San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers
Bare Ground
Buckwheat Scrub
Chaparral (Sensitive Natural Community)
Coast Live Oak Riparian Forest (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Coastal Sage/Chaparral Mix (Sensitive Natural Community)
Developed
Disturbed
Landscaped/Ornamental
Non-Native Grassland
Non-Vegetated
Riparian Forest (Sensitive Natural Community)
Riparian Woodland (Sensitive Natural Community)



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Attachment F:
Special-Status Plant Survey Results
Map 9 of 12

Suncrest 230 Kilovolt Loop-In Project

Road
Area Not Accessed
Survey Area

Project Components

Proposed Pole Location
Proposed 230 kV OH Segment

Aquatic Features

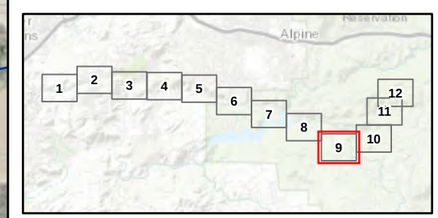
Mapped Feature

Special-Status Plant Observations

Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)
San Diego County Viguiera (*Bahiopsis laciniata*)
San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers

Bare Ground
Chaparral (Sensitive Natural Community)
Coastal Sage Scrub (Sensitive Natural Community)
Coastal Sage/Chaparral Mix (Sensitive Natural Community)
Developed
Disturbed
Landscaped/Ornamental
Riparian Forest (Sensitive Natural Community)



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Attachment F:
Special-Status Plant Survey Results
Map 10 of 12

Suncrest 230 Kilovolt Loop-In Project

- Area Not Accessed
- Survey Area

Project Components

- Proposed Pole Location
- Proposed 230 kV OH Segment

Aquatic Features

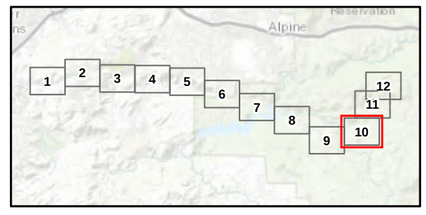
- Mapped Feature

Special-Status Plant Observations

- Palmer's Goldenbush (*Ericameria palmeri* var. *palmeri*)
- San Diego County Viguiera (*Bahiopsis laciniata*)
- San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers

- Chaparral (Sensitive Natural Community)
- Coastal Sage Scrub (Sensitive Natural Community)
- Riparian Woodland (Sensitive Natural Community)



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Attachment F:
Special-Status Plant Survey Results
Map 11 of 12

Suncrest 230 Kilovolt Loop-In Project

57-A
57-B
56
55
Rush Like Bristleweed
54
53

Survey Area

Project Components

- Proposed Pole Location
- Proposed 230 kV Eastern UG Segment
- Proposed 230 kV OH Segment
- Existing Suncrest Substation

Aquatic Features

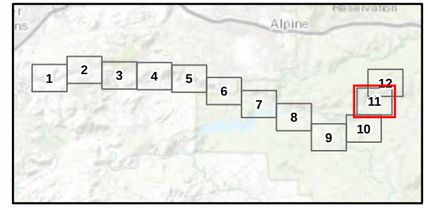
- Mapped Feature

Special-Status Plant Observations

- Engelmann Oak (*Quercus engelmannii*)
- Palmer's Goldenbush (*Ericameria palmeri* var. *palmeri*)
- Robinson's Pepper-grass (*Lepidium virginicum* var. *robinsonii*)
- Rush Like Bristleweed (*Xanthisma junceum*)
- San Diego County Viguiera (*Bahiopsis laciniata*)
- Engelmann Oak (*Quercus engelmannii*)
- Rush Like bristleweed (*Xanthisma junceum*)
- San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers

- Bare Ground
- Chaparral (Sensitive Natural Community)
- Coast Live Oak Riparian Forest (Sensitive Natural Community)
- Coastal Sage Scrub (Sensitive Natural Community)
- Coastal Sage/Chaparral Mix (Sensitive Natural Community)
- Developed
- Disturbed
- Open Engelmann Oak Woodland (Sensitive Natural Community)
- Riparian Woodland (Sensitive Natural Community)



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Attachment F:
Special-Status Plant Survey Results
Map 12 of 12

Suncrest 230 Kilovolt Loop-In Project

Survey Area

Project Components

Proposed Pole Location

Proposed 230 kV Eastern UG Segment

Proposed 230 kV OH Segment

Existing Suncrest Substation

Aquatic Features

Mapped Feature

Special-Status Plant Observations

Engelmann Oak (*Quercus engelmannii*)

Rush Like Bristleweed (*Xanthisma junceum*)

San Diego County Viguiera (*Bahiopsis laciniata*)

Engelmann Oak (*Quercus engelmannii*)

San Diego County Viguiera (*Bahiopsis laciniata*)

Vegetation Communities and Land Covers

Bare Ground

Chaparral (Sensitive Natural Community)

Coastal Sage Scrub (Sensitive Natural Community)

Coastal Sage/Chaparral Mix (Sensitive Natural Community)

Developed

Disturbed

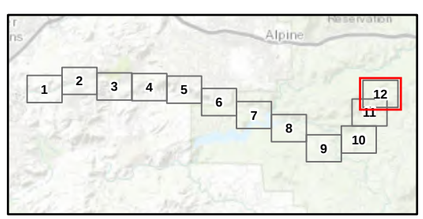
Open Engelmann Oak Woodland (Sensitive Natural Community)

Open Oak Woodland

57-A

57-B

56



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ATTACHMENT G: FLORA COMPENDIUM

ATTACHMENT G: FLORA COMPENDIUM

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Ferns and Fern Allies		
Dryopteridaceae	**Wood Fern Family**	
Dryopteris arguta	Coastal wood fern	-
Pteridaceae	**Brake Family**	
Pellaea mucronata var. *mucronata*	Bird's foot fern	-
Pentagramma glanduloviscida	San Diego silverback fern	-
Pentagramma triangularis	Goldback fern	-
Clubmosses, Firmosses, Spikemosses and Quillworts (Lycopods)		
Selaginellaceae	**Spike-moss Family**	
Selaginella bigelovii	Bigelow's spike moss	-
Angiosperms (Monocots)		
Agavaceae	**Agave Family**	
*Agave americana**	American century plant	-
Hesperoyucca whipplei	Chaparral yucca	-
Hooveria parviflora	Small-flowered soaproot	-
Yucca schidigera	Mojave yucca	-
Alliaceae	**Onion Family**	
Allium peninsulare var. *peninsulare*	Mexicali onion	-
Apocynaceae	**Dogbane Family**	
Funastrum cynanchoides	Fringed twinevine	-
Arecaceae	**Palm Family**	
*Washingtonia robusta**	Mexican fan palm	-
Cyperaceae	**Sedge Family**	
Carex spissa	San Diego sedge	-

[1] A "*" indicates the species is not native to California.
[2] Explanation of CRPRs:
-1B: Rare, threatened, or endangered in California and elsewhere
-4: Limited distribution
CRPR Threat Codes:
-0.2-Moderately threatened in California
-0.3-Not very threatened in California
A "-" indicates the species is not assigned a CRPR.

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Carex triquetra	Trigonous sedge	-
Cyperus eragrostis	Tall flatsedge	-
*Cyperus involucratus**	Umbrella plant	-
Schoenoplectus sp.	Bulrushes	-
Juncaceae	**Rush Family**	
Juncus xiphioides	Irisleaf rush	-
Iridaceae	**Iris Family**	
Sisyrinchium bellum	Western blue eyed grass	-
Liliaceae	**Lily Family**	
*Amaryllis belladonna**	Belladonna lily	-
Calochortus splendens	Splendid mariposa lily	-
Calochortus weedii var. *weedii*	Weed's mariposa lily	-
Lythraceae	**Loosestrife Family**	
Ammannia coccinea	Scarlet toothcup	-
Poaceae	**Grass Family**	
*Arundo donax**	Giant reed	-
*Avena barbata**	Slender wild oat	-
*Avena fatua**	Wild oat	-
*Bromus diandrus**	Ripgut brome	-
*Bromus madritensis**	Foxtail chess	-
*Bromus rubens**	Red brome	-
*Cynodon dactylon**	Bermuda grass	-
Crypsis schoenoides	Swamp grass	-
*Ehrharta longiflora**	Longflowered veldtgrass	-
Elymus condensatus	Giant wild rye	-
*Festuca myuros**	Rattail sixweeks grass	-
Gastridium phleoides	Nit grass	-
Lamarckia aurea	Goldentop grass	-
*Melinis repens**	Natal grass	-
Muhlenbergia microsperma	Littleseed muhly	-
Panicum capillare	Witchgrass	-
*Pennisetum setaceum**	Fountaingrass	-

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
*Poa annua**	Annual blue grass	-
*Polypogon monspeliensis**	Rabbitsfoot grass	-
*Schismus barbatus**	Common mediterranean grass	-
Stipa coronata	Crested needle grass	-
*Stipa miliacea**	Smilo grass	-
Themidaceae	**Brodiaea Family**	
Dipterostemon capitatus ssp. capitatus	Blue dicks	-
Typhaceae	**Cattail Family**	
Typha sp.	Cattails	-
Angiosperms (Eudicots and Magnoliids)		
Anacardiaceae	**Sumac Family**	
Malosma laurina	Laurel sumac	-
Rhus ovata	Sugar bush	-
*Schinus molle**	Peruvian pepper tree	-
Toxicodendron diversilobum	Poison oak	-
Apiaceae	**Carrot Family**	
Apiastrum angustifolium	Mock parsley	-
*Conium maculatum**	Poison hemlock	-
Sanicula arguta	Sharp toothed sanicle	-
Sanicula crassicaulis	Pacific sanicle	-
Tauschia arguta	Southern umbrellawort	-
Apocynaceae	**Dogwood Family**	
Vinca major	Greater periwinkle	-
Asphodelaceae	**Asphodel Family**	
Asphodelus fistulosus	Onionweed	
Asteraceae	**Sunflower Family**	
Acourtia microcephala	Sacapellote	-
Ambrosia psilostachya	Western ragweed	-
Artemisia californica	California sagebrush	-
Artemisia douglasiana	California mugwort	-
Artemisia dracunculus	Tarragon	-
Artemisia palmeri	San Diego sagewort	CRPR 4.2

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Baccharis salicifolia	Mule fat	-
Baccharis sarothroides	Desertbroom baccharis	-
Bahiopsis laciniata	San Diego County viguiera	CRPR 4.3
Bidens frondosa	Devil's beggartick	-
Brickellia californica	California brickellbush	-
*Carduus pycnocephalus**	Italian thistle	-
*Centaurea melitensis**	Tocalote	-
Chaenactis glabriuscula var. *glabriuscula*	Yellow pincushion	-
*Cirsium vulgare**	Bull thistle	-
Deinandra fasciculata	Clustered tarweed	
*Dimorphotheca sinuata**	Cape marigold	-
*Dittrichia graveolens**	Stinkwort	-
Eclipta prostrata	False daisy	-
Encelia californica	California brittlebush	-
Ericameria linearifolia	Narrowleaf goldenbush	-
*Erigeron bonariensis**	Flax-leaved horseweed	
Erigeron canadensis	Horseweed	-
Erigeron foliosus var. *foliosus*	Leafy fleabane	-
Eriophyllum confertiflorum var. *confertiflorum*	Golden yarrow	-
*Gazania linearis**	Treasure flower	-
*Glebionis coronaria**	Crown daisy	-
Gutierrezia sarothrae	Broom snakeweed	-
Hazardia squarrosa var. *grindelioides*	Saw toothed goldenbush	-
*Hedypnois rhagadioloides**	Crete weed	-
Helianthus gracilentus	Slender sunflower	-
Heterotheca grandiflora	Telegraph weed	-
*Hypochaeris glabra**	Smooth cat's ear	-
Isocoma menziesii var. menziesii	Menzies' goldenbush	-
*Lactuca serriola**	Prickly lettuce	-
Laennecia coulteri	Coulter's horseweed	-
*Logfia gallica**	Narrowleaf cottonrose	-
Osmadenia tenella	False rosinweed	-

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Porophyllum gracile	Odora	-
Pseudognaphalium biolettii	Two-color rabbit-tobacco	-
Pseudognaphalium californicum	California everlasting	-
*Pseudognaphalium luteoalbum**	Jersey cudweed	-
Pseudognaphalium stramineum	Cottonbatting plant	-
Rafinesquia californica	California chicory	-
*Senecio vulgaris**	Common groundsel	-
Solidago sp.	Golenrod	-
Sonchus asper ssp. *asper**	Prickly sow-thistle	-
*Sonchus oleraceus**	Common sow thistle	-
Stephanomeria diegensis	San Diego milk aster	-
Stephanomeria exigua ssp. *deanei*	Deane's wirelettuce	-
Stylocline gnaphaloides	Everlasting nest straw	-
Uropappus lindleyi	Silver puffs	-
Xanthisma junceum	Rush like bristleweed	CRPR 4.3
Xanthium sp.	Cockleburs	-
Aizoacaeae	**Fig-Marigold Family**	
*Carpobrotus edulis**	Freeway iceplant	-
Amaranthaceae	**Amaranth Family**	
*Amaranthus albus**	Pigweed amaranth	-
Boraginaceae	**Borage Family**	
Amsinckia menziesii	Small flowered fiddleneck	-
Cryptantha intermedia var. *intermedia*	Common cryptantha	-
Cryptantha muricata var. *jonesii*	Jones' cryptantha	-
Pectocarya linearis	Sagebrush combseed	-
Phacelia cicutaria	Caterpillar phacelia	-
Brassicaceae	**Mustard Family**	
*Brassica nigra**	Black mustard	-
Descurainia pinnata	Western tansymustard	-
*Hirschfeldia incana**	Short podded mustard	-
Lepidium nitidum	Shining peppergrass	-
Lepidium virginicum var. *robinsonii*	Robinson's pepper grass	CRPR 4.3

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Lobularia maritima	Sweet alyssum	-
Nasturtium officinale	Watercress	-
*Sisymbrium orientale**	Oriental mustard	-
Turritis glabra	Tower mustard	-
Cactaceae	**Cactus Family**	
Cylindropuntia sp.	Cholla	-
Opuntia phaeacantha	Brown spined prickly pear	-
Caprifoliaceae	**Honeysuckle Family**	
Lonicera subspicata var. *denudata*	Johnston's honeysuckle	-
Caryophyllaceae	**Pink Family**	
Polycarpon tetraphyllum ssp. *tetraphyllum**	Four-leaved allseed	-
*Silene gallica**	Common catchfly	-
Spergularia sp.	Sand-spurries	-
Chenopodiaceae	**Goosefoot Family**	
Chenopodium berlandieri	Berlandier's goosefoot	-
Chenopodium californicum	California goosefoot	-
*Chenopodium murale**	Nettle leaf goosefoot	-
*Salsola tragus**	Russian thistle	-
Cistaceae	**Rock-Rose Family**	
Crocanthemum aldersonii	Alderson's rush-rose	-
Convolvulaceae	**Morning-Glory Family**	
Calystegia macrostegia ssp. *tenuifolia*	San Diego morning-glory	-
Cuscuta sp.	Dodders	-
Crassulaceae	**Stonecrop Family**	
Crassula connata	Sand pygmyweed	-
*Crassula ovata**	Jade plant	-
Dudleya pulverulenta	Chalk dudleya	-
Cucurbitaceae	**Gourd Family**	
Marah macrocarpa	Chilicothe	-
Ericaceae	**Heath Family**	
Arctostaphylos glandulosa ssp. *glandulosa*	Eastwood' manzanita	-
Arctostaphylos glauca	Bigberry manzanita	-

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Xylococcus bicolor	Mission manzanita	-
Euphorbiaceae	**Spurge Family**	
Acalypha californica	California copperleaf	-
Croton setiger	Turkey-mullein	
*Euphorbia maculata**	Spotted spurge	-
Euphorbia polycarpa	Smallseed sandmat	-
*Ricinus communis**	Castor bean	-
Fabaceae	**Legume Family**	
Acmispon americanus var. *americanus*	American bird's foot trefoil	-
Acmispon argophyllus var. *argophyllus*	Southern California silver lotus	-
Acmispon glaber var. *brevialatus*	Deerweed	-
Acmispon micranthus	Small flowered lotus	-
Acmispon strigosus	Strigose lotus	-
Amorpha fruticosa	Western false indigo	-
Lathyrus vestitus var. *alefeldii*	San Diego sweet pea	-
Lupinus bicolor	Miniature lupine	-
Lupinus hirsutissimus	Stinging lupine	-
Lupinus truncatus	Collared annual lupine	-
*Medicago polymorpha**	Bur clover	-
*Melilotus albus**	White sweetclover	-
*Melilotus indicus**	Sourclover	-
Vicia ludoviciana ssp. *ludoviciana*	Louisiana vetch	-
*Vicia villosa**	Hairy vetch	-
Fagaceae	**Beech Family**	
Quercus agrifolia	Coast live oak	-
Quercus berberidifolia	Inland scrub oak	-
Quercus engelmannii	Engelmann oak	CRPR 4.2
Gentianaceae	**Gentian Family**	
Zeltnera venusta	California centaury	-
Geraniaceae	**Geranium Family**	
*Erodium botrys**	Broad leaf filaree	-
*Erodium cicutarium**	Redstem stork's bill	-

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Grossulariaceae	**Gooseberry Family**	
Ribes indecorum	White flowering currant	-
Hydrophyllaceae	**Waterleaf Family**	
Eucrypta chrysanthemifolia var. *chrysanthemifolia*	Common eucrypta	-
Phacelia parryi	Parry's phacelia	-
Lamiaceae	**Mint Family**	
*Lamium amplexicaule**	Henbit deadnettle	-
*Marrubium vulgare**	White horehound	-
Salvia apiana	White sage	-
Salvia mellifera	Black sage	-
Salvia munzii	Munz's sage	CRPR 2B.2
Salvia clevelandii	Cleveland sage	-
Salvia columbariae	Chia	-
Trichostema parishii	Parish's bluecurls	-
Malvaceae	**Mallow Family**	
Fremontodendron californicum	California flannelbush	-
Malacothamnus densiflorus	Many-flowered bushmallow	-
*Malva parviflora**	Cheeseweed mallow	-
Montiaceae	**Miner's Lettuce Family**	
Calandrinia menziesii	Red maids	-
Calyptridium monandrum	Common pussypaws	-
Claytonia perfoliata	Miner's lettuce	-
Myrsinaceae	**Myrsine Family**	
*Lysimachia arvensis**	Scarlet pimpernel	-
Myrtaceae	**Myrtle Family**	
Eucalyptus spp.*	Gum trees	-
Nyctaginaceae	**Four O'clock Family**	
Bougainvillea spp.*	Bougainvillea	-
Mirabilis laevis var. *crassifolia*	California four o'clock	-
Oleaceae	**Olive Family**	
*Olea europaea**	Olive	-

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Onagraceae	**Evening-Primrose Family**	
Camissoniopsis hirtella	Hairy sun cup	-
Camissonia strigulosa	Sandysoil suncup	-
Clarkia delicata	Delicate clarkia	CRPR 1B.2
Clarkia epilobioides	Canyon clarkia	-
Clarkia purpurea ssp. *quadrivulnera*	Winecup clarkia	-
Clarkia similis	Ramona clarkia	-
Epilobium brachycarpum	Annual fireweed	-
Epilobium canum ssp. *canum*	California fuschia	-
Epilobium ciliatum ssp. *ciliatum*	Fringed willowherb	-
Eulobus californicus	California primrose	-
Oenothera elata	Evening primrose	-
Orobanchaceae	**Broomrape Family**	
Aphyllon tuberosum	Chaparral broomrape	-
Cordylanthus rigidus ssp. *setiger*	Bristly bird's beak	-
Paeoniaceae	**Peony Family**	
Paeonia californica	California peony	-
Papaveraceae	**Poppy Family**	
Eschscholzia californica	California poppy	-
Eschscholzia parishii[3]	Parish's poppy	-
*Fumaria capreolata**	White ramping fumitory	-
Pinaceae	**Pine Family**	
Pinus coulteri	Coulter pine	-
*Pinus halepensis**	Aleppo pine	-
Phrymaceae	**Lopseed Family**	
Diplacus australis	Southern monkeyflower	-
Erythranthe cardinalis	Cardinal monkey flower	-
Erythranthe guttata	Seep monkeyflower	-

[3] A single individual was observed near overhead electrical equipment. This species was likely introduced as a result of operations and maintenance activity.

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Plantaginaceae	**Plantain Family**	
Antirrhinum nuttallianum	Nuttall's snapdragon	-
Collinsia concolor	Southern Chinese houses	-
Keckiella antirrhinoides	Chaparral beard tongue	-
Keckiella cordifolia	Heartleaf keckiella	-
Mimetanthe pilosa	Snouted monkey flower	-
Nuttallanthus texanus	Blue toadflax	-
Penstemon spectabilis var. *spectabilis*	Showy penstemon	-
Plantago erecta	Dotseed plantain	-
*Plantago major**	Common plantain	-
*Veronica anagallis-aquatica**	Water speedwell	-
Platanaceae	**Sycamore Family**	
Platanus racemosa	California sycamore	-
Polemoniaceae	**Phlox Family**	
Eriastrum filifolium	Thread-leaved woolly-star	-
Gilia angelensis	Chaparral gilia	-
Linanthus dianthiflorus	Fringed linanthus	-
Navarretia atractyloides	Holly leaf navarretia	-
Navarretia hamata	Hooked pincushionplant	-
Polygonaceae	**Buckwheat Family**	
Chorizanthe procumbens	Prostrate spineflower	-
*Emex spinosa**	Devil's thorn	-
Eriogonum fasciculatum	California buckwheat	-
Eriogonum gracile	Slender buckwheat	-
Persicaria lapathifolia	Common knotweed	-
Pterostegia drymarioides	Fairy mist	-
Rumex californicus	California dock	-
*Rumex conglomeratus**	Clustered dock	-
*Rumex crispus**	Curly dock	-
Rumex dentatus"	Toothed dock	-
Ranunculaceae	**Buttercup Family**	
Clematis pauciflora	Few flowered clematis	-

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Delphinium parryi ssp. *parryi*	Parry's larkspur	-
Platystemon californicus	Cream cups	-
Thalictrum fendleri var. *polycarpum*	Meadow rue	-
Primulacaeae	**Primrose Family**	
Primula clevelandii var. *clevelandii*	Cleveland's shooting star	-
Rhamnaceae	**Buckthorn Family**	
Ceanothus leucodermis	Chaparral whitethorn	-
Ceanothus perplexans	Cupped leaf ceanothus	-
Ceanothus tomentosus	Woolly leaf ceanothus	-
Rhamnus crocea	Spiny redberry	-
Rhamnus ilicifolia	Hollyleaf redberry	-
Rosaceae	**Rose Family**	
Adenostoma fasciculatum var. *fasciculatum*	Chamise	-
Cercocarpus minutiflorus	Smooth mountain mahogany	-
Drymocallis glandulosa	Sticky cinquefoil	-
Heteromeles arbutifolia	Toyon	-
Rosa californica	California wild rose	-
Rubus leucodermis	White bark raspberry	-
Rubiaceae	**Madder Family**	
Galium angustifolium ssp. *angustifolium*	Narrowleaf bedstraw	-
Galium nuttallii ssp. *nuttallii*	Climbing bedstraw	-
*Galium parisiense**	Wall bedstraw	-
Galium porrigens	Climbing bedstraw	-
Salicaceae	**Willow Family**	
Salix gooddingii	Goodding's black willow	-
Salix laevigata	Red willow	-
Salix lasiolepis	Arroyo willow	-
Saxifragaceae	**Saxifrage Family**	
Lithophragma affine	Common woodland star	-
Scrophulariaceae	**Figwort Family**	
Scrophularia californica	California bee plant	-

Scientific Name[1]	Common Name	California Rare Plant Rank (CRPR)[2]
Solanaceae	**Nightshade Family**	
Datura wrightii	Jimsonweed	-
*Nicotiana glauca**	Tree tobacco	-
Physalis crassifolia	Thick leaved ground cherry	-
Solanum americanum	American black nightshade	-
Solanum douglasii	Douglas' nightshade	-
Solanum parishii	Parish's nightshade	-
Tamaricaceae	**Tamarisk Family**	
*Tamarix ramosissima**	Tamarisk	-
Ulmaceae	**Elm Family**	
*Ulmus parvifolia**	Siberian elm	-
Urticaceae	**Nettle Family**	
*Urtica urens**	Annual stinging nettle	-
Verbenaceae	**Vervain Family**	
*Lantana montevidensis**	Trailing lantana	-
Viburnaceae	**Muskroot Family**	
Sambucus mexicana	Blue elderberry	-
Violacaea	**Violet Family**	
Viola pedunculata	California golden violet	-
Vitaceae	**Grape Family**	
Vitis girdiana	Desert wild grape	-

ATTACHMENT 3.6-A: CULTURAL RESOURCES TECHNICAL REPORT

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CULTURAL RESOURCES TECHNICAL REPORT
for the
SUNCREST 230 KV LOOP-IN PROJECT

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EXECUTIVE SUMMARY

The Suncrest 230 Kilovolt (kV) Loop-In Project (Proposed Project), proposed by San Diego Gas & Electric Company (SDG&E), is a major transmission infrastructure project that is part of an initiative designed to address system reliability and capacity needs identified by the California Independent System Operator (CAISO).

Proposed Project Scope

The project includes construction of approximately 14.5 mi. of double-circuit 230 kV transmission line (overhead and underground) to loop-in SDG&E's existing Tie Line (TL) 23021 to the Suncrest Substation, upgrades to the substation, and establishment of temporary staging yards and access roads. Construction is anticipated to begin in 2027, with energization required by 2032.

Regulatory Compliance

The Proposed Project is subject to comprehensive review under the California Environmental Quality Act (CEQA), the National Environmental Policy Act (NEPA), and Section 106 of the National Historic Preservation Act (NHPA). It spans multiple jurisdictions in the County of San Diego, including the Cleveland National Forest, Sweetwater Authority, Endangered Habitats Conservancy, and California Department of Fish and Wildlife, as well as private land.

Cultural Resources Survey

ASM Affiliates (ASM) conducted intensive archaeological and architectural pedestrian surveys covering 482 of 627 acres within the physical Area of Potential Effects (APE) and physical Area of Potential Impact (API), including historic properties (both archaeological and Built Environment). Within the Visual, Auditory and Atmospheric (VAA) portions of the APE/API, a desktop analysis and records search were completed. Twenty-three percent of the physical APE/API was inaccessible during the survey due to steep slopes, obscurant vegetation, and private property access restrictions. Archaeological surveys were conducted with weekly rotations of Kumeyaay Native American monitors from interested culturally affiliated Tribes identified by the Native American Heritage Commission (see Appendix A) from the La Posta Band of Diegueño Mission Indians, Manzanita Band of the Kumeyaay Nation, and Viejas Band of Kumeyaay Indians.

Key Findings

ASM's investigation identified a total of 37 cultural resources that include archaeological resources and the historic built environment: 23 resources in the physical portion of the APE/API and 14 in the VAA portion of the APE/API. Cultural resources in the physical portion of the APE/API include 11 archaeological sites, five isolated artifacts, and seven historic built environment resources. Cultural resources in the VAA portion of the APE/API include 14 historic built environment resources. Six of the archaeological sites were identified from the records search while five sites and the five isolated artifacts were identified during the archaeological survey. Six of the 11 archaeological sites and two isolates are precontact-era, four sites and three isolates are historic-era, and one archaeological site contains multiple components. No Tribal Cultural Resources or Traditional Cultural Properties were identified during archival and literature review or survey within the APE/API.

The 11 archaeological resources have not been formally evaluated because evaluations will likely require subsurface testing, further archival research, additional Tribal consultation by the lead agencies, or analysis of site constituents to determine their significance. Thus, all 11 archaeological sites have been treated as being eligible for listing on the National Register of Historic Places (NRHP) and the California Register of Historical Resources (CRHR) for the purpose of analyzing the potential impacts of the Proposed Project. Recommendations to reduce the level of potential effects to less than significant or less

than adverse are provided. All five isolated finds are recommended as not eligible and should not be considered as historical resources under CEQA or historic properties under NHPA. Four architectural resources were previously determined eligible for CRHR, three are recommended to be treated as eligible for the Proposed Project, and 14 are recommended not eligible for the NRHP/CRHR.

Within the APE/API/VAA, six proposed SDG&E structure locations or associated workspaces are located within known archaeological sites (CA-SDI-12106/12107/37-012106/012107, CA-SDI-12108/37-012108, CA-SDI-12109/37-012109, CA-SDI-12110/37-012110, SX-SCR-LT-H3, SX-SCR-S-5H) and four poles are located within 100 feet of archaeological sites or isolates (CA-SDI-5614/37-005614, CA-SDI-31212/37-031212, SX-SCR-LT-H3). One resource (SX-SCR-S-13) was recorded within the survey buffer area around the underground alignment but is outside of the roadbed and will be avoided by the Proposed Project. The recommendations presented in this report would avoid or reduce the potential for significant adverse effects to these cultural resources. To date, no structure locations or associated workspaces are located within Tribal Cultural Resources or Traditional Cultural Properties; however, additional government-to-government consultation is required to assess the presence or absence of Tribal Cultural Resources or Traditional Cultural Properties as none have been identified to date within the Proposed Project APE/API.

Recommendations for Proposed Project elements near and within sensitive archaeological sites and historic built environment resources were developed to assist SDG&E in the development of their Proposed Project design. During the design review stages, project redesign is recommended to avoid potential impacts or effects. If potential impacts or effects cannot be avoided, further evaluation is recommended with micrositing of proposed project elements to reduce and minimize impacts or effects.

Conclusion

The Suncrest 230 kV Loop-In Project has been analyzed for potential impacts (effects) to historical resources and historic properties at the preliminary design phase. It is recommended that 11 archaeological resources and two built environment resources of the 23 cultural resources in the physical portion of the APE/API be evaluated for individual eligibility or assumed to be eligible and avoided. The additional 10 resources within the physical portion of the APE/API are recommended as not eligible for NRHP/CRHR listing. Within the VAA, five of the 14 resources are eligible or potentially eligible for NRHP/CRHR. However, no adverse effects or significant impacts are anticipated to these resources from the project and no further evaluations are recommended at this time. The remaining nine resources within the VAA are recommended as not eligible. With the implementation of the recommendations, the Proposed Project impacts are expected to be reduced to less-than-significant and to less-than-adverse levels. Continued coordination with regulatory agencies, Tribal representatives, and stakeholders is essential to maintain compliance and protection of cultural and Tribal resources throughout the life of the Proposed Project. If impact avoidance is not feasible, development of a Cultural Resource Management Plan or similar document to guide resource evaluations is recommended.

TABLE OF CONTENTS

Page

EXECUTIVE SUMMARY i
1. INTRODUCTION: PROJECT DESCRIPTION, LOCATION, AND SURVEY AREA 1
1.1. PROPOSED PROJECT DESCRIPTION AND LOCATION 2
1.2. DESCRIPTION OF THE APE/API SURVEY AREA 4
1.3. PROJECT PERSONNEL 5
2. REGULATORY BACKGROUND AND CONTEXT 13
2.1. CALIFORNIA ENVIRONMENTAL QUALITY ACT 13
2.2. NATIONAL ENVIRONMENTAL POLICY ACT 15
2.3. REGION 5 PROGRAMMATIC AGREEMENT 15
2.4. FOREST SERVICE HERITAGE PROGRAM MANUAL 16
2.5. NATIONAL HISTORIC PRESERVATION ACT 16
2.6. ARCHAEOLOGICAL RESOURCES PROTECTION ACT 19
2.7. NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT 19
2.8. SAN DIEGO COUNTY RESOURCE PROTECTION ORDINANCE 19
2.9. TRADITIONAL CULTURAL PROPERTIES/TRIBAL CULTURAL RESOURCES 20
2.10. DISCOVERY OF HUMAN REMAINS 21
3. BACKGROUND: ENVIRONMENTAL AND CULTURAL SETTING 24
3.1. ENVIRONMENTAL SETTING 24
3.2. ARCHAEOLOGICAL SETTING 24
3.2.1 Paleoindian Period 24
3.2.2 Archaic Period 25
3.2.3 Late Prehistoric Period 27
3.3. ETHNOHISTORIC SETTING 28
3.3.1 Native American Sites 30
3.4. EURO-AMERICAN HISTORIC SETTING 31
3.4.1 Historic Overview of Alpine 32
3.4.2 Historic Overview of El Cajon 33
3.4.3 Historic Overview of Crest 34
4. METHODOLOGY 35
4.1. CALIFORNIA HISTORICAL RESOURCES INFORMATION SYSTEM SEARCH 35
4.2. TRIBAL OUTREACH 37
4.3. ARCHIVAL RESEARCH 38

4.4. ARCHAEOLOGICAL SURVEY 38
4.5. BUILT ENVIRONMENT SURVEY 41
5. FINDINGS 43
5.1. PREVIOUSLY RECORDED ARCHAEOLGICAL RESOURCES 43
5.2. IDENTIFIED / UPDATED ARCHAEOLOGICAL RESOURCES 44
5.3 IDENTIFIED / UPDATED ARCHAEOLOGICAL RESOURCE DESCRIPTIONS 45
5.4. BUILT ENVIRONMENT RESOURCES 47
5.4.1 Built Environment Resources Identified in the VAA 47
5.4.2 Surveyed Resources 48
5.5. SIGNIFICANCE EVALUATIONS 54
5.5.1 Archaeological Evaluations 54
5.5.2 Built Environment Resource Evaluations 54
5.5.3 Summary 64
6. ASSESSMENT OF EFFECTS 69
6.1. CRITERIA OF ADVERSE EFFECT 69
6.2. ASSESSING VISUAL EFFECTS 70
6.2.1 Definitions 70
6.2.2 Adverse Visual and Atmospheric Effects 71
6.3. FINDING OF EFFECT 72
7. MANAGEMENT CONSIDERATIONS AND RECOMMENDATIONS 75
7.1. DESIGN CONSIDERATIONS and RECOMMENDATIONS 75
7.1.1 PROVIDE DESIGN GUIDANCE 75
7.1.2 EVALUATE HISTORIC RESOURCES 76
7.1.3 CONDUCT SUPPLEMENTAL CULTURAL RESOURCES SURVEYS 76
7.1.4 ARCHAEOLOGICAL SITE TESTING 77
7.2. CONSTRUCTION CONSIDERATIONS AND RECOMMENDATIONS 77
7.2.1 Implement Archaeological and Native American Monitoring 77
7.2.1.1 Buried-Site Sensitivity 77
7.2.2 Establish Environmentally Sensitive Areas (ESAs) 80
7.2.3 Tribal Cultural Resources 80
7.3. CONCLUSION 80
REFERENCES CITED 83
APPENDICES 95
APPENDIX A 97
Native American Heritage Commission & Tribal Correspondence 97

APPENDIX B 99
Confidential Maps 99
APPENDIX C 101
Potential for Buried Deposits Maps 101
Survey Coverage Maps 101
Vegetation Type Maps 101
Ground Visibility Maps 101
APPENDIX D 103
SCIC 1-Mile Records Search Resources and Reports 103
APPENDIX E 105
Confidential DPR Forms 105
APPENDIX F 107
Non Confidential Built Environment DPR Forms 107
APPENDIX G 109
Built Environment Photos 109
APPENDIX H 111
Built Environment Maps 111
APPENDIX I 113
Recommendations Table 113

LIST OF TABLES

Page

Table 1. Previous Archaeological Surveys within APE/API of Proposed Transmission Line 40
Table 2. Archaeological Sites Identified within APE/API of Proposed Transmission Line 45
Table 3. Isolates Identified within APE/API of Proposed Transmission Line 45
Table 4. Summary of Recommendations of NRHP/CRHR Eligibility for Cultural Resources in the APE/API 65

LIST OF FIGURES

Page

Figure 1. Proposed Project Location. 2
Figure 2. Overview Location Map showing proposed 230 kV transmission line and staging areas. 6
Figure 3-1. Proposed Project Location Maps, USGS 7.5' Topo, Scale 1:24k. 7
Figure 3-2. Proposed Project Location Maps, USGS 7.5' Topo, Scale 1:24k. 8
Figure 3-3. Proposed Project Location Maps, USGS 7.5' Topo, Scale 1:24k. 9
Figure 3-4. Proposed Project Location Maps, USGS 7.5' Topo, Scale 1:24k. 10
Figure 3-5. Proposed Project Location Maps, USGS 7.5' Topo, Scale 1:24k. 11
Figure 3-6. Proposed Project Location Maps, USGS 7.5' Topo, Scale 1:24k. 12

1. INTRODUCTION: PROJECT DESCRIPTION, LOCATION, AND SURVEY AREA

San Diego Gas & Electric Company (SDG&E) proposes to construct the Suncrest 230 Kilovolt (kV) Loop-In Project (Proposed Project) to address reliability constraints identified by the California Independent System Operator (CAISO). In particular, these constraints include operational challenges and thermal overloads on SDG&E's existing Transmission Line (TL) 23054 and TL23055 from SDG&E's existing Suncrest Substation to the existing Sycamore Canyon Substation, as well as the existing transformers at the existing Suncrest Substation. The Proposed Project area is shown in Figure 1.

For the purposes of National Historic Preservation Act (NHPA) Section 106 review, archaeological records searches, desktop reviews, or surveys necessary to identify and evaluate historic properties were carried out within the accessible boundaries of the Area of Potential Effects (APE). The APE is defined in 36 Code of Federal Regulations (CFR) 800.16(d) as the geographic area within which an undertaking may cause changes, directly or indirectly, to the character or use of historic properties. Similarly, under the California Environmental Quality Act (CEQA), the Area of Potential Impact (API) refers to the geographic area in which a project may directly or indirectly cause environmental impacts to historical resources, as outlined in CEQA Guidelines § 15064.5. The APE and API are determined by the lead federal and California state agency, respectively.

This Cultural Resources Technical Report (CRTR) considers both potential physical and visual, auditory, and atmospheric (VAA) effects to historic properties and historical resources within the APE/API of the Proposed Project in support of the Applicant-Prepared Draft Environmental Impact Report (DEIR). To categorize potential effects within the APE/API, a physical APE/API and a VAA portion of the APE/API were established. The proposed project area/ physical portion of the APE/API study area included a 150-foot (ft.) (or 46 meter [m])-wide area on either side of the proposed alignment centerline, the footprint of lay down/staging areas, and the footprints of all workspaces to account for potential physical impacts to cultural resources within the project area. For the VAA portion of the APE/API, a 1-mile (mi.) buffer was applied around the proposed physical impact areas to evaluate auditory effects on the transmission line, while a single-parcel buffer was used around the temporary staging yards. Detailed discussion of the APE/API is included below in Section 1.2. The California Public Utilities Commission (CPUC) and the Cleveland National Forest (CNF) both have permitting and regulatory authority over the Proposed Project; however, CPUC's regulatory responsibilities for evaluating potential impacts or effects to cultural resources or historic properties extend to the entirety of the API. The CNF decision and definition of the undertaking and APE is at the discretion of the Forest supervisor. The Proposed Project area is depicted in Figure 1, and the Proposed Project area and APE/API are depicted in Figures 2 and 3 and in Appendices B, C, and H.

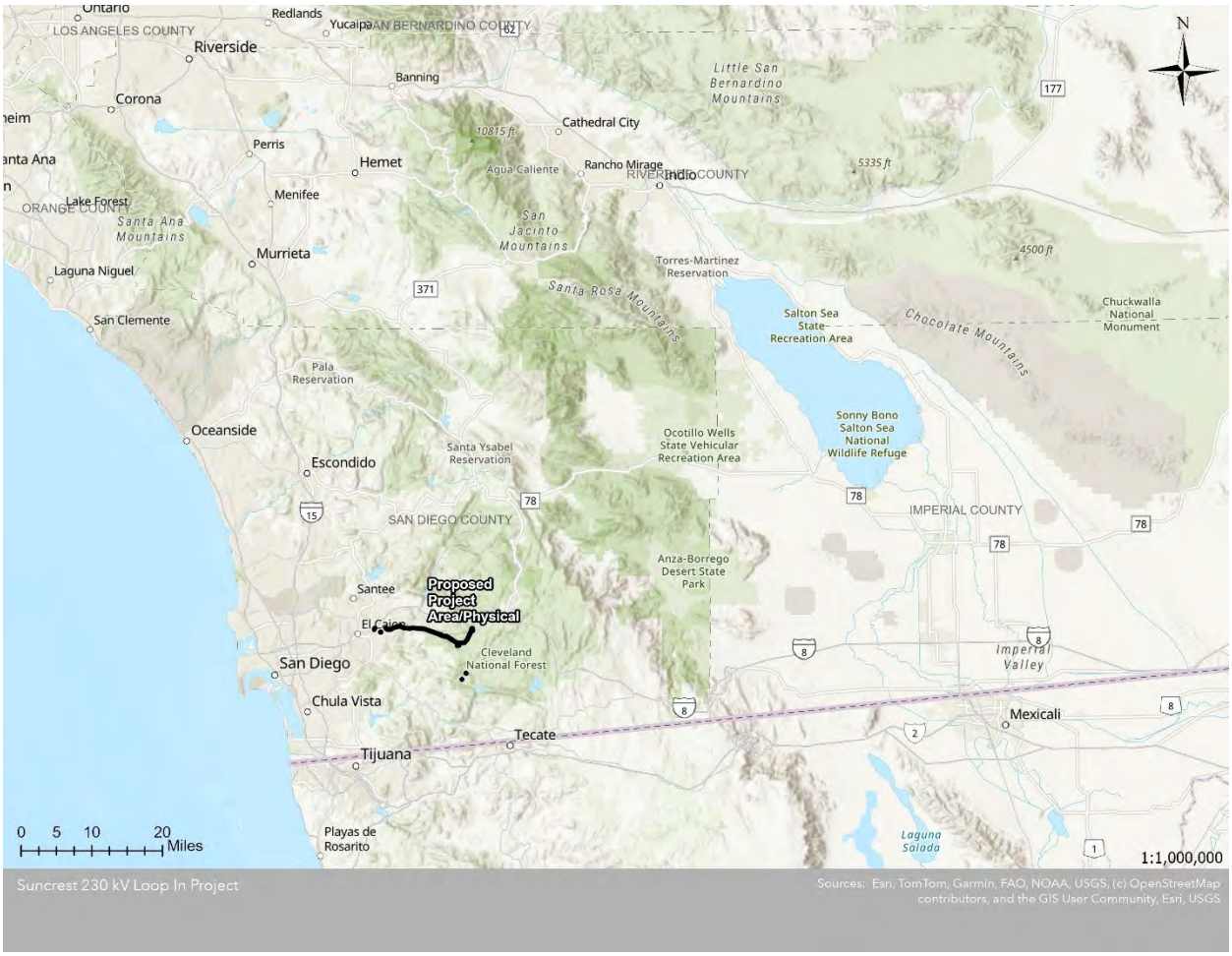

Figure 1. Proposed Project Location.

1.1. PROPOSED PROJECT DESCRIPTION AND LOCATION

On May 14, 2024, ASM Affiliates (ASM) was subcontracted by Insignia Environmental (Insignia) to complete a cultural resources background investigation, an intensive archaeological survey, an historic built environment assessment, and a VAA effect study for the Proposed Project. The Proposed Project is subject to CEQA, under CPUC jurisdiction, and qualifies as an undertaking subject to review for potential impacts to historic properties pursuant to Section 106 of the NHPA.

ASM conducted this work under the special use authorization for an Archaeological Resources Protection Act (Antiquities Act and Organic Act) permit with the USDA Forest Service (USDA, United States Forest Service, U.S. Forest Service, USFS, Forest Service), CNF CNF200162, issued on December 21, 2021, amended December 30, 2024. This report complies with the stipulations in the CNF Permit for Archaeological Investigations and meets those stipulations. A portion of the Proposed Project is located on the CNF, on USDA Forest Service System lands within the Descanso Ranger District in Region 5. The Forest Service Report number assigned for this Proposed Project is to be determined.

The Proposed Project will cross unincorporated communities within San Diego County, California, including private parcels and open space easements. In addition, the Proposed Project will traverse land

managed and/or owned by the County of San Diego, USFS (i.e., CNF), Sweetwater Authority, Endangered Habitats Conservancy, and California Department of Fish and Wildlife. One proposed staging yard will be located in the City of El Cajon.

The Proposed Project route begins on Vista De Montemar in unincorporated San Diego County in an underground configuration. The route continues southeast on Vista De Montemar until reaching La Cresta Road. From there, the route turns east onto La Cresta Road and continues in an easterly direction until reaching Mountain View Road. The route continues in a northeasterly direction on Mountain View Road until turning south onto Al Bahr Road. The route continues on Al Bahr Road until turning east onto Canyon Rim Drive. Following Canyon Rim Drive, the route continues southeast until reaching cross-country terrain and switches to an overhead configuration, first entering onto land owned by Sweetwater Authority and then entering the CNF. The route continues through the CNF in a northeasterly direction, switches to an underground configuration just southwest of the existing Suncrest Substation, and then loops into and terminates at the existing Suncrest Substation.

Proposed Project Components

The Proposed Project includes the following main components:

- Construction of a proposed approximately 14.5-mi.-long, double-circuit 230 kV transmission line segment consisting of overhead and underground configurations to loop-in SDG&E's existing TL23021 to the Suncrest Substation.
- Modifications to the existing Suncrest Substation, which include the following:
    - Installation of a 500/230 kV transformer and associated tertiary reactors, circuit breakers, disconnects, and communication equipment; and
    - Construction of a 230 kV bay to accommodate the loop-in of TL23021 to the existing Suncrest Substation.

Proposed Project Construction

The overhead portions of the transmission line will first require permanent access roads, permanent walking paths, or permanent helicopter takeoff and landing zones to be established at each structure location where current access does not exist. In addition, each structure location will require a temporary work area to facilitate construction, as well as a permanent work area to accommodate the permanent footprint of the structure. This process will involve vegetation clearing and blading as required to create a flat area to facilitate construction. For the overhead structures, one or more foundations for each structure will be constructed prior to the erection of tower structures or monopoles. Lastly, the conductors and optical ground wires will be strung along the transmission line alignment. Following construction, a portion of land surrounding the proposed structures and some access roads will remain clear of vegetation to facilitate future operations and maintenance (O&M).

The underground portion of the transmission line will include the installation of duct banks and utility vaults using open-cut trenching techniques, unless alternate methods (e.g., horizontal directional drilling) are required to cross existing facilities or sensitive resources. After installation of the duct banks, cable segments will be pulled into the duct banks, spliced at each of the vaults along the route as required, and terminated at the transition where the lines convert to overhead. At each end of the proposed 230 kV underground segment, the cables will rise out of the ground and terminate at cable poles to connect to the overhead portions of the transmission line. Following the completion of construction activities, the open trenches will subsequently be backfilled, paved, or returned to pre-existing grade and contours, as practicable. Restoration activities will be conducted in accordance with negotiated agreements with landowners and in compliance with applicable permits.

Modifications to the existing Suncrest Substation will be conducted within the existing substation property and will not require expansion. Following the completion of the modifications at the substation, testing and commissioning will be conducted before energization.

The Proposed Project will also require the establishment of temporary staging/fly yards, temporary stringing sites, temporary guard structures, and temporary construction work areas for use during construction. All temporarily impacted areas will be restored to near pre-construction grade and contours as practicable after work is complete. Restoration activities will be conducted in accordance with negotiated agreements with landowners and in compliance with applicable permits.

Construction Schedule

Construction is anticipated to occur in two phases: construction of the proposed 230 kV transmission line and modifications to the existing Suncrest Substation. Construction of the proposed 230 kV transmission line is anticipated to begin in 2027. Modifications to the existing Suncrest Substation are anticipated to begin in 2028. Construction is anticipated to occur year-round or as authorized by permits and authorizations. Per the CAISO technical specifications, the Proposed Project is required to be energized by 2032.

Operations and Maintenance

SDG&E will conduct ongoing O&M of all Proposed Project components. These planned activities will involve regular inspections of facilities, repairs on an as-needed basis, and the maintenance of transmission line rights-of-way. O&M will be incorporated into SDG&E's existing programs with existing equipment, experienced staff, and contractors. SDG&E's local maintenance/technical staff and outside resources will respond to maintenance issues and emergency situations.

1.2. DESCRIPTION OF THE APE/API SURVEY AREA

As defined under the implementing regulations for Section 106 of the NHPA, the APE/API is a geographic area or areas within which impacts from an undertaking may directly or indirectly affect cultural resources that are listed in or eligible for listing in the NRHP/CRHR as defined under 36 CFR 800.5(a)(1) (Criteria of Adverse Effect) and CEQA Guidelines § 15064.5(b) (Substantial Adverse Change). Such resources are also known as historic properties or historical resources. The APE/API considers potential physical and VAA effects to historical resources or historic properties from the construction and operation and maintenance of the Proposed Project. The vertical extent of the APE/API is currently unknown. The physical portion APE/API was established in the project area where direct impacts could occur to cultural resources for project activities. It includes a 150-ft.- (46-m])-wide area on either side of the centerline of the proposed transmission line and the footprint of the proposed activity for lay down/staging areas and of all workspaces (Figure 2 and Figure 3.1-3.6). Workspaces include areas that will be used to construct drainage swales, guard structures, helicopter landing pads, footpaths, stringing sites, underground trenches, and vaults.

The VAA portion of the APE/API was established to assess potential visual, auditory, and atmospheric impacts from the Proposed Project. The horizontal extent of the VAA includes a 1-mi. buffer around the Proposed Project alignment and workspaces as well as a one-parcel buffer around the temporary staging yards. Most auditory impact analysis focuses on human perception of noise and its effects on wildlife, cultural landscapes, and historic structures; vibration impacts are physical forces that can damage artifacts, features, and structures regardless of whether they produce perceptible sound. While high-

decibel noise sources (e.g., pile driving) often correlate with vibration, lower-frequency vibrations can still cause damage even if they are not audibly disruptive. A 30-m area around the proposed structure locations and a 10-m area around access routes were deemed sufficient for identifying any potential auditory effects (i.e., sound/vibration) as no extreme activities such as blasting or oversized equipment are proposed that would create impactful noise levels beyond that range. The Bureau of Land Management's (BLM) Visual Resource Management (VRM) system, as described in Manual H 8410-1, Visual Resource Inventory, provides a foundation for defining distance zones based on relative visibility from travel routes or observation points. These definitions were used as a framework for contrast analysis in the Proposed Project's VAA review. Given the Proposed Project's undulating topography, a 1-mi. visual and atmospheric buffer for the transmission line and a one-parcel buffer for the temporary staging areas were considered appropriate.

The archaeological pedestrian survey was performed for the physical portion of the APE/API between April 29 and October 3, 2025. Specifically, fieldwork was conducted April 29 through May 2, May 6, May 12, May 14 through 16, May 22, May 27, May 28, June 20, and October 3, 2025, under the direction of ASM Senior Archaeologist Terrence Luévano, MA, RPA, with support from ASM Director Rachel Ruston. Native American monitors from the La Posta Band of Diegueño Mission Indians (La Posta Band), Manzanita Band of the Kumeyaay Nation (Manzanita Band), and Viejas Band of Kumeyaay Indians (Viejas Band) participated in the surveys with ASM on a weekly rotation. A historic built environment survey was conducted for the physical portion APE/API and VAA by ASM's Architectural History team on July 23, 2025, under the supervision of Shannon Davis, MA, RPH, ASM's Director of Architectural History. Prior to the historic built environment resource survey, historic built environment and archaeological resources within the VAA were assessed through a desktop analysis and review. No archaeological resources are currently designated as historic properties or historical resources within the VAA. For tracking purposes, the work was assigned ASM Project Number 37000.40 and SDG&E Environmental Tracking System (eTS) 7442701.

1.3. PROJECT PERSONNEL

Andrew Miller, MA, Program Manager and Principal Archaeologist, and Rachel Ruston, Director, served as project managers. Terrence Luévano, MA, served as the Principal Investigator directing the archaeological field surveys. Shannon Davis, MA, RPH, Director of Architectural History and History, directed the Architectural History team and assisted with project management; ASM Architectural Historians Emily Steele, MA, and Madeline Gonzalez, MA, supported Ms. Davis as project historians, conducting historic research, survey, and evaluation for the built environment resources. ASM GIS Specialists Erica Esquer, Nick Doose, and Cassandra Ferriola provided invaluable GIS support for the Proposed Project. All technical staff meet the Secretary of the Interior's (SOI's) *Professional Qualifications Standards for Archaeology* (36 CFR 61).

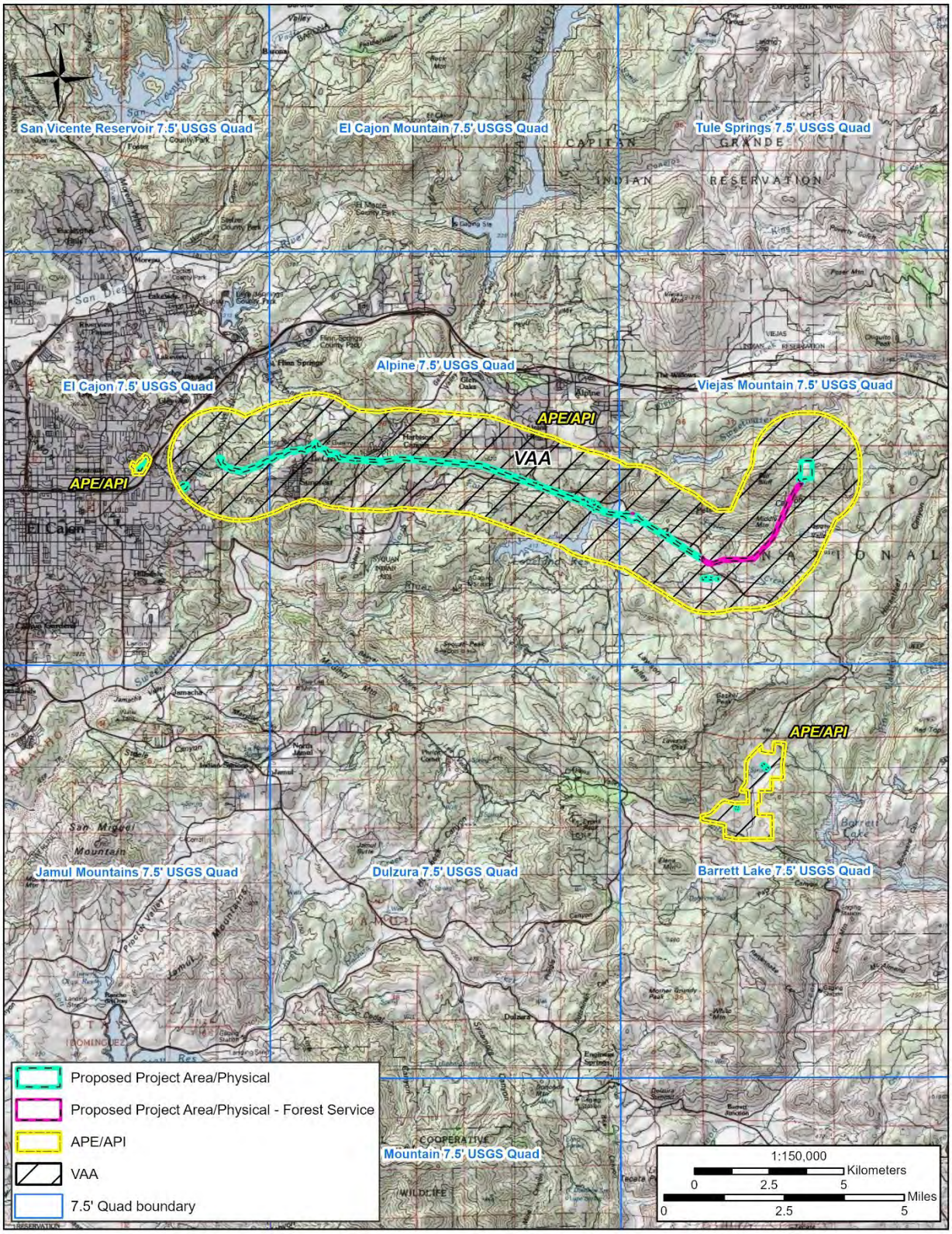

Figure 2. Overview Location Map showing proposed 230 kV transmission line and staging areas.

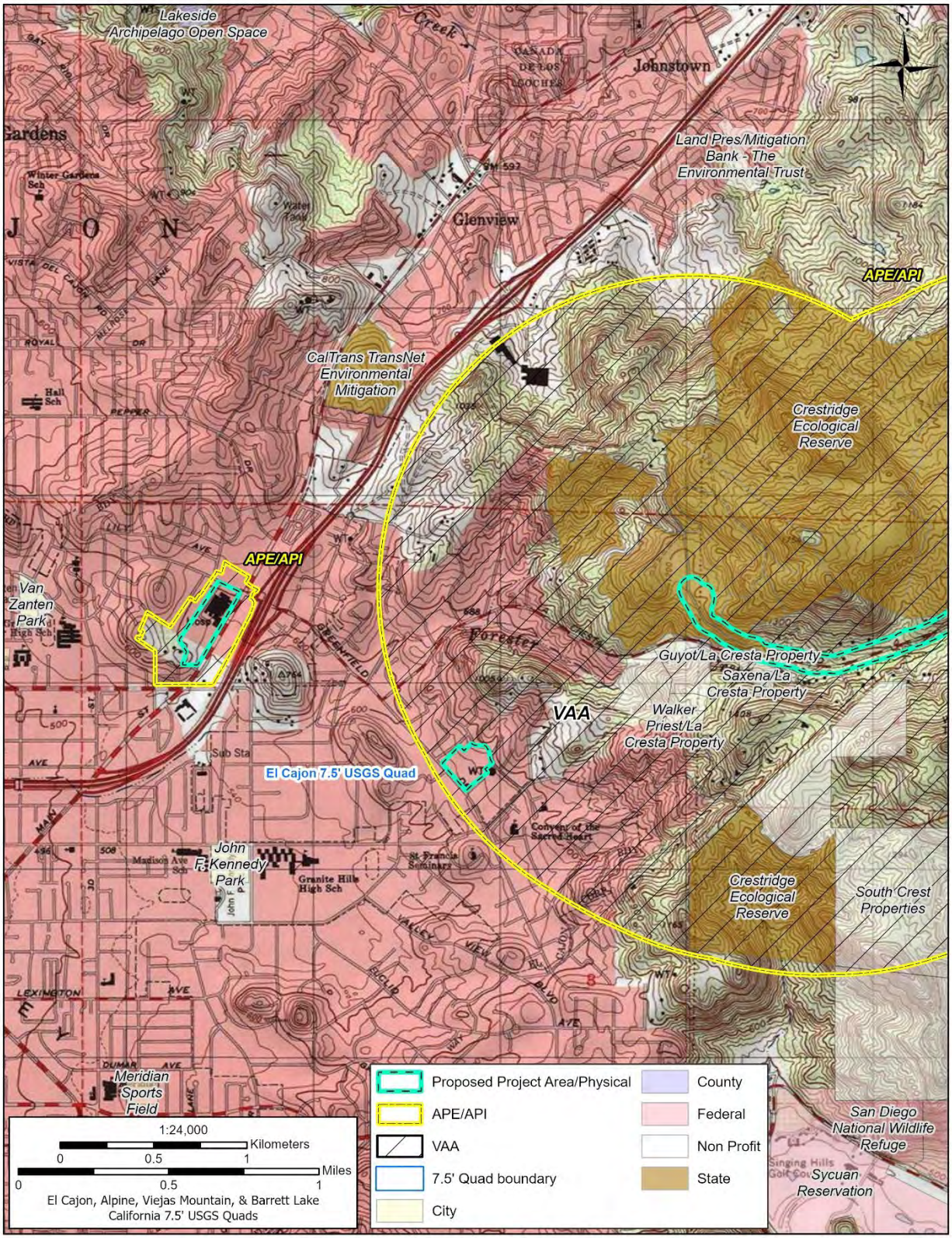

Figure 3.1. Proposed Project Location Maps, showing Physical and VAA portions of the APE/API USGS 7.5' Topo, Scale 1:24k.

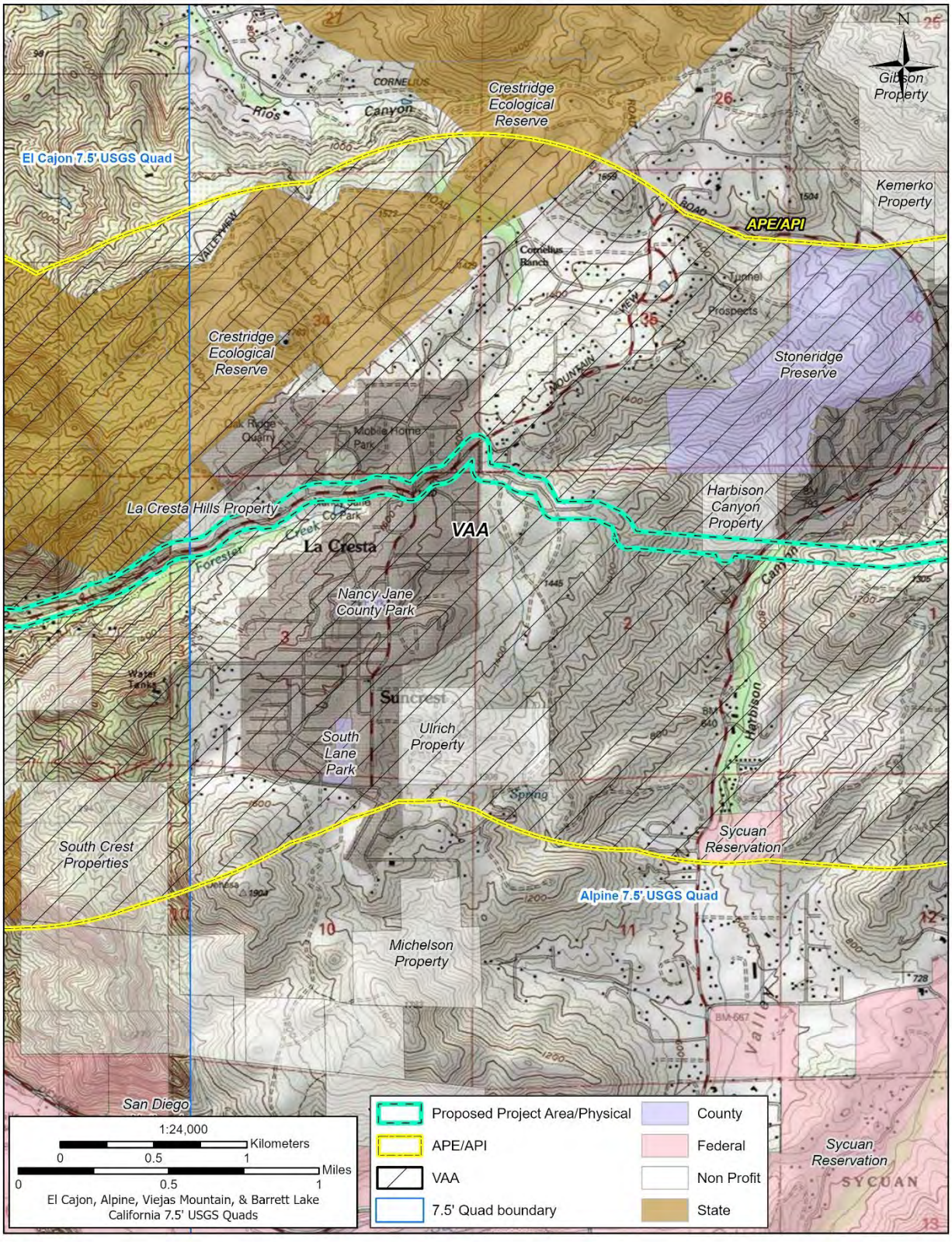

Figure 3.2. Proposed Project Location Maps showing Physical and VAA portions of the APE/API, USGS 7.5' Topo, Scale 1:24k.

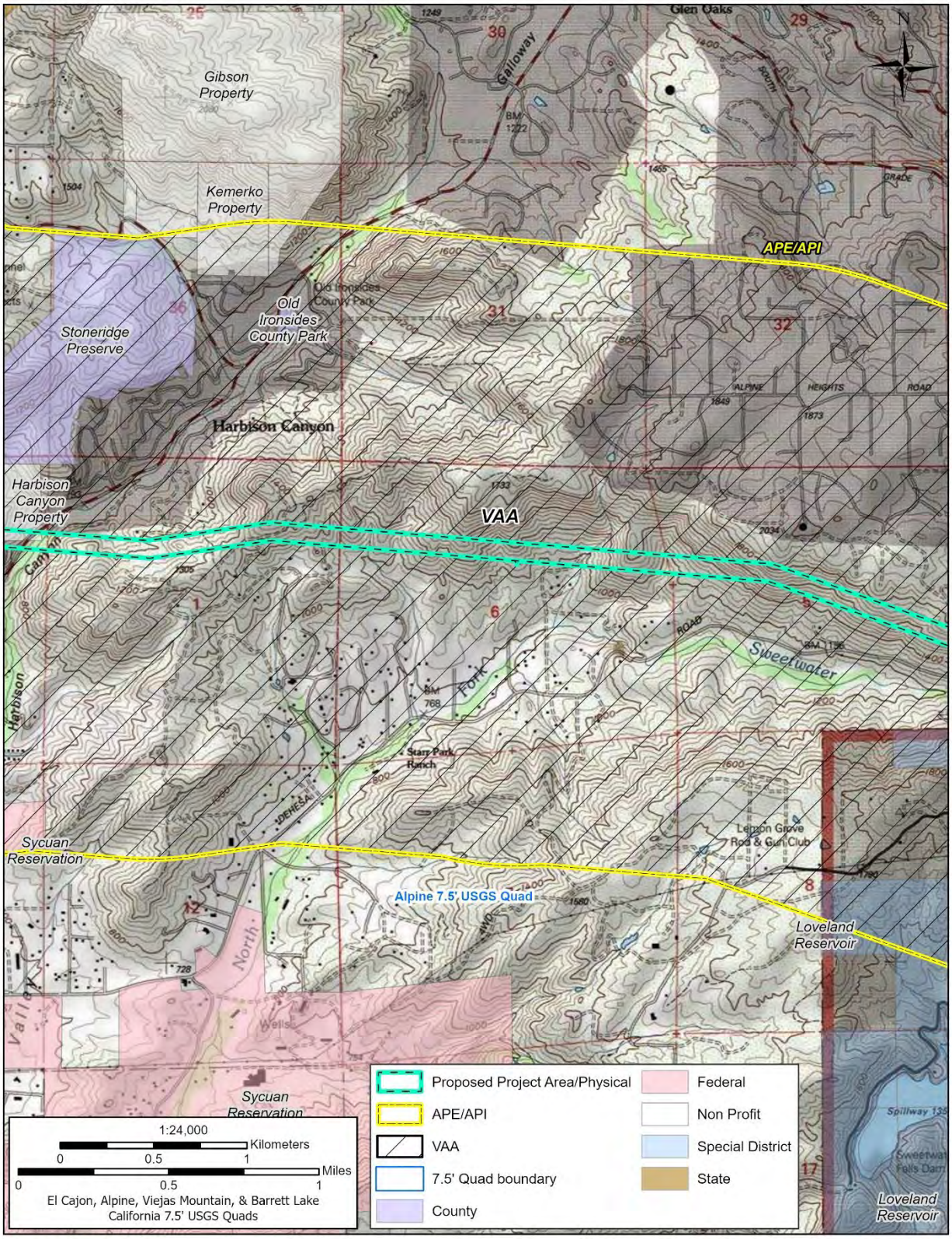

Figure 3.3. Proposed Project Location Maps showing Physical and VAA portions of the APE/API, USGS 7.5' Topo, Scale 1:24k.

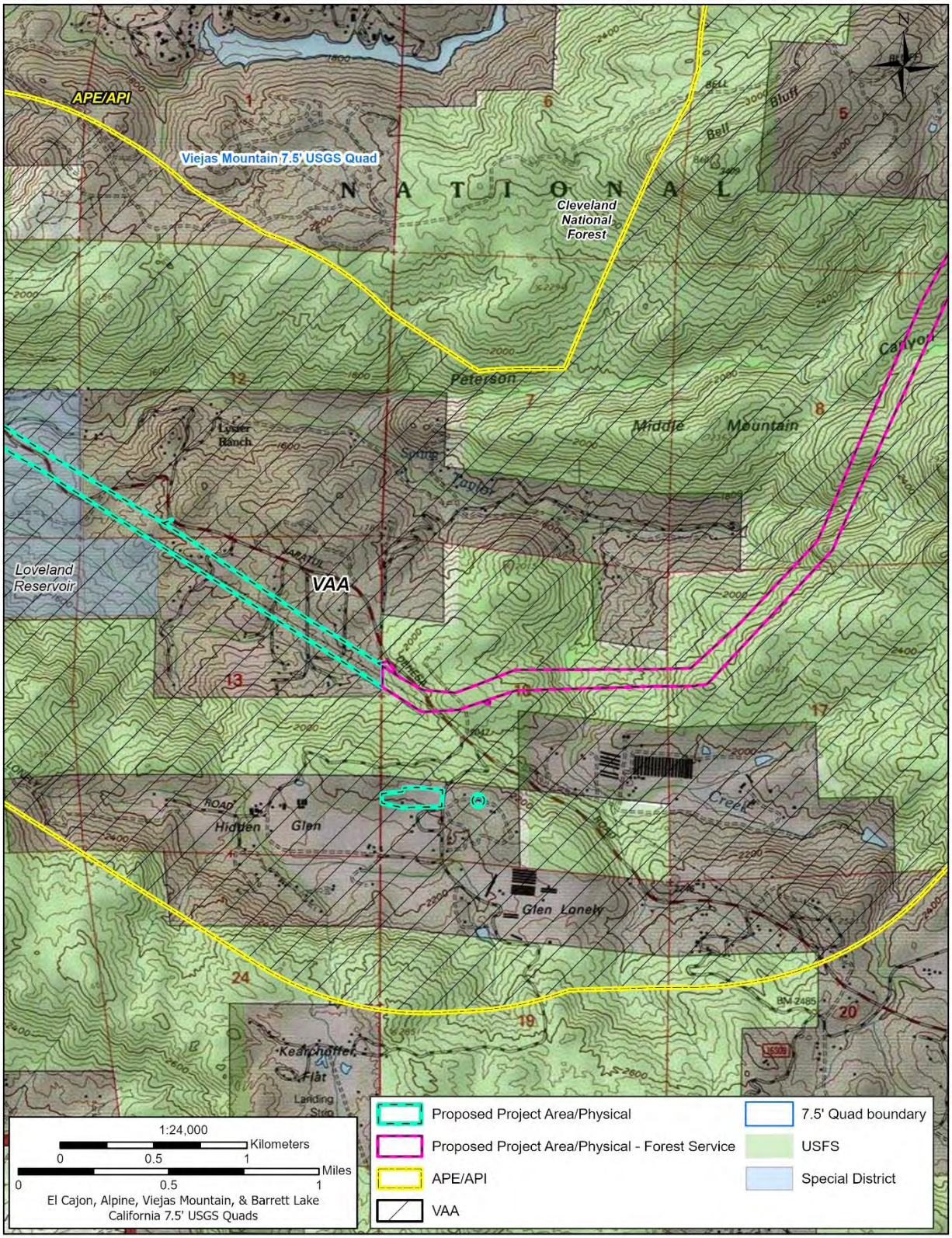

Figure 3.4. Proposed Project Location Maps showing Physical and VAA portions of the APE/API, USGS 7.5' Topo, Scale 1:24k.

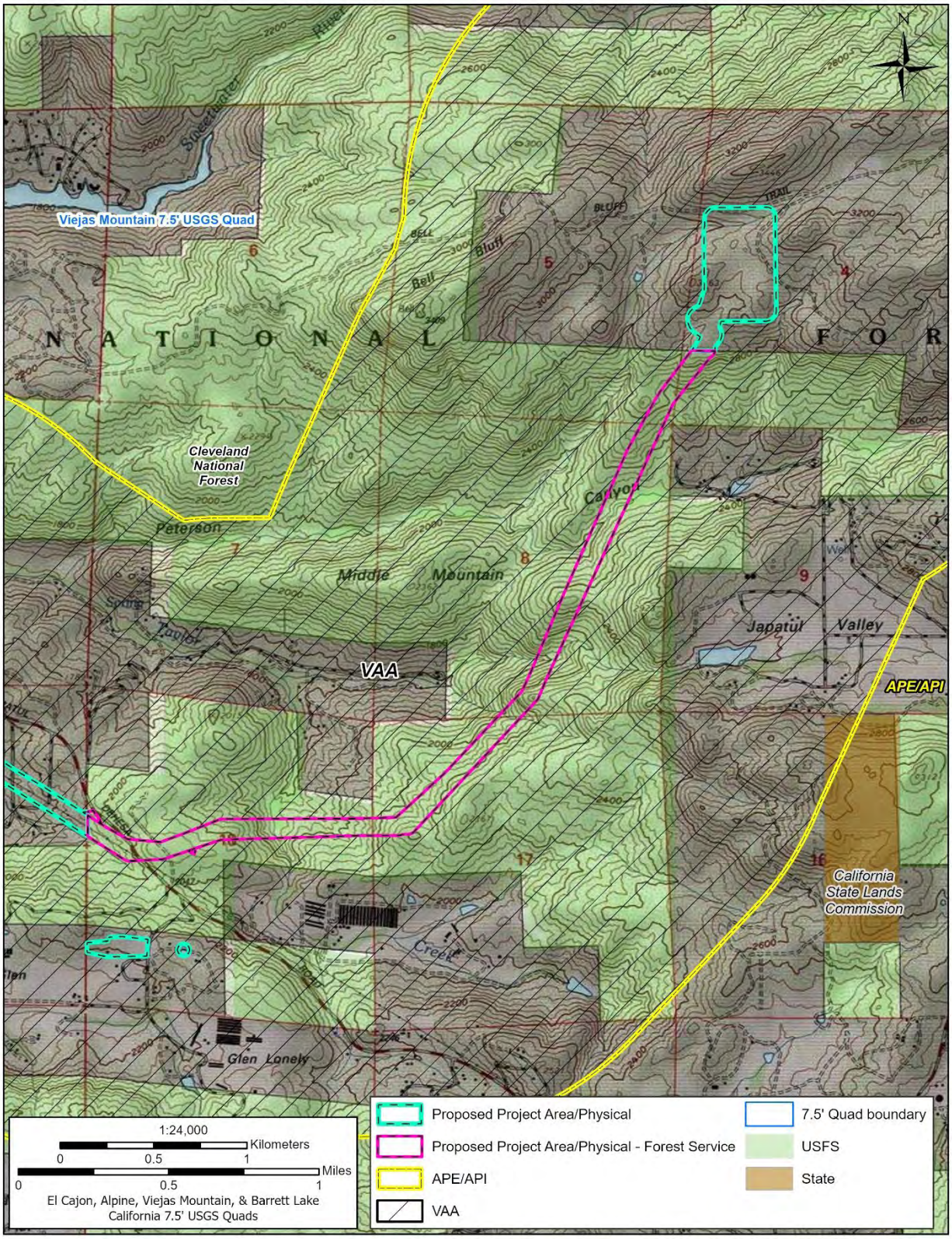

Figure 3.5. Proposed Project Location Maps showing Physical and VAA portions of the APE/API, USGS 7.5' Topo, Scale 1:24k.

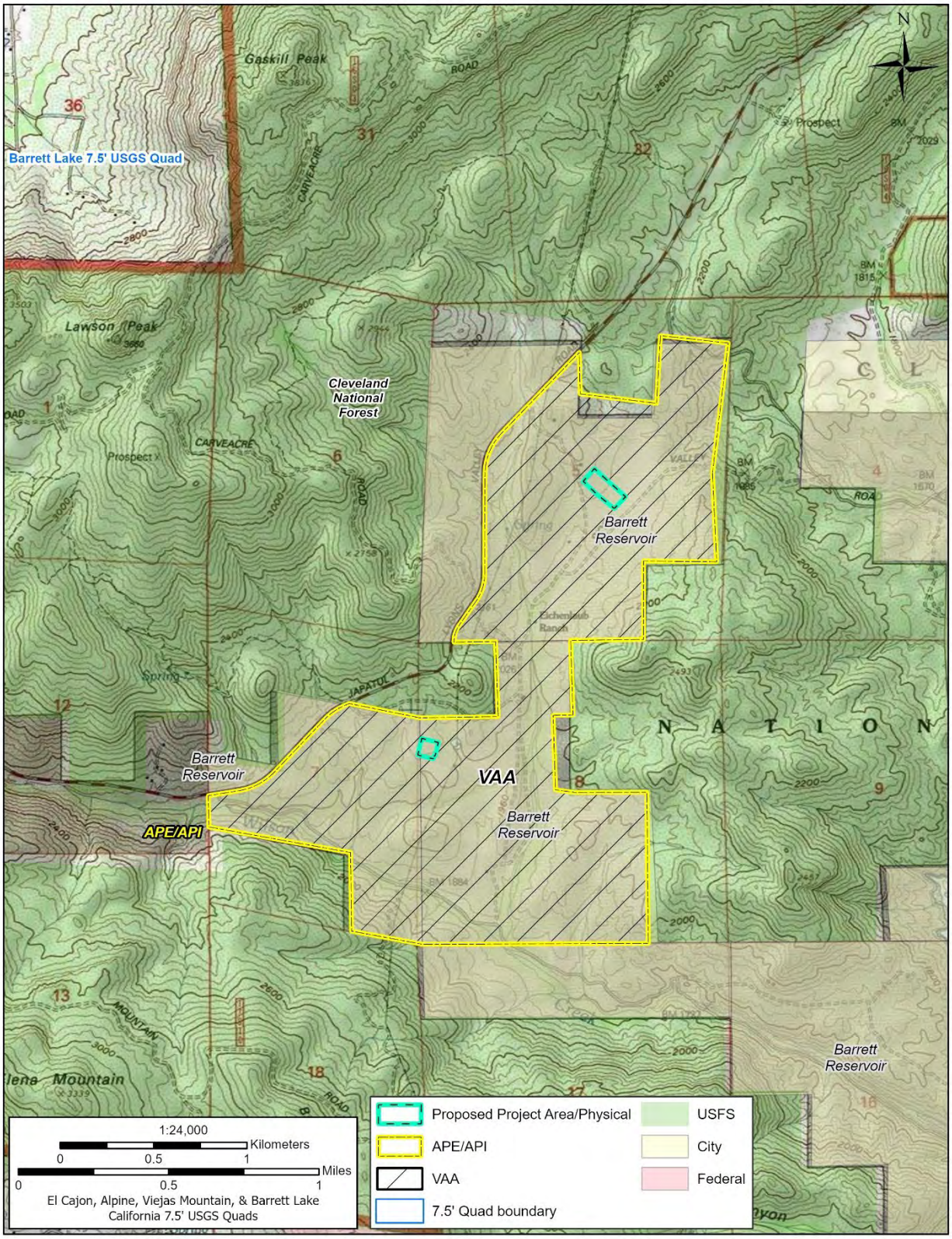

Figure 3.6. Proposed Project Location Maps showing Physical and VAA portions of the APE/API, USGS 7.5' Topo, Scale 1:24k.

2. REGULATORY BACKGROUND AND CONTEXT

This study identified and considered all cultural resources for potential impacts, then assessed those that are determined eligible or have the potential to be eligible for the NRHP and the CRHR. In addition, this study analyzes whether the Proposed Project would have any impacts to historic properties or historical resources in accordance with CEQA, Section 106 of the NHPA and all applicable federal, state, and local laws and policies listed below.

2.1. CALIFORNIA ENVIRONMENTAL QUALITY ACT

CEQA Guidelines (Title 14 California Code of Regulations (Cal. Code Regs.) § 15064.5) *Determining the Significance of Impacts to Archaeological and Historical Resources* requires that all private and public activities not specifically exempted be evaluated against the potential for environmental damage, including effects to historical resources. Historical resources are recognized as part of the environment under CEQA. It defines historical resources as "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."

Lead agencies have a responsibility to evaluate historical resources against the CRHR criteria prior to making a finding as to a proposed project's impacts to historical resources. Mitigation of adverse impacts is required if the proposed project will cause substantial adverse change to a historical resource. Substantial adverse change includes demolition, destruction, relocation, or alteration such that the significance of an historical resource would be impaired. While demolition and destruction are fairly obvious significant impacts, it is more difficult to assess when change, alteration, or relocation crosses the threshold of substantial adverse change. The CEQA Guidelines provide that a project that demolishes or alters the physical characteristics of a historical resource that conveys its historical significance (i.e., its character-defining features) can be considered to materially impair the resource's significance.

The CRHR is used in the consideration of historical resources relative to significance for purposes of CEQA. The CRHR includes resources listed in, or formally determined eligible for listing in, the NRHP, as well as some California State Landmarks and Points of Historical Interest. Properties of local significance that have been designated under a local preservation ordinance (local landmarks or landmark districts), or that have been identified in a local historical resources inventory, may be eligible for listing in the CRHR and are presumed to be significant resources for purposes of CEQA unless a preponderance of evidence indicates otherwise.

Generally, a resource shall be considered by the lead agency to be a "historical resource" if it:

1. Is listed in, or determined to be eligible by the State Historical Resources Commission, for listing in the California Register of Historical Resources (Public Resources Code [PRC] § 5024.1; Title 14 Cal. Code Regs. § 4850 et seq.).
2. Is included in a local register of historical resources, as defined in PRC § 5020.1(k), or is identified as significant in an historical resource survey meeting the requirements of PRC § 5024.1(g).
3. Is a building or structure determined to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California (PRC § 5024.1; Title 14 Cal. Code Regs. § 4652).

Additionally, CEQA recognizes "unique archaeological resources," defined as those that:

1. contain information needed to answer important scientific research questions and hold demonstrable public interest;
2. possess special qualities such as being the oldest or best of their type;
3. are directly associated with a scientifically recognized significant historic or precontact event or person (PRC § 21083.2(g)).

California Register of Historical Resources

The state's authoritative listing of significant historical, cultural, and archaeological properties is the CRHR. Resources may be formally listed, determined eligible, or treated as eligible based on substantial evidence through project-level study. Criteria are defined in PRC § 5024.1; specifically, Title 14 Cal. Code Regs. § 4852 lists the historical significance criteria used to determine whether a resource qualifies for the CRHR, while § 15064.5(a)(3) empowers the lead agency under CEQA with the authority to make an evidenced-based decision to regard a resource as significant even if it is not formally listed on the CRHR. The four criteria are:

- Criterion 1: association with events that have made a significant contribution to the broad patterns of history or the cultural heritage of California or the United States.
- Criterion 2: association with the lives of people significant to our past.
- Criterion 3: embodiment of distinctive characteristics of a type, period, or method of construction.
- Criterion 4: properties that have yielded, or may likely yield, information important to prehistory or history.

Because the CRHR eligibility criteria, as well as the concept of integrity (discussed below in Section 2.5), are directly modeled on the NRHP, agencies and practitioners applying the CRHR criteria routinely rely on guidance documents from the National Park Service (NPS 1977, 1990a, 1990b, 1994, 1995, 1999, 2020, 2024). The CRHR Criteria 1 through 4 directly correspond to NRHP Criteria A through D (see Section 2.5 below), maintaining consistency between federal and state significance evaluations. CRHR Criterion 1 parallels NRHP Criterion A, addressing association with significant historical events, while CRHR Criterion 2 aligns with NRHP Criterion B, concerning individuals important in history. Likewise, CRHR Criterion 3 corresponds to NRHP Criterion C for distinctive design or construction, and CRHR Criterion 4 mirrors NRHP Criterion D, recognizing resources that have yielded or may yield important information about prehistory or history.

Assembly Bill 52[1]

AB 52, signed into law in 2014, established a new category of resources in CEQA called "tribal cultural resources" that considers the tribal cultural values in addition to the scientific and archaeological values when determining impacts and mitigation. Pursuant to PRC, Division 13, § 21074, tribal cultural resources can be either:

1. Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either:
    a. Included or determined to be eligible for inclusion in the CRHR; or
    b. Included in a local register of historical resources as defined in subdivision (k) of § 5020.1.
2. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to the eligibility criteria for the CRHR (PRC §

[1] AB 52 Amended CEQA to add Public Resources Code (PRC) § 21074, 21080.3.1, 21080.3.2, and 21082.3.

5024.1(c)). In applying these criteria, the lead agency must consider the significance of the resource to a California Native American Tribe.

Native American tribes traditionally and culturally affiliated with a geographic area may have expertise concerning their tribal cultural resources. Considering this, AB 52 requires that, within 14 days of a decision to undertake a project or determination that a project application is complete, a lead agency shall provide written notification to California Native American tribes that have previously requested placement on the agency's notice list. Notice to tribes shall include a brief project description, location, lead agency contact information, and the statement that the tribe has 30 days to request consultation. The lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a tribe.

2.2. NATIONAL ENVIRONMENTAL POLICY ACT

NEPA (42 United States Code [USC] 4321 et seq.) establishes the federal policy of protecting important historic, cultural, and natural aspects of our national heritage during federal project planning. NEPA also obligates federal agencies to consider the environmental consequences and costs of their projects and programs as part of the planning process. Previously, all federal or federally assisted projects requiring action pursuant to Section 102 of NEPA were to take into account the effects on cultural and historic resources. Historically, this requirement has been implemented in accordance with the *Council on Environmental Quality (CEQ) Regulations for Implementing NEPA* (40 CFR § 1500-1508). However, effective April 11, 2025, CEQ rescinded these regulations in full, citing Executive Order 14154, and directed federal agencies to revise or establish respective NEPA procedures. Subsequently, the USDA issued an interim Final Rule revising 7 CFR Part 1b on June 27, 2025. Therein, it maintains cultural resources must be considered among the resources to be identified for extraordinary circumstances (see § 1b.3(f)(1)(vii)). The interim rule emphasizes that the mere presence of such resources does not automatically constitute an extraordinary circumstance; instead, there must be a cause-effect relationship and reasonable uncertainty about the significance of the impact. Extraordinary circumstances are determined at the discretion of the responsible official.

Until the USDA has finalized its own NEPA procedures, CEQ permits federal agencies to voluntarily rely on the rescinded CEQ regulations. As such, in considering whether an action may "significantly affect the quality of the human environment," an agency must consider, among other things, the context and intensity of the impact, including "unique characteristics of the geographic area, such as proximity to historic or cultural resources" (40 CFR § 1508.27(b)(3)) and "the degree to which the action may adversely affect districts, sites, highway, structures, or objects listed in or eligible for listing in the National Register of Historic Places" (40 CFR § 1508.27(b)(8)).cultural resources" (40 CFR § 1508.27(b)(3)) and "the degree to which the action may adversely affect districts, sites, highway, structures, or objects listed in or eligible for listing in the National Register of Historic Places" (40 CFR § 1508.27(b)(8)).

2.3. REGION 5 PROGRAMMATIC AGREEMENT

The *Programmatic Agreement Among The U.S.D.A. Forest Service, Pacific Southwest Region (Region 5), California State Historic Preservation Officer, Nevada State Historic Preservation Officer, And The Advisory Council On Historic Preservation Regarding The Processes For Compliance With Section 106 Of The National Historic Preservation Act For Management Of Historic Properties By The National Forests Of The Pacific Southwest Region* (PA) is an agreement that aims to manage cultural resources on Forest Service System lands within Forest Service Region 5. Stipulations in the PA outline that the Forest Service will ensure that specific measures are carried out, including utilizing Historic Preservation

Professionals to implement the agreement, maintaining a site location and survey location record system, and involving Tribes and the public in the identification and evaluation of properties. USFS project leaders are responsible for contacting specialists during the planning of an undertaking to determine if it qualifies as an "undertaking" pursuant to the definition provided in Section 301(7) of the NHPA and 36 CFR 800.2(o) under the NHPA and NEPA. The agreement outlines streamlined procedures for reviewing undertakings with little or no potential to affect historic properties. The PA provides a comprehensive framework for managing routine undertakings in the region while ensuring compliance with historic preservation laws and involving relevant stakeholders in the process.

2.4. FOREST SERVICE HERITAGE PROGRAM MANUAL

The Forest Service Manual 2300 – Recreation, Wilderness, And Related Resource Management Chapter 2360 – Heritage Program Management Heritage Program Manual (FSM 2360) establishes the framework for managing cultural and historic resources within the U.S. Forest Service Pacific Southwest Region (Region 5). It outlines the responsibilities of agency personnel, including Heritage Program Managers and staff, in planning, inventory, evaluation, protection, and enhancement of historic properties. The manual emphasizes compliance with federal laws, such as the NHPA, and sets standards for professional qualifications, documentation, and consultation with State Historic Preservation Offices (SHPOs), Native American tribes, and other stakeholders. It provides guidance for integrating heritage resource management into broader land management activities, ensuring that historic properties are identified, evaluated, and protected during project planning and implementation. The manual also details procedures for training, certification, records management, and ongoing professional development to maintain high standards in heritage stewardship across Region 5's national forests.

2.5. NATIONAL HISTORIC PRESERVATION ACT

Section 106 of the NHPA is applicable to federal undertakings, including projects financed or permitted by federal agencies regardless of whether the activities occur on federally managed or privately owned land. Section 106 of the NHPA is the primary directive for cultural resource preservation. Section 106 requires federal agencies with either direct or indirect jurisdiction over a proposed action to take into account the effect of their actions on historic properties. Section 110 of the NHPA also requires federal agencies to assume responsibility for the preservation of historic properties under their jurisdiction or control.

Regulations revised in 1997 (36 CFR Part 800 et seq.) set forth procedures to be followed for determining eligibility of properties for the NRHP. The eligibility criteria and process are used by federal, state, and local agencies in the evaluation of the significance of cultural resources. Recent revisions to Section 106 in 1999 emphasized the importance of Native American consultation.

36 CFR § 800.16(I)(1) states:

> Historic property means any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the NRHP maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian organization that meet the NRHP criteria. Section 106 of the NHPA also requires federal agencies, and those they fund or over which they have approval authority, to allow the Advisory Council on Historic Preservation (ACHP) the opportunity to comment on undertakings on historic properties, following 36 CFR Part 800. To determine whether an undertaking could affect

> NRHP-eligible properties, cultural resources (including archaeological, historical, and architectural properties) must be inventoried and evaluated for listing in the NRHP. Although compliance with Section 106 is the responsibility of the lead federal agency, others can undertake the work necessary to comply with Section 106.

The Section 106 process entails six primary steps:

1. Initiate consultation and public involvement.
2. Identify and evaluate historic properties within the APE.
3. Assess effects of the project on historic properties.
4. Consult with the State Historic Preservation Office (SHPO) regarding adverse effects on historic properties, if adverse effects are identified, the development of a Memorandum of Agreement (MOA) would result.
5. Submit the MOA to the ACHP.
6. Proceed in accordance with the MOA.

The purpose of NHPA Section 106 is to determine whether adverse effects will occur to significant cultural resources, defined as "historic properties" that are listed in or determined eligible for listing in the NRHP.

National Register of Historic Places

A district, site, building, structure, or object must generally be at least 50 years old to be eligible for consideration as a historic property. That district, site, building, structure, or object must retain integrity of location, design, setting, materials, workmanship, feelings, and association as well as meet one of the four criteria of eligibility defined above to demonstrate its historic associations in order to convey its significance. A district, site, building, structure, or object may be eligible for consideration as a historic property if that property meets the criteria considerations for properties generally less than 50 years old, in addition to possessing integrity and meeting the criteria for evaluation.

The criteria for NRHP eligibility are defined at 36 CFR § 60.4 as follows:

> The quality of significance in American history, architecture, archaeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and that:
>
> (A) are associated with events that have made a significant contribution to the broad patterns of our history; or
>
> (B) are associated with the lives of persons significant in our past; or
>
> (C) embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
>
> (D) have yielded, or may be likely to yield, information important in prehistory or history.

There are, however, restrictions on the kinds of historical properties that can be listed in the NRHP. These have been identified by the Advisory Council on Historic Preservation (ACHP), as follows:

> Ordinarily cemeteries, birthplaces, or graves of historical figures, properties owned by religious institutions or used for religious purposes, structures that have been moved from their original

> locations, reconstructed historic buildings, properties primarily commemorative in nature, and properties that have achieved significance within the past 50 years shall not be considered eligible for the National Register. However, such properties will qualify if they are integral parts of districts that do meet the criteria or if they fall within the following categories:
>
> (a) A religious property deriving primary significance from architectural or artistic distinction or historical importance; or
>
> (b) A building or structure removed from its original location, but which is significant primarily for architectural value, or which is the surviving structure most importantly associated with a historic person or event; or
>
> (c) A birthplace or grave of a historical figure of outstanding importance if there is no appropriate site or building directly associated with his productive life.
>
> (d) A cemetery which derives its primary significance from graves of persons of transcendent importance, from age, from distinctive design features, or from association with historic events; or
>
> (e) A reconstructed building when accurately executed in a suitable environment and presented in a dignified manner as part of a restoration master plan, and when no other building or structure with the same association has survived; or
>
> (f) A property primarily commemorative in intent if design, age, tradition, or symbolic value has invested it with its own exceptional significance; or
>
> (g) A property achieving significance within the past 50 years if it is of exceptional importance. [ACHP n.d.]

Note that, for archaeological sites, under Criterion D "only the *potential* to yield information is required," whereas for Criteria A, B and C, "the site must have demonstrated its ability to convey its significance" (NRHP 1997:46; emphasis in original).

Integrity

In addition to meeting one or several of the above Evaluation Criteria and Criteria Considerations, a property must retain integrity to be considered eligible for listing on the NRHP. According to the *National Register Bulletin 15* (1997:44), "Integrity is the ability of a property to convey its significance. To be listed in the National Register of Historic Places, a property must not only be shown to be significant under the National Register criteria, but it also must have integrity."

Seven aspects or qualities of cultural resources, in various combinations, define integrity. Significant cultural resources possess several, usually most, of these seven qualities. The seven qualities of integrity are location, design, setting, materials, workmanship, feeling, and/or association. Which aspects of integrity are pertinent to the significance-determination of a specific resource depends on the criterion under which it may be eligible. For example, location would not be an important quality of integrity for a historic ship.

National Register Bulletin 15 (1997:46) then further specifies that:

> Archeological sites eligible under Criteria A and B must be in overall good condition with excellent preservation of features, artifacts, and spatial relationships to the extent that these remains are able to convey important associations with events or persons…Archeological sites eligible under Criterion C …[must have] remains [that] are able to illustrate a site type, time period, method of construction, or work of a

> master…under Criterion D, integrity is based upon the property's potential to yield specific data that addresses important research questions.

2.6. ARCHAEOLOGICAL RESOURCES PROTECTION ACT

The Archaeological Resources Protection Act (ARPA), as amended (16 USC 470aa–470mm), establishes requirements for the protection of archaeological resources on federal and Native American lands beyond those of the NHPA. ARPA sets standards for permissible excavation through a permit process, prohibits `unauthorized excavation, and prescribes civil and criminal penalties for violations. It also encourages cooperation between federal agencies and private individuals. ARPA permits are required for archaeological research on public lands not directly contracted or requested by a U.S. government agency. The primary implementing regulations for ARPA include 36 CFR 79 and 43 CFR 7, Subparts A and B, which provide definitions, standards, and procedures for federal land managers to protect archaeological resources, including permitting procedures and civil penalty hearings. These regulations are also duplicated in 32 CFR 229.

2.7. NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT

The Native American Graves Protection and Repatriation Act (NAGPRA) of 1990 (25 USC 3001–3013) provides for consultation with appropriate Native groups prior to the excavation of, or following the inadvertent discovery of, Native American human remains and specified cultural items, including unassociated funerary objects, sacred objects, and items of cultural patrimony. NAGPRA also requires federal agencies and institutions receiving federal funding to inventory and repatriate Native American human remains and cultural items in their possession or control. The primary implementing regulation of NAGPRA is 43 CFR 10, which establishes a systematic process for determining the rights of lineal descendants, Tribes, and Native Hawaiian organizations to affiliated human remains and cultural items, ensuring respectful treatment and return of these materials.

2.8. SAN DIEGO COUNTY RESOURCE PROTECTION ORDINANCE

The Resource Protection Ordinance (RPO) of San Diego County defines cultural resources as "significant prehistoric or historic sites," including locations of past human occupation, districts, buildings, artifacts, and places of scientific, religious, or ethnic value. These sites are protected under federal and state law, such as the American Indian Religious Freedom Act. Under the RPO, any activity that could damage these significant sites such as development, grading, or clearing is strictly prohibited, except for approved scientific investigations by certified archaeologists. When a discretionary project is proposed, a Resource Protection Study must identify any significant sites present. If such sites are found, the ordinance requires protective actions, such as open space easements or rezoning, to ensure their preservation. The RPO's intent is to guarantee that development does not degrade or destroy these irreplaceable cultural resources, making their protection a priority in land use decisions.

The County requires that resource importance be assessed not only at the state level as required by CEQA, but at the local level as well. If a resource meets any one of the following criteria as outlined in the Local Register, it will be considered an important resource:

(1) is associated with events that have made a significant contribution to the broad patterns of San Diego County's history and cultural heritage;
(2) is associated with the lives of persons important to the history of San Diego County or its communities;
(3) embodies the distinctive characteristics of a type, period, San Diego County region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or
(4) has yielded, or may be likely to yield, information important in prehistory or history.

2.9. TRADITIONAL CULTURAL PROPERTIES/TRIBAL CULTURAL RESOURCES

Federal and state laws mandate that consideration be given to the concerns of contemporary Native Americans with regard to potentially ancestral human remains, associated funerary objects, and items of cultural patrimony. Consequently, an important element in assessing the significance of the study site has been to evaluate the likelihood that these classes of items are present in areas that would be affected by the Proposed Project.

Potentially relevant to precontact archaeological sites is the category termed Traditional Cultural Properties (aka Places)[2] (TCPs) in discussions of cultural resource management (CRM) performed under federal auspices. According to Patricia L. Parker and Thomas F. King (1998), "Traditional" in this context refers to those beliefs, customs, and practices of a living community of people that have been passed down through the generations, usually orally or through practice. The traditional cultural significance of a historic property, then, is significance derived from the role the property plays in a community's historically rooted beliefs, customs, and practices.

The County of San Diego Guidelines (2007a) identify that cultural resources can also include TCPs, such as gathering areas, landmarks, and ethnographic locations in addition to archaeological districts. These guidelines incorporate both state and federal definitions of TCPs. Generally, a TCP may consist of a single site, or group of associated archaeological sites (district; traditional cultural landscape), or an area of cultural/ethnographic importance. In 1990, the NPS and ACHP introduced the term "TCP" through *National Register Bulletin 38* (Parker and King 1998; NPS 2024). A TCP may be considered eligible based on "its association with cultural practices or beliefs of a living community that (a) are rooted in that community's history, and (b) are important in maintaining the continuing cultural identity of the community" (Parker and King 1998:1). TCPs may include single sites, cultural landscapes, or ethnographic places, and are recognized under both federal and California state law. In 2024, the NPS published *National Register Bulletin 38 (Updated) Identifying, Evaluating, and Documenting Traditional Cultural Places* (NPS 2024) to provide updated guidance for TCPs.

Strictly speaking, TCPs are both tangible and intangible; they are anchored in space by cultural values related to community-based physically defined "property referents" (Parker and King 1998:3). On the other hand, TCPs are largely ideological, a characteristic that may present substantial problems in the process of delineating specific boundaries. Such a property's extent is based on community conceptions of how the surrounding physical landscape interacts with existing cultural values. By its nature, a TCP need only be important to community members, and not the general outside population as a whole. In this way, a TCP boundary, as described by NPS Bulletin 38, may be defined based on viewscape, encompassing topographic features, extent of archaeological district or use area, or a community's sense

[2] Places is the terms that is codified in the Traditional Tribal Cultural Places Bill of 2004 and AB 52.

of its own geographic limits. Regardless of why a TCP is of importance to a group of people, outsider acceptance or rejection of this understanding is made inherently irrelevant by the relativistic nature of this concept.

California legislation, including the Traditional Tribal Cultural Places Bill of 2004 and AB 52, requires consultation with Native American tribes during planning, expands CEQA's scope to include Tribal Cultural Resources (TCRs), and defines them as sites, landscapes, or objects with cultural value to tribes that meet federal, state, or local significance criteria. TCPs and TCRs are often both tangible and intangible, rooted in community identity, and may have boundaries defined by cultural values rather than physical markers.

The Traditional Tribal Cultural Places Bill of 2004 requires local governments to consult with Native American representatives during the project planning process. The intent of this legislation is to encourage consultation and assist in the preservation of "Native American places of prehistoric, archaeological, cultural, spiritual, and ceremonial importance" (County of San Diego 2007a). It further allows for tribal cultural places to be included in open space planning. State Assembly Bill (AB) 52, in effect as of July 1, 2015, introduces the TCR as a class of cultural resource and additional considerations relating to Native American consultation into CEQA. As a general concept, a TCR is similar to the federally defined TCP; however, it incorporates consideration of local and state significance and required mitigation under CEQA. A TCR may be considered significant if included in a local or state register of historical resources; or determined by the lead agency to be significant pursuant to criteria set forth in PRC § 5024.1; or is a geographically defined cultural landscape that meets one or more of these criteria; or is a historical resource described in PRC § 21084.1, a unique archaeological resource described in PRC § 21083.2, or is a non-unique archaeological resource if it conforms with the above criteria.

Evaluations of TCPs and TCRs are identical to that of Section 106 of the National Historic Preservation Act (NHPA) (NPS 1977, 1990a, 1990b, 1994, 1995, 1999, 2020, 2024) as described above in Section 2.5.

Ethnographic and historic materials are vital in informing the application of CRHR criteria, as well as the tribal values component of the CEQA definition of Tribal Cultural Resources. At the time of this report preparation, no Tribal Cultural Resources have been formally evaluated within the APE/API, and archaeological sites that may contain Tribal Cultural Resources are treated as eligible.

Under CEQA, state and local agencies must evaluate impacts to cultural resources, with significant impacts occurring when historically significant or unique resources may be damaged or destroyed. Historically significant resources include those eligible for the CRHR by association with important events, people, architectural qualities, or research potential. Unique resources are defined as artifacts or sites with high probability of yielding important scientific information, being the oldest or best of their type, or being linked to recognized historic events or figures. AB 52 (2014) added TCRs as a category of resources under CEQA, requiring agencies to consult with tribes and consider cultural as well as scientific values in significance determinations. Agencies must notify tribes within 14 days of project acceptance, and consultation must begin within 30 days if requested, ensuring tribal expertise informs resource evaluation and mitigation.

2.10. DISCOVERY OF HUMAN REMAINS

If, while conducting any ground-disturbing activities, human remains or possible human remains are identified, the appropriate agency will be contacted, as appropriate, to ensure compliance with the following state laws and regulations:

Title 14 Cal. Code Regs. § 15064.5 (d) and (e)
Title 14 Cal. Code Regs. § 15064.5 (d) and (e) outlines procedures and responsibilities for handling Native American human remains discovered during the environmental review or project implementation phases and to ensure respectful treatment in consultation with Native American representatives.

Health and Safety Code § 7050.5
Health and Safety Code § 7050.5 is a California state law that governs the treatment of human remains discovered during construction or other ground-disturbing activities. This section ensures respectful handling, preservation, and consultation in cases where human remains are unexpectedly uncovered as follows:

- If human remains are discovered, all ground-disturbing work must immediately cease in the area of the find. The site must be secured to prevent further disturbance.
- The County Medical Examiner (ME) must be notified immediately of the discovery. The ME will determine whether the remains are part of a crime scene or otherwise require forensic investigation, or are Native American in origin.

Public Resources Code § 5097.98
Pursuant to PRC § 5097.98, the Discovery of Native American Remains: If the ME determines that the remains are Native American, they must notify the California Native American Heritage Commission (NAHC) within 24 hours. The NAHC will then designate a Most Likely Descendant (MLD) from a relevant Native American Tribe.

- The MLD provides recommendations for the treatment or disposition of the remains. Options could include:
    - Preservation in place, considered the preferred approach.
    - Removal and respectful reburial elsewhere.
    - Other culturally appropriate actions as agreed upon.
- Developers are required to make a good faith effort to follow the MLD's recommendations.
- Unauthorized removal or disturbance of human remains is prohibited and can result in legal penalties.
- Work in the area may resume only after the remains are handled in accordance with applicable laws and MLD recommendations and necessary permits and clearances are obtained.

The property owner or project developer is required to work in good faith with the MLD to implement their recommendations. If no agreement is reached, the remains must be reburied in a nearby area that will not be subject to further disturbance. If the NAHC is unable to identify an MLD or if the MLD does not make recommendations within 48 hours, the property owner must reinter the remains with dignity in a location not subject to further disturbance.

This law, PRC § 5097.98, works in tandem with Health and Safety Code § 7050.5, which requires work stoppage upon discovery of human remains.

Native American Graves Protection and Repatriation Act
NAGPRA of 1990 (25 USC 3001–3013) and its implementing regulation 43 CFR 10 is described above in Section 2.7. The Proposed Project crosses federal land, specifically the CNF. If human remains are discovered on Forest Service System lands, the following stipulations of the Region 5 (R5) PA apply:

(a) Should inadvertent effects to or unanticipated discoveries of human remains be made on Region 5's[3] lands, the County Coroner (California Health and Safety Code 7050.5(b)) or Sheriff if *ex officio* Coroner shall be notified immediately. If the remains are determined to be Native American or if Native American (Indian) cultural items pursuant to NAGPRA are uncovered, the provisions of NAGPRA and its regulations at 43 CFR 10 and ARPA at 43 CFR 7 shall be followed on federal lands.

(b) If such remains or items are discovered off federal lands within California, for projects authorized by the Forest Service (see Region 5 Stipulation 1.4), the provisions of the California Native American Graves Protection and Repatriation Act (California Health and Safety Code 8010-8030[4], and California PRC § 5097.98-99) shall be followed.

(c) If Indian burials are discovered off federal lands within Nevada, for projects authorized by the Forest Service (see Stipulation 1.4), the provisions of Nevada's Protection of Indian Burial Sites (Nevada Revised Statutes 383.150-190) shall be followed.

(d) For undertakings on federal lands, the provisions of a Written Plan of Action (43 CFR Part 10.5(e)) or Comprehensive Plan (43 CFR Part 10.5(f)) governing the intentional or inadvertent discovery of human remains and cultural items described in NAGPRA shall be followed in lieu of the above procedures.

[3] Region 5 refers to Forest Service System lands.

[4] Enacted in 2001 and amended in 2020, CalNAGPRA establishes a state-level framework for the respectful treatment, inventory, and repatriation of California Native American human remains and cultural items held by state-funded agencies and museums. It complements the federal Native American Graves Protection and Repatriation Act (NAGPRA) by extending repatriation rights to non-federally recognized California Indian tribes and emphasizing culturally appropriate consultation. The Act mandates timely responses to repatriation claims, encourages voluntary returns by private institutions, and empowers the NAHC to oversee dispute resolution and compliance. CalNAGPRA reflects California's commitment to tribal sovereignty, cultural preservation, and restorative justice.

3. BACKGROUND: ENVIRONMENTAL AND CULTURAL SETTING

This chapter presents an overview of the environmental setting of the survey area, along with the precontact, ethnohistoric, and historic settings. Previous archaeological research conducted in the area is also included. The discussion that follows is a summary describing how pertinent investigations in the general region have contributed to the development of cultural history and is not intended to be an exhaustive account of all research conducted in the area.

3.1. ENVIRONMENTAL SETTING

The Proposed Project will traverse unincorporated areas of San Diego County, California, and cross lands managed or owned by the U.S. Forest Service (CNF), Sweetwater Authority, Endangered Habitats Conservancy, and California Department of Fish and Wildlife. The route begins near La Cresta Road, approximately 1.5 mi. east of Interstate 8 and just east of its intersection with Shadow Mountain Road, then generally follows La Cresta Road eastward before proceeding cross-country through Harbison Canyon to land owned by the Sweetwater Authority near Dehesa Road and Japatul Road. From there, it continues southeast parallel to Japatul Road before entering the CNF and ending on property owned by SDG&E.

Landforms within the region typically consist of marine terraces transitioning into rolling hills to the east, extending to the Peninsular Ranges. Sediments accumulated through streams, wind, and gravitational activities characterize recent geologic deposits. The region is characterized by a Mediterranean semiarid steppe climate, moderated by coastal proximity (Bowman 1973; Hines and Rivers 1991:4). Precipitation averages 270 millimeters (mm) per year and falls primarily in the winter (from December to April). A series of major plant communities are present within the region, including coastal sage scrub, freshwater marsh, riparian, grasslands, oaks, and chaparral (Munz 1974). Appendix C shows the vegetation types present in the study area, based on publicly available data on ArcGIS online, with corresponding ground visibility and topographic information revealing potential buried site sensitivities. These maps are presented together to show how the dense vegetation and the ground visibility within the APE correlate to one another. A wide range of small mammals, birds, and reptiles are indigenous faunal resources of the region. Some of the mammals that occur in the area include several species of mice and bats, desert cottontail, California ground squirrel, desert woodrat, bobcat, coyote, and mule deer, among others. Waterfowl, geese, and ducks are also found. Prior to European contact, the area also would have supported a wide range of terrestrial resources, including pronghorn and black bear (California Department of Fish and Wildlife n.d.).

3.2. ARCHAEOLOGICAL SETTING

Archaeological investigations in southern California have demonstrated that a diverse range of human occupation extended over the past 12,000 to 10,000 years, until the time of contact with Europeans (Byrd and Raab 2007; Erlandson and Colten 1991; Jones 1991, 1992; Moratto 1984). The prehistory of western San Diego County can be divided into three temporal periods: Paleoindian, Archaic, and Late Prehistoric.

3.2.1 Paleoindian Period

The Paleoindian period in San Diego County is considered to have emerged during the terminal Pleistocene and to have continued into the early Holocene, beginning approximately 10,000 B.P. and ending sometime between 8500 and 7500 B.P. (Byrd and Raab 2007; Moratto 1984; Warren et al. 1993).

Elsewhere in the southwestern United States (U.S.), the Paleoindian period begins with the Clovis tradition. The Clovis tradition, which began in the end of the Pleistocene around 11,200 B.P., was a widespread phenomenon throughout North America and is noted for its distinctive fluted points (Meltzer 1993). Although no Clovis sites have been documented in the study region, isolated fluted points have occasionally been recovered, which indicates the potential for discovering terminal Pleistocene occupation.

Archaeologists have used a variety of terms over the years for Paleoindian assemblages in the southern California region. Malcolm Rogers, the first to provide a chronological sequence of archaeological assemblages of the region, introduced and then discarded the terms Scraper-Maker, Malpais, and Playa to label early lithic industries of the region [see Warren (1967) for a more comprehensive review]. Rogers (1939, 1945) coined the term San Dieguito (see above) to refer to the earliest artifact assemblages in San Diego County, and for many it remains a viable concept. Rogers' (1929) use of the term developed out of his work in which he distinguished several lithic scatter sites situated on the San Dieguito plateau of San Diego County. These San Dieguito sites were initially termed the Scraper-Makers. Key attributes of the San Dieguito sites included distinct scrapers and scraper planes, bifacial knives, rare crescentics, and occasional hand stones and milling stones. These sites were situated on terraces and ridge tops, lacked subsurface material and middens, and were interpreted as evidence of a hunting-focused culture (Meighan 1954; Moriarty 1966; Rogers 1939, 1945; True 1958, 1966, 1970; Warren 1966, 1967, 1987; Warren and True 1961; Warren et al. 1961).

The discovery and subsequent excavation of the C. W. Harris site provided the first stratigraphic evidence to place the San Dieguito in the temporal sequence (Rogers 1938). This multiphase site was exposed in an alluvial cut along the San Dieguito River, and trench excavations revealed San Dieguito and Late Prehistoric occupation episodes. Based on his more extensive research in the southern California deserts, Rogers (1938, 1939) considered the site to be a San Dieguito II or III occupation, a late Paleoindian campsite. Flaked lithic tools such as scrapers and scraper planes, large bifaces, and projectile points characterized the artifact assemblage.

Additional fieldwork was carried out at the Harris site from 1958 to 1967 (Warren 1966, 1967; Warren and True 1961). This research and the publication of Rogers' fieldwork provided the stratigraphic and analytical basis for initially defining the San Dieguito as a Paleoindian hunting culture. Notable aspects of these studies were the absence of ground stone artifacts, stratigraphic superposition below a La Jolla occupation, and radiocarbon dates that placed the initial site occupation at about 9000 B.P. and ending between about 8500 and 7600 B.P. (Warren 1967). The absence of ground stone was considered an important distinction between San Dieguito and subsequent Archaic occupation (Warren 1967) although as previously mentioned, they are increasingly recognized as a minor part of these early assemblages.

3.2.2 Archaic Period

In the San Diego region, the Archaic period extends from 7500 B.P. (possibly as early as 8500 B.P.) to sometime between 1300 and 800 B.P. (Moratto 1984; Rogers 1966; Warren et al. 1993; see discussion above). Some researchers have divided this period in various ways, including early, middle, and late periods, and differentiating between coastal and inland occupations. Archaic assemblages along the coast are generally highly visible in the archaeological record due to relatively large quantities of ground stone items, flaked cobble tools and cores, and, in certain areas, massive quantities of marine shell (Gallegos 1985, 1987, 1992; Meighan 1954; Moriarty 1966; Rogers 1939, 1945; True 1958, 1966, 1970; Warren 1966, 1967, 1987; Warren and True 1961; Warren et al. 1961). The relatively high profile of Archaic assemblages has allowed for more research and theory-building on human behavior than previous periods. Despite the seemingly basic appearance of Archaic assemblages, interpretations of aboriginal behavior from Archaic sites are fairly diverse. Historically, a major distinction has been made between shell

midden Archaic sites near the coast and non-shell midden Archaic sites further inland. Coastal Archaic sites (often termed the La Jolla complex) have been characterized by shell middens, flaked cobble tools, basin milling stones, hand stones, and flexed burials, while inland sites in northern San Diego County are often termed the Pauma complex (True 1958), lacking the shell middens and burials. Alternative terminology includes Wallace's (1955) Milling Stone horizon and Warren's (1968) Encinitas tradition. This time period was considered to have differed from the prior San Dieguito adaptation by being more focused on gathering activities that emphasized plant resources, marine mollusks, and occasionally catching fish.

Rogers (1945:170-171) considered the Paleoindian (San Dieguito) and Archaic (La Jolla) occupations to represent different populations, a view shared by Warren (1968). However, later research considered the potential for cultural continuity to explain the transition at coastal sites (Kaldenberg 1982; Moriarty 1967). As discussed for the Paleoindian/Archaic Transition period, some alternative views consider early Archaic and Paleoindian sites to be contemporaneous expressions of a single settlement system (Bull 1987; Gallegos 1987), or that the early Archaic pattern represents one of the earliest adaptations specifically suited to a southern California environment (Hale 2001). The latter implies that the Harris Site, with its well-dated San Dieguito component (see Warren 1968), might not represent a San Dieguito pattern at all, but rather an anomaly.

Initially, Rogers (1929) noted that archaeological sites of the Shell-Midden people (i.e., La Jollan; see below) were concentrated along major drainages and lagoons, extending up to 4 mi. inland. The largest areal spread of such sites away from the major drainages occurred between Escondido and Agua Hedionda creeks. Shell midden sites were characterized by massive quantities of shellfish, along with hand stones and milling stones, hammerstones, and split cobbles. Rogers (1945:171) later coined the term "La Jolla culture" to refer to these early shell midden sites and distinguished two phases (La Jolla I and II) within a continuous occupation based on stratigraphic observations. The early phase was characterized by basin milling stones, unshaped hand stones, simple stone cobble tools, cortical flake tools, and inhumations without grave goods. The later phase included greater frequencies of ground stone and flaked artifacts, increased manufacturing sophistication, and inhumations interred in cemetery areas with grave goods (e.g., shell beads, stone digging-weights) and inverted milling stones over burials.

Subsequent to Rogers' work, later investigations at coastal Archaic shell middens provided additional data along with the analytical basis to reexamine these assemblages (Crabtree et al. 1963; Moriarty et al. 1959; Shumway et al. 1961; Warren et al. 1961). With the introduction of radiocarbon dating, a series of Archaic coastal shell midden sites was examined and produced radiocarbon dates from 9000 to 3000 B.P. As a result of these studies, several proposals were offered regarding temporal change during the coastal Archaic. These interpretations were used to either add or remove archaeological subphases and to modify the temporal distribution of various archaeological traits (Davis 1976; Harding 1951; Moriarty 1966; Warren 1964).

More recently, the reconstruction of San Diego County coastal adaptations has been, at its essence, the argument originally put forth by Warren (1964). In particular, the prehistory of one area, Batiquitos Lagoon in the central portion of the county, has essentially served as the type locality for the littoral prehistory of San Diego County (Gallegos 1985, 1987; Warren 1964; Warren and Pavesic 1963; Warren et al. 1961). Although refinements have been made by Warren and other scholars based primarily on new excavations (Christensen 1992; Gallegos 1987, 1992; Gallegos and Kyle 1988; Warren 1968; Warren et al. 1993), the broad perception of coastal adaptations for the past 7,000 years has remained largely unchanged.

The normative view of the coastal Archaic is that exploitation of the San Diego County littoral zone began early in the Holocene and was clustered around resource-rich bays and estuaries (Warren 1964,

1968). Shellfish have been interpreted as a dietary staple, although plant resources (nuts and grasses) also were an important dietary component. Major changes in human adaptations were considered to have occurred when lagoon silting became so extensive as to cause a decline in associated shellfish populations. This occurred between 4000 and 3000 B.P. at Batiquitos Lagoon and possibly later at other larger lagoons. The decline in littoral shellfish resources, Torrey pine nuts, and drinking water is thought to have drastically affected human populations, forcing a major depopulation of the coastal zone. Populations shifted inland to a river valley orientation and intensified exploitation of terrestrial small-game and plant resources (e.g., acorns), which was originally proposed by Rogers (1929:467). The coast either was abandoned or subject to only seasonal, often short-term occupation. The principal, well-recognized exception to this abandonment was the southern third of the coastline associated with Mission and San Diego bays where occupation continued as before unaffected by lagoon silting (see Christensen 1992).

Currently, inland Archaic adaptations in San Diego County are not as well understood, primarily because of the lack of well-dated archaeological deposits. This probably has led to a biased perspective that Archaic occupation is predominately a coastal phenomenon, partly due to the high visibility of shell remains and datable materials at coastal archaeological sites. Historically, our understanding of the inland Archaic is primarily based on a series of 25 sites that predate the Late Prehistoric period in inland northern San Diego County, sites that were termed the Pauma complex by True (1958). These sites were set on hills overlooking drainages and associated with Holocene sediments. Together, they were considered distinct from coastal Archaic sites, given their surficial nature, predictable lack of shellfish, and perceived differences in the lithic assemblage. Given the predominance of grinding stones in the tool assemblages, the economy at these sites was thought to be oriented toward seed-gathering. While many similarities to coastal Archaic adaptations were recognized, milling stones were claimed to be more frequent in the Pauma complex sites, while scraping, planing, and hammer/chopper tools were thought to be more common along the coast (True and Beemer 1982). For example, excavations at the Pankey site in the Pauma Valley found an inverted basin milling stone above a burial and low frequencies of shellfish remains (True and Pankey 1985). As a result of the work at the Pankey site, True and Pankey (1985) hypothesized that the Pauma complex represents an inland, possibly seasonal, expression of the coastal Archaic (La Jolla). Since Pauma sites are poorly understood in terms of a temporal framework, interpretations of broader Archaic settlement and subsistence practices should be viewed as problematic.

Perhaps this is why Warren (1968) originally collapsed the inland (Pauma) and coastal (La Jolla) Archaic into the Encinitas Tradition. Warren (1968) viewed the Encinitas Tradition as a lifeway generally centered around a gathering and processing economy, whether inland, along drainages, or along the coast, and occupying large, centralized habitation sites. These large sites also have been interpreted as sedentary villages (see Hale 2001). An alternative explanation, however, is that large Archaic sites are simply reoccupied regularly for similar purposes over a long period of time (Hale 2001). In this interpretation, highly visible ground and battered stone implements that dominated the assemblages were subject to situational use and discard, creating large assemblages spread out over an extended area. Furthermore, in this view, large Archaic sites were components of a highly flexible and generalized economy, able to accommodate exploitation of resources from inland to coastal environments.

3.2.3 Late Prehistoric Period

Between about 2000 and 1000 B.P., a Late Prehistoric non-ceramic Yuman horizon, presumed to be ancestral to the Kumeyaay occupation, appears to have emerged at certain La Jolla sites along the Pacific coast. Rogers (1945:173-174) first postulated a non-ceramic Yuman pattern in the Mojave Desert with small triangular arrowheads, shallow-basined metates, unshaped manos, round portable mortars, triangular knives, bone awls, and cremation burials. A non-ceramic Yuman assemblage was documented at the Oro Grande site on the Mojave River near Victorville (Rector et al. 1983). A typical Late

Prehistoric assemblage was found there, although no Desert Side-notched points or ceramics were discovered. Radiocarbon dates ranged between 1200 and 700 B.P., placing it within the Saratoga Spring period (1500–800 B.P.) of the Mojave Desert sequence (Warren and Crabtree 1986:191). The nature of this cultural change and its specific dates in San Diego County remain uncertain, leading to temporal gaps and inconsistencies in several of the culture histories of the area (McDonald et al. 1993).

Moriarty (1966) used radiocarbon data from the stratified Spindrift site to chronicle changes in artifact assemblages through time in San Diego County during the Late Prehistoric period. He noted an increased use of exotic cryptocrystalline silicates occurring around 3000 B.P., and the diversification of pressure-flaked lithic artifacts. Cremations replaced inhumation burials around 2500 B.P. Moriarty suggested that within this time frame, and by 2000 B.P., a pre-ceramic Yuman culture had come from the Colorado River area and merged with the local La Jolla culture. These dates and the stratigraphic integrity of the Spindrift site remain questionable, however, and it appears that many elements of a late Archaic assemblage remained until 1300 B.P. (Warren et al. 1993). No dates have been provided yet for the introduction of Cottonwood Triangular and Desert Side-notched projectile points that signal the shift from atlatl and dart to bow-and-arrow hunting technology.

Non-ceramic assemblages with Cottonwood Triangular points have been observed in stratified multicomponent sites on the San Diego River, but efforts to verify their chronological validity with appropriate early dates have been thwarted by less than ideal stratigraphic integrity (Carrico et al. 1994; McDonald et al. 1994). However, these sites did demonstrate a shift in obsidian sources from the Coso Range of the Mojave Desert during the Archaic period to Obsidian Butte in the Colorado Desert during the Late Prehistoric period.

The fully developed Late Prehistoric period in San Diego County (1000–300 B.P.) is characterized by sites with small pressure-flaked projectile points, cremation burials, the introduction of ceramics, and an emphasis on inland plant food collection, processing, and storage, especially of acorns. Inland semi-sedentary villages were established along major waterways, and montane areas were seasonally occupied to exploit acorns and pinyon nuts, resulting in permanent milling stations on bedrock outcrops (May 1975; True 1970). Mortars for acorn processing increased in frequency relative to seed-grinding basins. Several coastal or near-coastal village sites were occupied and maritime resources continued to contribute to the native diet and lifeways.

Although the Yuman populations exploited the same ecological zones as the La Jolla, each relied on slightly different subsistence and settlement modes. In both economies, however, gathered seed foods were important. Finally, food-storage technology enhanced by baskets and/or ceramic vessels could have provided a means to acquire food surplus.

3.3. ETHNOHISTORIC SETTING

The APE/API is located within the traditional aboriginal territory of the Yuman-speaking Diegueño or Kumeyaay (Ipai-Tipai). These include the Kumeyaay, the Kamia, and groups living in northern Baja California (Meigs 1939). In general, the Kumeyaay ranged from the coast through the Peninsular Ranges, and the Kamia resided in Imperial Valley and on the Colorado River during historic times (Luomala 1978). Animal resources for the Kumeyaay consisted mostly of small game such as rabbits (*Sylvilagus* spp.), hares (*Lepus californicus*), woodrats (*Neotoma* spp.), lizards, some snakes, and grasshoppers (Gifford 1931:14; Shipek 1991:32; Spier 1923:335-336). Larger game, mostly mule deer (*Odocoileus hemionus*) and possibly pronghorn (*Antilocapra americana*, now locally extinct), also were hunted.

Descendants of the Late Prehistoric people, the ethnohistoric Ipai-Tipai/Kumeyaay, had a society organized around patrilineal residence groups, with hereditary positions of political and ceremonial importance (Luomala 1978). Permanent villages and campsites were located in oak woodland valleys and catchment basins in the coastal zone, the western foothills, the Peninsular Range and, to a lesser extent, in the desert further east. Resource extraction and processing sites were clustered in an optimal manner around the settlements. Temporary camps and other gathering sites were located in more distant areas. Seasonal movements were within communally owned village territories. These movements were directly related to the changing availability of critical resources.

Kumeyaay culture and society began to change dramatically with the advent of missionization and displacement by Hispanic populations during the late eighteenth and early nineteenth centuries. The effects of missionization, along with the introduction of Old World diseases, greatly reduced the native population of southern California (Cook 1976). By the early 1820s, California was under Mexican rule. The establishment of numerous ranchos under the Mexican land grant program further disrupted the way of life of the native inhabitants.

In 1834, California's missions were secularized (Luomala 1978). Native Americans were given half the mission lands to use, to make them Mexican farmers and colonists, and were to work on community projects. As quickly as they received the lands, they typically lost them. Secular administrators functioned akin to feudal lords and ignored their responsibilities to the Native Americans. As a result, Ipais and Tipais became serfs, trespassers on ancestral lands, rebels, or mountain fugitives. Native Americans with hunting-gathering tracts or new gardens planted with mission seeds that fell within any large land grant that Mexico made to attract settlers met a similar fate. However, a few Mission Indians secured such land grants.

The U.S. acquired California in 1846–1848, following the Mexican-American War. The region's Native Americans initially received little attention from the federal government (Luomala 1978). The U.S. Senate rejected treaties negotiated in 1851–1852 with California Native American groups. Euro-American pressures on Kumeyaay lands intensified as California boomed after the Civil War and after gold was discovered in Julian in 1870. Diseases such as smallpox and measles continued to take their toll. Often, white explorers and settlers interpreted seasonally occupied villages as permanently abandoned when they encountered them off-season, burning down structures and confiscating material culture. One of the more egregious situations occurred when the Jacum band left Jacumba after hostilities broke out with local ranchers. Efforts by the Native Americans to secure legal titles or have Mexican titles acknowledged failed. White squatting was hastened by non-Indian attempts to set aside land for the Native Americans in places like fertile San Pasqual.

Legal reservations began to set aside portions of eastern San Diego County for Native groups during the Grant and Hayes administrations and were subsequently expanded during the following decades. Reservations in the vicinity of the present project include Capitan Grande (established in 1875), Campo (1893), La Posta (1893), Manzanita (1893), Ewiiaapaayp (Cyuapaipe, 1983), Barona (1932), and Viejas (Baron Long, 1939) (Shipek 1978). The newly established reservations were inadequate to sustain either the aboriginal economy or, more commonly, a mixture of aboriginal and new-style economies. By the 1880s, the Ipai-Tipai were living in dire conditions. Overgrazing and diversion of water, including underground resources, had destroyed grassland and woodland on the reservations. Grazing on coastal grasslands, a source of food seeds for the Native Americans, was a key factor in Native American attacks on the old mission. The removal of all white settlers from reservations and patenting of lands to Native American residents was recommended in 1883 by Helen Hunt Jackson, a special federal agent who investigated the situation. However, no action resulted except to authorize the removal of squatters with military aid from reservation lands. By the 1890s, many Native American men and women, industrious but poorly paid, labored on ranches, in mines, and in towns but returned to the reservations for fiestas and

family events. Coastal groups, first and hardest hit by the region's changes, lived in San Diego's slums, camped in nearby hills, or drifted down to less populated lands in Baja California (Luomala 1978).

Into the twenty-first century, local Native Americans have continued to maintain some elements of their traditional culture, as well as playing a role in the larger community. Recent reservation community historical themes revolve around struggles for enhanced tribal sovereignty, social justice, economic independence, and prosperity, as well as balancing traditional values with modernity (Luomala 1978; Shipek 1987). In particular, the development of Native American casinos has revitalized several groups.

3.3.1 Native American Sites

ASM researched traditional cultural locations in the APE/API using available published information and archival materials. Traditional cultural locations are named landmarks that collectively constitute maps of indigenous groups' territories and use areas. Each set of landmarks guided its people through space and, at the same time, encapsulated their history, values, and beliefs (King 2003:67). None of the traditional cultural locations discussed below are within the APE/API.

The Proposed Project is within protohistoric Kumeyaay (*Ipai-Tipai*-Diegueño-*Kamia*) territory, which extended from approximately the San Luis River mouth in the north to about Todos Santos Bay, near Ensenada, Mexico, in the south (Luomala 1978:593). From the Pacific Ocean, the Kumeyaay ranged inland across San Diego and Imperial counties to about Sand Hills. No list exists of all Kumeyaay settlements, names, and locations (Luomala 1978:597). Many villages were only temporary campsites that a band occupied in its territory during a year. A campsite was selected for access to water, drainage, boulder outcrops, or other natural protection from weather and ambush, as well as abundant flora and fauna of that ecological niche. A concentration of campsites in an area were considered a permanent village, settlement, or "Rancheria."

Sweetwater River itself has a traditional Kumeyaay place name *Ah-ha-ooo-mulk* (water sweet). The Proposed Project area skirts the north fork of the Sweetwater River. *Matamo/Matt Tumau* is documented on the west end of Dehesa Canyon, approximately 1.7 mi. south of the Proposed Project area[5].

Specific Kumeyaay traditional cultural locations or places were identified on a map by Kroeber (1925:Plate 57) and include the following locations near the Proposed Project, but not within the APE/API:

- Along the San Dieguito River: *Kuiaumai; Hapai*; *Sinyau-pichkara*; *Ahmukatlkatl*; *Pauha*; *Tukumak* (near Mesa Grande); *Setmunumin*; and *Atikwanon*.
- Between the San Dieguito and San Diego Rivers: *Pauwai* and *Pamo*.
- Along the San Diego River: *Kosoi*; *Nipawai*; *Sinyeweche*; *Witlimak*; *Anyaha*; *Kosmit*; and *Sinyau-tehwir*.
- Between the San Diego and Sweetwater Rivers: *Amotaretuwe*.
- Along San Diego Bay and Sweetwater River: *Totakamalare*; *Pauipa*; *Hamacha* (Jamacha); *Sekwan* (Sycuan); *Ekwianiak*; and *Tlokwih*.
- Along the Otay River: *Hamul* (Jamul).
- Between the Otay River and Cottonwood Creek: *Otai* (Otay Mountain).
- Along Cottonwood Creek: *Kwatai* (Guatay)—see also Carrico (1983) for an excerpt of an interview with Tom Lucas, *Kwaaymii*, of Laguna Ranch regarding this village.

[5] https://storymaps.arcgis.com/stories/b8b9dffb544d423891e36727c03842f6

Delfina Cuero notes that the Kumeyaay had names for locations in their territory that referred to characteristics of that place (Shipek 1991:24). “Otay” refers to a kind of weed that grows at that location. “Jamacha” is the name of a wild gourd that grows abundantly in that named area. “Jamul” was named after another weed that is common where water is abundant in that area. Point Loma was called “black earth” because of its appearance from a distance.

Shipek (1987:13-14) also notes that within the greater Kumeyaay territory, smaller band territories associated with a rancheria were well-defined, with rocks marking group boundaries defended by sorcery and arms. The band territory included such things as trails within the area open to use by all members, general hunting territories, religious and ceremonial areas, band gathering areas, and locations with family or individual tenures. Most important to the Kumeyaay at both the “national” and band levels was the concept of sacred lands. The greater Kumeyaay lived within a territory encompassed by their creation stories. Often, specific locations and features are described in these stories. Nearby Kumeyaay holy places include *Kuuchamaa* or Tecate Peak (Shipek 1985).

Each band also had specific and individual sacred sites (Shipek 1987:13-14), such as a “sun watcher” mountain used by the band’s sun shaman for ceremonies on the solstice and equinox. All bands had some central brush- or pole-enclosed structure used as an altar or worship area that only the shamans and leaders might enter. Each band also had a cemetery or cremation area that was used for sacred disposal of the dead and maintained as a restricted sacred area.

Nearby known sacred places within greater Kumeyaay territory encompassed by their creation stories include the following (Cline 1979, 1984:87-105):

- Mount Guatay near Descanso (*Awaataay*): Big House
- A spring at the edge of the river flat at Descanso (*In-yar'en Ah-ha'*): No Eyes in Water
- The summit of Viejas Mountain (*Kwut'ah Lu'e-ah*): Kwut'ah Lu'e-ah-Song Dance

An Ethnographic Overview of the CNF has been completed (Baksh and Hector 2003). No specific ethnographic areas are identified within the APE/API; however, the overview provides important regional ethnographic context.

In summary, although traditional cultural locations are known in the area surrounding the Proposed Project, none are located within the Proposed Project APE/API.

3.4. EURO-AMERICAN HISTORIC SETTING

European contact with coastal southern California began as early as 1542, with the voyage of Juan Rodríguez Cabrillo. However, intensive interactions and contacts with interior areas came only after the establishment of the Spanish presidio and mission of San Diego in 1769. During the Spanish period, exploratory probes into eastern San Diego County were made by Pedro Fagés and others, and the Southern Immigrant Trail came into use by colonists traveling from Sonora. Thus, the mission culture may have begun to impact Aboriginal culture within the present APE/API.

With the achievement of Mexico’s independence from Spain in 1821, California’s administrators began to shift their focus away from the Franciscan mission system and toward Hispanic lay settlement of the province. Avenues for foreign trade were opened, and private land grants became more numerous and extended farther inland from the coast.

During the Mexican-American War of 1846–1848, California was occupied and subsequently annexed by the U.S. Land ownership was complicated by this transition. The Treaty of Guadalupe-Hidalgo, signed in February 1848, obligated the U.S. government to recognize legitimate land claims in Alta California. While Mexicans initially made up the majority of the population, the Gold Rush after 1849 stimulated large-scale immigration into the region. With large land holdings and a strong cattle industry, many "gente de razon," or upper class, nevertheless found themselves overextended when the northern California miners' demand for meat dwindled. To pay their taxes and bills, some were forced to offer their lands at public auction (Garcia 1975:22). Many small farmers had difficulty maneuvering through the process and acquiring land (Garcia 1975:16). Settlers increasingly squatted on land that belonged to Mexicans, citing their preemption rights, which was the tradition that squatters had the first opportunity to buy the unimproved, unclaimed land for a fair price before auction (Garcia 1975:22). Squatters increasingly challenged the validity of Spanish-Mexican claims through the Board of Land Commissioners created by the California Land Claim Act of 1851 (Garcia 1975:22-23). Most Californios did not retain their original land holdings by 1860, including Santiago Arguello, who was granted the former Mission San Diego land in 1846 and eventually lost $24,000 in property (Garcia 1975:24).

By 1860, most of the land in San Diego was unimproved farmland that included ranches (Garcia 1975:15). Settlement of the area primarily occurred through homesteading authorized by the Homestead Act during the Civil War by Abraham Lincoln on May 20, 1862. The Act offered 160 acres to settlers for a nominal filing fee in return for five years of residency and cultivation. At the end of five years, a settler would receive a land patent if the terms were met and the examiner was satisfied with the results (Robinson 1948:168-169). Another option for land settlement was the Timber Culture Act, passed on March 13, 1873. This act required a 10-year cultivation period of healthy trees, a requirement that later was amended to reduce the necessary time and acreage. Some speculators and ranchers used this law as a way to obtain land for purposes other than what the patent stated. In the 1870s and 1880s, small farming communities were quickly established throughout San Diego County as settlers took up homestead claims on government land or small holdings purchased from real estate developers.

The transcontinental railroad reached southern California in November 1885, resulting in an unprecedented real estate boom for the city and county of San Diego. Settlers poured into San Diego, lured by real estate promotions offering a salubrious climate, cheap land, and the potential to realize great profits in agriculture and real estate. The population of San Diego increased by 700 percent from a total population of 5,000 in 1885 to 40,000 in 1889 (Hector et al. 2004:18). Population continued to expand, irregularly but persistently, during the century that followed, approaching 2,000,000 by the year 2000. However, most of the growth was concentrated in the coastal areas and adjacent inland valleys.

A variety of themes characterized the history of the APE/API and its vicinity during the twentieth century (Pryde 2004). Road and rail transportation routes were created or improved to link urban San Diego with regions of the country farther east. Limited amounts of development for farming and grazing occurred in the inland valleys. Mining in the Peninsular Ranges was small to large scale and of varying economic importance. Substantial areas were set aside for resource protection or recreational use as portions of CNF and Cuyamaca Rancho State Park. Large blocks of land in the Peninsular Ranges were given wilderness designation.

3.4.1 Historic Overview of Alpine

The community of Alpine is located on a relatively flat plateau within the Cuyamaca Mountains and has a mild climate ideal for agriculture (Morrison n.d.). Early Euro-American settlement of the land began in 1848, when the land was sold to Don Jose Antonio Aguirre, whose family owned the land until 1862 (Morrison n.d.). Beginning in 1854, a semi-weekly horseback mail route, often referred to as "The Jackass Mail Trail," ran through the land (Morrison n.d.). The trail was used to transport mail from San

Diego to Yuma and is considered the first regular U.S. Mail route in southern California (*The Daily Times-Advocate* 1972). Even after the end of the mail route in 1860, Alpine was a popular stop for travelers passing through, often going to or from Arizona (Morrison n.d.).

One of the first settlers in Alpine was John S. Harbison, who is credited with pioneering commercial beekeeping in San Diego County (*Daily Times Advocate* 1975a). Honey became a leading agricultural product of Alpine and continued to be the community's main crop until the 1970s (Morrison n.d.). However, honey was not the only agricultural product produced in Alpine. Many of the people who settled in the region from the 1870s to the 1950s were farmers and ranchers, whose specialties included olives, stone fruits, avocados, and citrus (Morrison n.d.).

Aside from agriculture, Alpine also became known for its ideal climate and scenic landscape. It became a popular resort destination with "excellent accommodations at all the different places" and "a number of drives through the pretty valleys with grand views from almost any direction" (*The Weekly San Diegan-Sun* 1902). Japatul and Dehesa Valley were specific parts of the region recognized for their beauty, with drives along Japatul and Dehesa roads being advertised as an excursion for tourists (*The San Diego Sun* 1925).

While Alpine was a popular resort town, there were not many permanent residents, aside from farmers, until the late twentieth century. Two major factors led to the town's growth during the 1970s. One was the construction of water facilities in the early 1960s, which provided public access to water in the area, and the other was the completion of Interstate 8 in 1969 (*Chula Vista Star-News* 1961; *Coast Dispatch* 1969). The population increased from about 5,000 people in 1970 to 17,000 by 2006 (Morrison n.d.). In 1976, building permits in Alpine reached an all-time high, most of which were filed for residential development (*Daily Times Advocate* 1977). Despite this period of late-twentieth-century growth, Alpine remains a relatively rural and agricultural community with a present-day population of about 14,500 people (United States Census Bureau 2020).

3.4.2 Historic Overview of El Cajon

In the early nineteenth century, El Cajon Valley was founded by priests from the Mission San Diego de Alcala while they were seeking pastureland (City of El Cajon n.d.). The geographic characteristics of El Cajon Valley, including the surrounding foothills and lush grasslands of the valley floor, made it an ideal location for raising cattle (*San Diego Sun* 1891). In 1821, Mexico gained its independence from Spain and claimed the land that is present-day California and Texas (Lay 1987). Many land grants were given throughout California to influential Mexican families (Lay 1987). In 1845, 48,799 acres of El Cajon Valley were granted to Dona Maria Antonio Estudillo. This was the third-largest land grant in the region (*The Daily Times-Advocate* 1975b). The land grant included the present communities of El Cajon, Glenview, Johnstown, Lakeside, Santee, and part of Grossmont (City of El Cajon n.d.). Dona Maria Antonia Estudillo was the daughter of a powerful Mexican family who lived in Old Town (Lay 1987). She and her husband accepted the land grant and used the land to raise cattle for shoemakers (Lay 1987). After their deaths, the U.S. Land Commission issued a patent to their heirs, creating Rancho El Cajon in 1876 (*The Daily Times-Advocate* 1975b).

Eventually, portions of Rancho El Cajon were sold off to various people, thereby dividing the rancho into smaller settlements. Isaac Lankershim, a San Francisco financer, purchased a large section of the land in 1868, part of which would later become the city of El Cajon (*The Daily Times Advocate* 1975b). Lankershim subdivided the land for farming, and, within a few years, the valley became known for its agricultural production, particularly of cattle, citrus, avocados, grapes, and wheat (City of El Cajon n.d.).

By the nineteenth century, clear communities had been established in the area. El Cajon had a main street with sprawling farmland surrounding it (Lay 1987). El Cajon followed a pattern of development typical of rural and small-town America, with steady population growth leading to its incorporation as a city within San Diego County in 1912 (*The Chula Vista Star* 1949; City of El Cajon n.d.). Agricultural production remained the primary industry of El Cajon throughout both world wars and the Great Depression, but the end of World War II brought an influx of people to the area and transformed the town from a rural community into the largest city in eastern San Diego County (City of El Cajon 1957; Lay 1987). The 1970s marked an industrial boom in El Cajon, leading to the construction of more homes and industrial parks (*Life News* 1976). Toward the end of the twentieth century, the city's growth began to stabilize. While the city began as a small farming community, it has been transformed into a highly populated, industrialized city that serves as the center for East County San Diego (City of El Cajon n.d.).

3.4.3 Historic Overview of Crest

The unincorporated community of Crest is located in eastern San Diego County, atop a ridge just beyond the eastern city limits of El Cajon. The community sits at an elevation of about 1,500 to 1,800 ft., allowing views of the surrounding valleys, the San Diego city skyline, and, on clear days, the Pacific Ocean (*The San Diego Sun* 1926a; *Life News* 1974). Crest was originally two separate communities—La Cresta and Suncrest—but the two merged in the early 1960s under the name 'Crest' to make it simpler for the local post office serving the area (Crest Historical Society 2019; *Chula Vista Star News* 1961; *Life News* 1974).

The first subdivision on the ridge was plotted in 1924 for the development of vacation cabins (*San Diego Sun* 1924a; *Life News* 1974). The communities of Suncrest and La Cresta were marketed in the 1920s as ideal mountain getaway spots. During this time, the *San Diego Sun Newspaper* offered a special promotion in which land lots in Suncrest could be purchased for $35 after subscribing to their paper (*San Diego Sun* 1924b; *Life News* 1974). This led to the development of roads, cabins, a clubhouse, and a golf course in the area (*San Diego Sun* 1924a, 1924c, 1925). The scenic roadways were integral to the growth of the area—developers stated their vision for the ridge was "broad roadways skirted by mountain homes overlooking the canyon… with tier after tier of mountains rising in the background" (*San Diego Sun* 1926b). By the late 1920s, roads leading up the mountain had been improved to allow for increased access to the area and more route options for scenic drives (*San Diego Sun* 1927, 1929a, 1929b). The cabins brought vacationers to the area throughout the 1920s and 1930s, and permanent residents did not move to the area until about 1950 (Crest Historical Society 2019).

The area that is present-day Crest was recognized not only for its natural beauty, but also for its potential health benefits attributed to its geographic location. In 1947, the U.S Department of the Interior published a list of places in the U.S. with satisfactory living conditions for people with asthma, and the Crest Community Twin District—along with the nearby communities of El Cajon, Wintergardens, and Alpine—was included on that list (Crest Historical Society 2019). It is likely a combination of factors that led to the slight increase in development during the 1950s, including national recognition of the area's potential climate-related health benefits, increased access to water through improved infrastructure, and the establishment of a local school (Crest Historical Society 2019).

Despite the town's growth over time, Crest remains a small community, with a population of 2,828 as of 2020 (United States Census Bureau 2020). While the region suffers from periodic wildfires that have destroyed many of the early buildings and features of the town, it retains much of its natural landscape and impressive views (Crest Historical Society 2019; *Life News* 1974).

4. METHODOLOGY

This section outlines the systematic approach employed for the cultural resources assessment of the Proposed Project. The methodology provided a structured framework for data collection, analytical approach and analysis.

4.1. CALIFORNIA HISTORICAL RESOURCES INFORMATION SYSTEM SEARCH

Cultural resources records and literature searches of documents and maps on file at the South Coastal Information Center (SCIC) were provided to ASM on December 20, 2024, and August 19, 2025 by SDG&E. An in-house records search was conducted by SDG&E, which has a quarterly subscription and agreement with the SCIC at San Diego State University, and it was provided to ASM. Current information available in the California Historical Resources Information System (CHRIS) Geographical Information System (GIS) inventory was examined for known and recorded sites and surveyed areas within the vicinity of the Proposed Project. The SCIC records search provided by SDG&E identified 165 studies and 133 cultural resources within a 1-mi. radius of the APE/API (see Appendix D). No NRHP/CRHR-eligible archaeological resources were previously identified in the VAA during the records search analysis while four built environment resources were previously determined for CRHR eligibility. See Section 4.3 for Archival Research for built environment resources. The following discusses the SCIC records search results.

The SCIC records search also identified four archaeological resources and one architectural resource that were previously found ineligible or destroyed. The four archaeological resources were previously identified and mitigated for during the Sunrise Powerlink Project (Kyle and Williams 2013). All were previously permanently altered by feature relocation and artifact collection during the development of portions of the Suncrest Substation property. They were not revisited during the current survey. The five resources are discussed below but are not considered further for the purposes of this study as they no longer qualify as cultural resources:

SDI-19036. This precontact site originally consisted of four bedrock milling features containing 23 milling slicks. The site was combined with SDI-19037 (a nearby bedrock milling and lithic scatter site to the north) into one larger site in 2009 and recommended eligible for the NRHP/CRHR under Criterion D/4. The site was graded and removed during construction for the Suncrest Substation, with milling outcrops containing features being relocated to an open space area east of the new substation (Kyle and Williams 2013).

SDI-19779. This is a historic-era can dump that was graded and removed during construction for the Suncrest Substation (Kyle and Williams 2013).

SDI-20239. This precontact site consisted of milling outcrops and an artifact scatter containing a whole unifacial granitic hand stone, unifacial granitic hand stone fragment, quartz core, and 81 pieces of quartz debitage. The site was graded and removed during construction for the Suncrest Substation, with milling outcrops containing features being relocated to an open space area east of the new substation (Kyle and Williams 2013).

P-37-031717. This precontact isolate is a singular biface fragment made from a fine-grained, dark grained volcanic material. The artifact was collected in the field and curated at Imperial Valley Desert Museum (Whitley and Williams 2010).

P-37-036512. This resource is TL 625, which was constructed as early as 1947. The transmission line is approximately 22 mi. long and was previously composed of wood posts carrying 69,000 and 12,000 voltage electricity through the CNF in San Diego County prior to a pole replacement project in 2017.

A cultural resource records and literature search of documents and maps on file with the CNF was requested from the CNF Heritage Program Manager at the Rancho Bernardo Supervisor's Office. The CNF Heritage Program Manager and Staff requested GIS for the APE/API and conducted a search of their files. Results were provided to ASM on June 5, 2025. ASM also scheduled an in-person records search with the CNF Heritage Program Manager on June 9, , to review undigitized documents and reports in their files. Previous reports cover 98.46 percent of the Project APE/API. The records search revealed one previously recorded resource and 14 previous surveys within the records search buffer. No additional cultural resources were revealed in the CNF records search that were not previously identified at the SCIC.

4.2. TRIBAL OUTREACH

ASM requested a Sacred Lands File Search for the Proposed Project area through the NAHC twice; once on August 30, 2024, during the initial scoping for the Proposed Project's potential routes and a second time on March 19, 2025, after the current Proposed Project route was selected. The NAHC's responses on November 7, 2024, and April 3, 2025, are included in Appendix A. The NAHC's responses indicated that known sacred sites are within the APE/API and included a list of 19 Tribal contacts to contact regarding the Proposed Project. ASM also researched traditional cultural locations and places in the APE/API using published information and archival sources (see Section 3.3 above). Of the documented traditional cultural locations in the larger Kumeyaay territory, none were identified within the APE/API according to the resources consulted.[6]

Requests for information were sent to the Tribal contacts indicated by the NAHC on March 19, 2025, and again on April 22, 2025. To date, ASM has received responses from the Viejas Band, Manzanita Band, Kwaaymii Laguna Band of Indians, Mesa Grande Band of Mission Indians, Ewiiaapaayp Band of Kumeyaay Indians, Campo Band of Diegueño Mission Indians, San Pasqual Band of Mission Indians, and Barona Group of the Capitan Grande. Copies of contact letters and responses are included in Appendix A.

Resource Management Director Ray Teran of the Viejas Band responded via email on March 20, 2025. Mr. Teran indicated the Proposed Project area has cultural ties to the Viejas Band and requested that a Kumeyaay Cultural Monitor be on site for ground-disturbing activities. While not explicitly requested by the Viejas Band, ASM requested Viejas monitors to participate in the Proposed Project surveys.

Chairwoman Angela Elliott-Santos of the Manzanita Band responded via email on March 25, 2025. Chairwoman Elliot-Santos acknowledged receipt of the request for information and stated that the Manzanita Band would like to participate in the Proposed Project. In a later phone conversation on April 22, 2025, between ASM Senior Archaeologist Terrence Luévano and Veronica Santos of the Manzanita Band, Ms. Santos requested that Manzanita Band monitors be included as a part of the Native American monitor rotation for the Proposed Project surveys.

On April 3, 2025, Chairwoman Carmen Lucas of the Kwaaymii Laguna Band of Indians responded by phone. Ms. Lucas stated that the Proposed Project is not within the Kwaaymii Area of Interest. She further recommended ASM contact the Viejas and Sycuan Bands since the Proposed Project was closer to their lands.

Chairman Eric LaChappa Sr. of the La Posta Band responded on April 22, 2025, expressing La Posta's interest in participating in the Proposed Project surveys. Cultural Coordinator Joe Silva also followed up with ASM to request further information about the Proposed Project surveys and coordinated La Posta Band's inclusion in the Native American monitor rotation for the surveys.

Mesa Grande Band of Mission Indians Cultural Chair Gabriel Kitchen responded via phone on April 22, 2025. Mr. Kitchen, after reviewing the project, inquired if the southern Kumeyaay Tribes had been contacted about the Proposed Project. Upon affirmation that they had, and that some had requested to be a part of the surveys, Mr. Kitchen informed ASM that the Mesa Grande Band would defer to the Viejas and Sycuan Bands for the Proposed Project.

[6] Du Bois 1901; Kroeber 1925, Plate 57; Lucas 1979; Cline 1979; Shackley 1981; Shipek 1987, 1991; Woods 1982

Chairman Robert Pinto and Vice Chairman Michael Garcia of the Ewiiaapaayp Band of Kumeyaay Indians individually responded via phone on April 22, 2025. Both the Chairman and Vice Chairman stated that the Ewiiaapaayp Band does not have concerns for the Proposed Project as it falls outside their Area of Interest on the reservation.

Campo Band of Diegueño Mission Indians Cultural Resource Manager Daniel Tsosie responded via phone on April 22, 2025, to inform ASM that a formal response would be forthcoming. The formal response was sent via email on April 22, 2025, in which Mr. Tsosie stated that the Campo Band wishes to be included in any CEQA and/or NEPA consultation for the Proposed Project. He further stated the Proposed Project is within Campo's ancestral Kumeyaay territory and requested inclusion in the Environmental Review process, citing a lack of collaboration previously to implement best practice preservation during the creation of the Suncrest Substation, which falls within the current Proposed Project area. Mr. Tsosie concluded with the Campo Band requesting meetings to determine what portions of the project would fall under CEQA or NEPA, requesting to schedule future site visits, and requesting to see any documentation regarding cultural resources within the APE. Shannon Foglia, SDG&E's Cultural Resources Team Lead, contacted Mr. Tsosie to request a meeting on October 2, 2025. To date, a meeting has not yet been scheduled between SDG&E and Campo.

Tribal Attorney Art Bunce of the Barona Group of the Capitan Grande of Mission Indians (Barona Band) responded via email on April 22, 2025. Mr. Bunce, on behalf of the Barona Band, expressed support for the cultural resource surveys for the Proposed Project. Mr. Bunce then acknowledged that the Proposed Project falls within the ancestral territory for the Viejas and Sycuan Bands, and that the Barona Band would defer to them and support whatever measures they deemed appropriate for the preservation of cultural resources.

4.3. ARCHIVAL RESEARCH

To develop the appropriate historic context from which to evaluate the properties in the APE/API, ASM Architectural Historian Emily Steele gathered primary and secondary sources including newspaper articles through research of archives at San Diego State University, El Cajon Public Library, online newspaper databases, and Ancestry.com. ASM also consulted historic maps and aerial photos to further understand the development of the Proposed Project area (Historicaerials.com). ASM contacted the City of El Cajon and the County of San Diego Planning Department to obtain building permits; however, the City does not retain building permits for parcels in the APE/API, and the County does not retain building permits prior to 1979. Due to the nature of this project, ASM was not able to request original building records from the San Diego County Assessor due to the requirement for owner consent to obtain those records. ASM contacted the El Cajon Historical Society to schedule a research appointment but was unable to utilize those archives because the historical society is only open for a brief window on Saturdays. The El Cajon Historical Society never responded to our inquiries to schedule an appointment outside of that time. They were likely to have general information about the history of El Cajon, but much of that information was able to be found through online resources.

4.4. ARCHAEOLOGICAL SURVEY

ASM's methodology included an intensive pedestrian survey of the physical portion of the APE/API and a desktop review of NRHP/CRHR-listed resources within the VAA portion of the APE/API. The initial strategy for the survey for the Proposed Project area was to survey systematic transects spaced 15 m (approximately 50 ft.) within the physical portion of the APE/API. However, opportunistic survey strategy was employed due to access challenges. Approximately 482 acres out of 627 total acres were surveyed within the physical portion APE/API for the Proposed Project, extending over approximately 15

linear mi. A survey coverage map is included in Appendix C. Previously surveys conducted by ASM in support of SDG&E powerline projects are listed in Table 1, and depicted on the survey coverage map along with the current survey effort in Appendix C. Approximately 146 acres were inaccessible due to obscurant vegetation, steep slopes where surficial deposits of resources were highly unlikely, or private land access restrictions (Appendix C). Intensive inventory was not possible in impenetrable brush fields or on steep slopes (30 percent or greater) due to accessibility and safety considerations. The survey strategy was informed by pre-field desktop analysis and research that identified steep slopes and verified with spot field inspections. Extremely steep slopes or areas that were inaccessible because of dense brush or ground cover were subjected to limited, focused survey, whenever possible. During survey, areas with slopes greater than 30 percent were opportunistically surveyed, and evidence of buried cultural deposits was opportunistically sought through inspection of natural or artificial erosional exposures and spoils from rodent burrows. The pedestrian surveys complied with the *Secretary of the Interior's Standards and Guidelines for Identification and Evaluation for Local Surveys* (Derry et al. 1985), Identification and Inventory Needs (USFS 2013:16), and informed by guidance found in the FSM 2360 (USFS 2008).

All precontact and historic-era sites and isolates, both new and previously recorded (if relocated), were recorded. Sites were defined as any concentration of three or more artifacts in a 25-m^2 area. Separate sites were recorded when artifact concentrations were separated by more than 50 m. Isolated artifacts were defined as fewer than three artifacts in a 25-m^2 area. Newly identified cultural resources were assigned a temporary site number by ASM in the field.

Site documentation included definition of site boundaries, features, and diagnostic artifacts. A detailed sketch map was prepared, showing the relationship of the site's location to topographic features and other landmarks. More detailed information on environmental context, artifact content and density, cultural affiliation, and function was recorded on the site forms. Department of Parks and Recreation (DPR) forms will be submitted to the SCIC for assignment of Primary and Trinomial site numbers. Each site was plotted on a 7.5-minute USGS topographic quadrangle, and UTM coordinates were recorded to accurately locate the resource and its relationship to the navigation points. Photographs were taken of each resource.

GPS data were collected for each archaeological site, feature, and isolate. The North American Datum of 1983 (NAD83) was used as the base coordinate system. A GIS application with sub-meter horizontal accuracy was used for site, artifact, and feature mapping.

New site forms or updates for existing site records were completed for each site. Standard DPR 523 forms were used. For new sites, one copy will be submitted to the SCIC by ASM for assignment of a Primary and/or a Trinomial site number. If the sites are located on Forest Service System lands, these site forms will be submitted to CNF by ASM for assignment of USFS site number designations. These numbers will be added to the site forms for reference.

No artifacts were collected during the surveys. The presence or absence of evidence for cultural materials or deposits was noted. Diagnostic artifacts were documented in the field (i.e., basic metrics of diagnostic artifacts or tools, location, description, photographs) and left on site. These were described and photo-documented on appropriate site forms.

Table 1. Previous Archaeological Surveys within APE/API of Proposed Transmission Line

Year	ASM Survey	Author and Report Citation	R5 Report Reference#
2009	Sunrise Power Link	Garcia-Herbst, Arleen, David R. Iversen, Don Laylander, and Brian Williams 2010; Final Inventory Report of the Cultural Resources Within the Approved San Diego Gas & Electric Sunrise Powerlink Final Environmentally Superior Southern Route, San Diego and Imperial Counties, California. Unpublished document on file at the South Coastal Information Center, San Diego State University, San Diego.	R2010050200109
2018	CNF PLRP - TL6957 NTP 12/ MPR 11	Williams, Brian, and Jennifer Roland 2018; Cultural Resources Review for the San Diego Gas & Electric (SDG&E) Cleveland National Forest (CNF) Powerline Replacement Projects, Transmission Line 6957, Notice to Proceed #12 and Minor Project Refinement #11 San Diego County, California (ASM Project #26400.01). On file at SDG&E, CNF, and ASM.	R201805020U007
2017	CNF PLRP - C157 NTP 14 Frye Yard	Williams, Brian and Jennifer Roland 2018; Cultural Resources Review for the San Diego Gas & Electric (SDG&E) Cleveland National Forest (CNF) Powerline Replacement Projects, Circuit 157, Notice to Proceed #14 and Minor Project Refinement #17, San Diego County, California (ASM Project #26400.01). On file at SDG&E, CNF, and ASM.	R20180520U017
2016	CNF PLRP - TL625B NTP 01	PLRP NTP 1, no associated report title.	R201605020U002
2010	CNF PLRP Baseline TL-625	Schaefer, Jerry, and Brian Williams 2011; Inventory, Evaluation and Treatment of Cultural Resources in the Cleveland National Forest Transmission and Distribution Line Increased Fire Safety Project in Support of the Proponent's Environmental Assessment (Revised 2013). On file at SDG&E, CNF and ASM.	R2015050200052
2009	TL625-Non Federal-Wood to Steel Cultural Resources Report	Garcia-Herbst, Arleen, Don Laylander, and Elizabeth Potter 2009; Inventory of the Cultural Resources along San Diego Gas & Electric Tie Line 625 on Non- Federal Property for the Wood to Steel Pole Replacement Project, San Diego County, California. On file at SDG&E, CNF, and ASM.	R2009050200092
2008	ASM-Hector-2008	Hector, Susan M., Carolyn Kyle, Drew Pallette, Delman James, and Steven Briggs 2009; Cultural Resource Support Phase II Project for Cleveland National Forest, San Diego County, California. ASM Affiliates. Survey completed in 2008. On file at SDG&E, CNF, and ASM.	R2007050200017

4.5. BUILT ENVIRONMENT SURVEY

Using the records search and archival analysis of architectural resources, an intensive pedestrian survey was conducted by two SOI-qualified architectural historians, supervised by ASM Director of Architectural History Shannon Davis. The pedestrian survey was conducted for the entirety of the physical portion of the APE/API, with a focused survey of historic addresses within the physical APE/API and VAA. Ten of the architectural resources surveyed were originally plotted within the Proposed Project, but after survey were remapped to be within the VAA. Multiple photographs were taken of the buildings to document each façade that was accessible. Digital field notes were taken noting the architectural characteristics of the buildings and their setting, especially noting views from and toward the Proposed Project area. There were three parcels that ASM could not access (either because access had not been granted to the parcel or locked gates prevented access). All architectural resources that could be accessed were evaluated for eligibility and/or potential effect. DPR updates were not prepared for the four previously determined-eligible resources, but their potential for effect was analyzed. In those instances, ASM conducted the survey from the public right-of-way or adjacent parcels wherever possible.

5. FINDINGS

Approximately 482 acres out of 627 total acres were surveyed within the physical portion of the APE/API for the Proposed Project. Approximately 146 acres (or 23 percent of the physical portion of the APE/API) were inaccessible due to obscurant, dense vegetation, steep slopes where surficial deposits of resources were highly unlikely, or private land access restrictions. All survey work was conducted in accordance with the California Office of Historic Preservation guidelines for archaeological documentation, and in compliance with NEPA of 1969, as amended (42 USC 4321 and 4331–4335); the NHPA of 1966, as amended (16 USC 470 et seq.); and the requirements set forth in Protection of Historic Properties (36 CFR 800), the implementing regulations of the NHPA. Surveys were conducted by ASM archaeologists and Kumeyaay Native American monitors from the La Posta Band, Manzanita Band, and Viejas Band.

Identification of Historical Resources and Historic Properties

ASM's investigation identified a total of 37 cultural resources: 23 resources in the physical portion of the APE/API (i.e., Proposed Project) and 14 in the VAA (Appendix B). Cultural resources in the physical portion of the APE/API include 11 archaeological sites, five isolated artifacts, and seven historic built environment structures. Cultural resources in the VAA portion of the APE/API include 14 historic built environment resources. Six of the archaeological sites were identified from the records search while five sites and the five isolated artifacts were identified during the archaeological survey. Six of the 11 archaeological sites and two isolates are precontact-era, four sites and three isolates are historic-era, and one site has multiple components. Until formally evaluated, it is recommended that all archaeological sites be treated as eligible with treatment measures designed to avoid potential impacts through Proposed Project redesign, archaeological monitoring, and additional treatments outlined in this chapter. No NRHP/CRHR-listed archaeological resources were identified within the records search analysis conducted for the VAA. Additionally, no TCRs or TCPs were identified during literature review and archival research within the APE/API.

ASM Architectural Historians conducted fieldwork and an assessment to survey and evaluate the built environment resources within the APE/API. Previously determined ineligible resources were not revisited for this effort. Seventeen newly recorded and four previously recorded historic built environment resources were identified in the APE/API. Fourteen built environment resources were fully evaluated for this effort, four were previously determined eligible, and three properties that were inaccessible are recommended to be treated as eligible. Seven of the newly recorded built environment resources are located within the physical portion of the APE/API, while 10 of the newly recorded built environment resources and all four previously recorded built environment resources were identified within the VAA portion of the APE/API. All structures are either on privately owned land or land owned by the Sweetwater Authority. No structures were identified on the portion of the APE/API that crosses USFS lands. One building at 19515 Japatul Road should be assessed for eligibility and potential effects once access is granted as it is within the Proposed Project footprint and there is a proposed work location adjacent to the building.

5.1. PREVIOUSLY RECORDED ARCHAEOLGICAL RESOURCES

The pedestrian survey identified or updated a total of 11 archaeological resources, including two previously recorded historic-era resources, three previously recorded precontact sites, and one previously recorded multiple component site, two newly recorded historic-era sites, three newly recorded precontact sites, and five isolates.

Descriptions of previously known resources within the APE/API for the Proposed Project that were identified during records searches are provided below.

SDI-5614. The site consists of the remnants of a turn-of-the-century wagon road constructed of stacked boulders that provide a retaining wall. The roadbed does not contain any rock fill. The roadway extends about 548 m in length and is about 4 m wide.

SDI-12106/SDI-12107. This is a multicomponent[7] archaeological site.. The site's historical features consist of rock walls, a cistern depression, a paved road, a concrete bridge foundation, and a faint, overgrown dirt road trace with an adjacent drainage or erosional ditch. Precontact resources include bedrock milling features (such as slicks, basins, and a saucer mortar), fine-grained metavolcanic and quartz flakes, a mano fragment, and a scraper. Several previously undocumented milling outcrops were noted near the historic component by previous recorders, though not formally recorded.

SDI-12108. This precontact site consists of an artifact scatter that includes fine-grained metavolcanic and felsite flakes, quartz flakes, granite and quartzite mano fragments, a scraper, a pottery sherd, a reworked quartzite flake, a metavolcanic depleted core, and a nearly complete granitic hand stone.

SDI-12109. This precontact site consists of an artifact scatter that includes metavolcanic flakes and debitage, quartz flakes, volcanic interior flakes, volcanic shatter, and granitic hand stone fragments. During assessments in 2010 and 2016 related to facility replacements along TL 625, most artifacts were found clustered west of the originally recorded site boundary, near a graded dirt access road, while no cultural materials were observed within the original site limits.

SDI-12110. The site contains a precontact artifact scatter that includes metavolcanic flakes and debitage (one possibly fire-tempered), quartz flakes, a quartz core, a quartz crystal, a chalcedony flake, a hammerstone, granitic hand stone fragments, a complete hand stone, and a bifacial hand stone fragment. A possible rock ring feature composed of fire-affected stones also was documented, with some artifacts found within or near its alignment. Most artifacts were found within a graded transmission line roadway.

P-37-031212. The historic-era site consists of two rock cairns, both with large boulders at the base and two smaller boulders stacked on top. The rock cairns make a "gateway" along an east-west line.

5.2. IDENTIFIED / UPDATED ARCHAEOLOGICAL RESOURCES

The pedestrian survey identified or updated a total of 11 archaeological sites, including two previously recorded historic-era resources, three previously recorded precontact sites, one multiple component site, three newly recorded historic-era sites, and two newly recorded precontact sites (Table 2). The multicomponent site's precontact component is predominately bedrock milling features and a large lithic scatter, while the historic component includes rock walls, cisterns, a paved road, and a concrete bridge foundation with associated refuse materials. Precontact sites consisted of one bedrock milling site, three large lithic assemblage sites, and two sparse lithic scatter sites. Historic-era sites consisted of a relocated wagon road, two historic rock cairns, an asphalt road alignment, and the remnants of a rock dam.

[7] A multicomponent site is an archaeological site that contains evidence of human activity from multiple distinct time periods, or from the precontact and historical eras.

The pedestrian survey also identified three historic-era isolates (a historic car chassis, an SDG&E geodetic survey marker, and a tin flask in poor condition) and two precontact isolates (two brownware body sherds and a singular fine-grained volcanic interior flake) (Table 3).

These confidential resources were documented on DPR 523 forms and can be found in Appendix E.

Table 2. Archaeological Sites Identified within APE/API of Proposed Transmission Line

Site/Isolate Designation	USGS Quad	Temporal Affiliation	NRHP/ CRHR Status	Previously Identified
CA-SDI-5614	Viejas Mountain	Historic-era	Unevaluated	Yes
CA-SDI-12106/12107	Viejas Mountain	Multicomponent	Unevaluated	Yes
CA-SDI-12108	Alpine	Precontact	Unevaluated	Yes
CA-SDI-12109	Alpine	Precontact	Unevaluated	Yes
CA-SDI-12110	Alpine	Precontact	Unevaluated	Yes
P-37-031212/ FS#05025401574	Viejas Mountain	Historic-era	Unevaluated	Yes
SX-SCR-S-1	Viejas Mountain	Precontact	Unevaluated	No
SX-SCR-S-3	Viejas Mountain	Historic-era	Unevaluated	No
SX-SCR-S-4	Viejas Mountain	Precontact	Unevaluated	No
SX-SCR-S-5H	Viejas Mountain	Historic-era	Unevaluated	No
SX-SCR-S-13	Viejas Mountain	Precontact	Unevaluated	No

Table 3. Isolates Identified within APE/API of Proposed Transmission Line

Site/Isolate Designation	USGS Quad	Description	NRHP/ CRHR Status	Previously Identified
SX-SCR-ADS-A1	Viejas Mountain	Precontact isolate	Not NRHP/CRHR eligible	No
SX-SCR-ISO-5	Viejas Mountain	Precontact isolate	Not NRHP/CRHR eligible	No
SX-SCR-LT-H1	Viejas Mountain	Historic-era isolate	Not NRHP/CRHR eligible	No
SX-SCR-LT-H2	Viejas Mountain	Historic-era isolate	Not NRHP/CRHR eligible	No
SX-SCR-LT-H3	Viejas Mountain	Historic-era isolate	Not NRHP/CRHR eligible	No

5.3 IDENTIFIED / UPDATED ARCHAEOLOGICAL RESOURCE DESCRIPTIONS

The following descriptions are updates to previously known sites or newly documented archaeological sites encountered by ASM during surveys for the Proposed Project.

SDI-5614. During ASM's survey a portion of the stacked retaining wall was identified within the survey corridor, northeast of the currently established site boundary and heavily covered by vegetation. ASM recorded the new portion and updated the site boundary.

SDI-12106/12107. Intensive survey was performed over a broad (90-m-wide) swath of the recorded site encompassing most of the central area. ASM documented a total of 32 bedrock milling features, including detailed dimensional information and expanded the site area approximately 60 m to the west. Submeter GPS recording was performed for all features within the corridor, including newly identified sections of a historic rock wall, a concrete water trough, numerous precontact formed artifacts, an artifact concentration located on the northern edge of the site, and a single brownware body sherd.

SDI-12108. A single fine-grained volcanic interior flake was observed within the access road bisecting the site. Artifacts were not identified outside of the access road due to extremely dense vegetation obscuring the site.

SDI-12109. Four fine-grained volcanic interior flakes were identified during this visit, both within the expanded western site boundary and the original site boundary. ASM updated the overall site boundary to link together the two previous site boundaries for SDI-12109 on file with the SCIC. Much like in 2010 and 2016, dense vegetation limited visibility for the survey.

SDI-12110. Over 50 artifacts were identified within the established boundaries during the resurvey for the Proposed Project, consisting of volcanic flakes and shatter, percussing tools or tool fragments, multiple formed artifacts, and an unidentifiable bone fragment. The ground surface visibility at the site, outside of the road area, was limited due to dense vegetation that restricted both visibility and accessibility. Disturbances to SDI-12110 include erosion and road grading activities.

P-37-031212. Both cairns were relocated during the survey for the Proposed Project. The western cairn appears to be in the same condition as documented in 2009. The current survey noted that the eastern cairn has been knocked over onto the ground.

SX-SCR-S-1. This site is a precontact lithic scatter, measuring approximately 35 m long and 19 m wide, identified during the Proposed Project surveys. The site includes six volcanic interior flakes, two of which were refitted; a late-stage thinning porphyritic interior flake; a unifacial tool measuring 3.5 centimeters (cm) by 2.4 cm by 1.5 cm; two hammerstones, one made of quartzite measuring 8.5 cm by 6.3 cm by 5.5 cm with some core type removal; an additional porphyritic interior flake; and one piece of amygdaloidal volcanic shatter.

SX-SCR-S-3. This site is a historic-era remnant of the 1939 alignment of Tavern Road, measuring approximately 90 ft. in length and roughly 10 to 12 ft. wide. The remnant consists of a thin, single layer of asphalt, indicating its former use as a roadway. Further investigation suggests that there may be an extension of this old road beyond the visible asphalt. A road cut, which appears to extend further northwest without any asphalt cover, seems to continue along what could be the original alignment.

SX-SCR-S-4. This site is a precontact lithic scatter measuring roughly 3 m by 3 m and located just south of a cut or graded section of a farm road. In the vicinity, there are residential structures situated to the north and west. Overall, the site presents a possible modest potential deposit of lithic debitage, with some uncertainty regarding the nature of certain small gravel-like deposits. Within this area, there are approximately 10 pieces of possible debitage. Among these, at least four of the pieces are very small and could potentially be classified as micro-flakes. However, the overall context is somewhat uncertain, as some of the small gravel-like materials present make it challenging to definitively determine their

archaeological validity. The Native American Monitor expressed the opinion that these small fragments should still be recorded, despite the ambiguity surrounding their authenticity.

SX-SCR-S-5H. This site is a historic-era dam remnant identified during the Proposed Project surveys. The dam is 17 stacked stones of sub-angular granitic rock local to the area measuring 8.5 ft. long, 2 ft. wide, and 1.5 ft. tall. The rock dam remnant runs north-south across a small east-west drainage and rocks are loosely stacked two courses high.

SX-SCR-S-13. This site, measuring approximately 2.8 m long and 2.7 m wide, is a precontact bedrock milling feature consisting of a single milling slick measuring approximately 22 cm by 19 cm. The milling surface is situated on a granitic outcrop that appears to be in poor condition, showing visible signs of fire-related damage such as spalling and surface degradation.

SX-SCR-ADS-A1. This isolate is a singular precontact fine-grained volcanic interior flake. The isolate artifact measures approximately 2.25 cm long and 0.75 cm wide.

SX-SCR-ISO-5. This isolate consists of two precontact brownware pottery sherds. The larger sherd measures approximately 2.5 cm long and 2.5 cm wide, while the smaller sherd measures approximately 2 cm long and 1 cm wide.

SX-SCR-LT-H1. This isolate is the remains of an historic-era car chassis deposited at an unknown date and observed during the Proposed Project surveys. Due to its location in a drainage surrounded by poison oak, further assessment of the car could not be safely performed to determine the extent of the resource.

SX-SCR-LT-H2. This isolate is a historic-era 1955 SDG&E geodetic survey marker observed during the Proposed Project surveys. Geodetic survey markers are essential control points used in surveying and mapping to provide accurate, reliable measurements of the Earth's surface.

SX-SCR-LT-H3. This isolate is a historic-era tin flask in poor condition. The flask measures 5.75 inches (in.) by 3.5 in. by 1.25 in.

5.4. BUILT ENVIRONMENT RESOURCES

Five built environment historic properties have been previously identified within the VAA of the APE/API. They were not reevaluated for this effort but were assessed for the potential of adverse effects to their contributing elements. Seventeen buildings were newly identified in the built environment survey area (physical and VAA portions of the APE/API) that required evaluation due to their age of construction (more than 45 years ago) and within 100 ft. (approximately 30 m) of the Proposed Project workspaces and structures. Site-specific histories for each property and architectural descriptions are provided below. NRHP/CRHR evaluations are provided in Section 5.5. DPR site record forms can be found in Appendix F.

5.4.1 Built Environment Resources Identified in the VAA

The section provides a summary of built environment resources within the VAA for the Proposed Project.

1998 Valley Rim Road (P-37-017705). The building at 1998 Valley Rim Road was identified in 1985 as a historical resource for its architectural significance. The building's historic and common name is the Peterson House. The house was originally located on 10 acres of land, but one of the owners, Ruth Peterson, sold some of the land. The house now sits on 2 acres of densely forested land in eastern El

Cajon. While the architect and builder are unknown, it is a one-story Shingle style house estimated to have been originally constructed in 1914. The house has wooden shingle siding and a cross-gable roof with exposed rafter ends. There is an exterior brick chimney on its primary façade. There is a ground level basement room with entry to the front and a cement staircase leading to the front door.

2049 Vista Valley Rim Place (P-37-017715). The building at 2049 Vista Valley Rim Place was identified in 1985 as a historical resource for its architectural significance. The building's historic name is the O.B. Wetzell Residence, and the common name is the Lois Strong Home. It is a two-and-a-half story home originally constructed in 1914. While the architect and builder are not confirmed, the house was likely designed and constructed by the original owner, John Ferrell. The house sits on a heavily wooded hillside in eastern El Cajon. It is representative of Shingle style, which was popular in the period prior to World War I. The house has a complex, steep gable roof with eaves and carved rafter ends. Other features include wide, overlapping, wooden siding and several types of windows: double hung with multiple panes in the upper sashes, at least one angled bay window, large fixed panes, and one louver replacement. There is a two-story addition on the right side.

6228 Dehesa Road. The building at 6228 Dehesa Road was identified as a historic address by the SCIC; however, no DPR form was provided nor reference to a report with which the prior survey was associated. ASM assumes it was previously identified as an architecturally significant property.

204 W. Park Boulevard (P-37-017637). The building at 204 W. Park Boulevard was identified in 1985 as a historical resource for its architectural significance. The building's historic name is the Ross-Snyder House, and its common name is the Snyder House. The house sits on Lot 18 in El Cajon. It was originally purchased by Joseph A. and Florence Synder in 1921. Tax assessor records document that a building was added to the lot in 1922 and improvements were made in 1929. While the original architect and builder are unknown, it was likely constructed in 1922. The house is a one-story bungalow with Craftsman style elements. The house has horizontal wood panel siding that flares at the foundation and a low pitched front-gable roof. Other characteristics of the building include double hung windows and an exterior brick chimney.

5.4.2 Surveyed Resources

19785 Japatul Road, Alpine. 19785 Japatul Road is a single-family residence constructed in 1970 that continues to serve its original function. Prior to construction, the area was largely undeveloped as evidenced on historic aerial photographs (Historicaerials.com 1954, 1964). By 1968, one small road/driveway leading to 19785 Japatul Road had been constructed (Historicaerials.com 1968). In 1970, the residential building was constructed, confirmed by comparison of 1968 and 1985 historic aerial photographs which illustrate that the current footprint matches that on the 1985 aerial photograph (Historicaerials.com 1968, 1985, 2022; San Diego County Assessor n.d.). Only minor changes have occurred on the parcel since 1985. An auxiliary building was added, slightly northwest of the main house, sometime before 1990, and trees and plants adjacent to the house have matured (Historicaerials.com 1985, 1990, 2022). No building permits are extant for 19785 Japatul Road, and no additional site-specific history was uncovered through archival research. During the survey, this property was not accessible as a locked gate prohibited access and the building was not visible from the portion of the property ASM was able to access from the public right-of-way.

19509 Japatul Road, Alpine. 19509 Japatul Road is a single-family residence with an associated garage constructed in 1971 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced in historic aerial photographs (Historicaerials.com 1953, 1964). By 1964, a small road/driveway leading from Japatul Road had been constructed (Historicaerials.com 1968). In 1971, the single-family residence and a detached garage were constructed, confirmed by comparison of 1968

and 1985 historic aerial photographs which illustrate that the current footprint matches that on the 1985 aerial photograph (Historicaerials.com 1968, 1985, 2022; San Diego County Assessor n.d.). Only minor changes have occurred to the parcel since the 1970s; a barn was added to the property circa 2005, northeast of the main house (Historicaerials.com 1985, 2005). No building permits are extant for 19509 Japatul Road, and no additional site-specific history was uncovered through archival research. 19509 Japatul Road, constructed in 1971, is a single-story, rectangular plan building with board and batten wood siding. The side gable roof is clad in standing seam metal with wide eaves that extend over the north and south facades. The primary, north façade is characterized by a wooden front door that is covered by a screen door, three horizontal sliding rectangular vinyl windows, and one large, fixed square vinyl window. The west and east façades have no doors, but the west façade has six fixed rectangular vinyl windows, while the east façade has two fixed rectangular vinyl windows. The south façade has a single glass door, a sliding glass door, and two rectangular horizontal sliding vinyl windows. There is also a wooden deck extending from the south façade. Alterations have been made to the building including the replacement of the original windows and changes to the roof cladding.

19515 Japatul Road, Alpine. 19515 Japatul Road is a single-family residence constructed in 1973 that continues to serve its original function. Prior to construction, the area was largely undeveloped as evidenced on historic aerial photographs (Historicaerials.com 1953, 1964). By 1968, one small road leading to 19515 Japatul Road had been constructed (Historicaerials.com 1968). In 1973, the single-family residence was constructed, confirmed by comparison of 1968 and 1985 historic aerial photographs which illustrate that the current footprint matches that on the 1985 aerial photograph (Historicaerials.com 1968, 1985, 2022; San Diego County Assessor n.d.). A smaller building was added to the property circa 2005, south of the main house (Historicaerials.com 1985, 2005). No building permits are extant for 19515 Japatul Road, and no additional site-specific history was uncovered through archival research. This property was not accessible as the owner has not granted permission to enter the parcel, and the building was only partially visible from an adjacent parcel to which access was granted. Photographs found on a real-estate website from the house's last sale in 2023 were utilized for this description (Zillow 2025). The building at 19515 Japatul Road, constructed in 1973, is a rectangular plan building influenced by southern California's Spanish Colonial Revival and Ranch styles. The building has rough patterned stucco siding and a front gable roof clad in terra cotta tiles. Characteristics of the building include horizontal sliding aluminum-frame windows with wooden shutters, narrow eaves, and a sliding glass door. Major changes to the building include an addition added to the south façade.

1356 Real Way, Alpine. 1356 Real Way is a single-family residence constructed in 1935 that continues to serve its original function. For several decades, the area was largely undeveloped (Historicaerials.com 1953, 1964). The extant building was originally constructed in 1935 (San Diego County Assessor n.d.). Comparison of 1968 and 1985 historic aerial photographs to the current building illustrate that the footprint matches that on the 1985 aerial photograph (Historicaerials.com 1968, 1985, 2022). An ancillary building was constructed on the property sometime between 1953 and 1964 but was removed prior to 1986. A third building was constructed between 1985 and 1986 (Historiaerials.com 1985, 1986). No building permits are extant for 1356 Real Way, and no additional site-specific history was uncovered through archival research. The building at 1356 Real Way, constructed in 1935, is a single-story, rectangular plan Spanish Colonial Revival style building. The building has smooth stucco siding and a side gable roof clad in terra cotta tiles. The primary, west façade is characterized by a wooden door, two horizontal sliding wood-framed windows, and a large stone chimney. The south façade is defined by double glass doors and a small horizontal sliding wood-framed window. The east façade has no doors and two horizontal sliding wood-framed windows. The north façade also has no doors but two horizontal sliding wood-framed windows. Significant alterations have been made to the building since its original construction, including new stucco siding, and new windows and doors.

7701 Dehesa Road, Alpine. 7701 Dehesa Road is a single-family residence constructed in 1945 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953). The surrounding area experienced residential development in the 1960s (Historicaerials.com 1964). Only minor changes have occurred on the parcel since the 1960s, such as changes to vegetation (Historicaerials.com 1964, 1985, 2022). No building permits are extant for 7701 Dehesa Road, and no additional site-specific history was uncovered through archival research. This property was not accessible as a locked gate prohibited access, and the building was not visible from the portion of the property ASM was able to access or from the public right-of-way.

518 Mountain View Road, El Cajon. 518 Mountain View Road is a single-family residence constructed in 1976 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953). Residential development was occurring in the surrounding area by the 1960s. In 1976, the single-family residence was constructed, as confirmed by comparison of 1968 and 1985 historic aerial photographs which illustrate that the current footprint matches that on the 1985 aerial photograph (Historicaerials.com 1964, 1968, 1971, 1978; San Diego County Assessor n.d.). Most of the houses in the neighborhood were constructed by 1985, with few changes being made to the area since then (Historicaerials.com 1985, 2022). No building permits are extant for 518 Mountain View Road, and no additional site-specific history was uncovered through archival research. The building at 518 Mountain View Road, constructed in 1976, is a single-story, rectangular plan building with rough stucco and stone siding. The front gable roof is clad in asphalt shingles and has wide eaves. The primary, east façade is characterized by a vinyl rolling garage door, a wooden front door, and two vinyl vertical sliding windows. The north façade is defined by a series of six horizontal sliding vinyl windows, and the south façade is defined by a sliding glass door and four horizontal sliding vinyl glass windows. The west façade was not accessible or visible for the survey. The original windows have likely all been replaced and an addition added to the east façade, which is now the garage.

122 Mountain View Road, El Cajon. 122 Mountain View Road is a single-family residence constructed in 1953 that continues to serve its original function. The building is one of only a few in the surrounding area that appears on the 1953 historic aerial photograph (Historicaerials.com 1953). The rectangular building remains in its same location with the same building footprint, but the neighborhood has changed with many houses being constructed throughout the 1970s (Historicaerials.com 1971, 1978, 2022). No building permits are extant for 122 Mountain View Road, and no additional site-specific history was uncovered through archival research. The building at 122 Mountain View Road, constructed in 1953, is a single-story, rectangular plan building with smooth stucco and brick siding. The front gable roof is clad in asphalt shingles and has wide eaves. The primary, east façade is characterized by a single door with a metal screen on it, three vinyl vertical sliding windows, a brick chimney, and a covered porch. The south façade features four vinyl vertical sliding windows, and the north façade has a small garage addition. The addition has a vinyl rolling garage door with no other fenestration. The west façade was not accessible or visible for the survey. Major alterations to the building include the construction of the addition and replacement of the original windows.

1090 La Cresta Boulevard, El Cajon. 1090 La Cresta Boulevard is a single-family residence constructed in 1954 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953). In 1954, the single-family residence was constructed, confirmed by comparison of 1953 and 1964 historic aerial photographs which illustrate that the current footprint matches that on the 1964 aerial photograph (Historicaerials.com 1953, 1964, 2022; San Diego County Assessor n.d.). The neighborhood has changed with many houses being constructed throughout the 1970s (Historicaerials.com 1971, 1978, 2022). No building permits are extant for 1090 La Cresta Boulevard, and no additional site-specific history was uncovered through

archival research. 1090 La Cresta Boulevard, constructed in 1954, is a rectangular plan, two-story building with smooth stucco siding. It has a side gable roof clad in asphalt shingles. The primary, west façade is characterized by a single door covered by a metal screen door, a brick chimney, and two wood-frame windows that appear to be original but are covered by metal bars. The south façade is defined by two wood-frame windows and two rolling garage doors while the north façade has two small wood-frame windows covered by metal bars. The east façade was not accessible or visible for the survey. There do not appear to be any major alterations to the building.

1093 La Cresta Boulevard, El Cajon. 1093 La Cresta Boulevard is a single-family residence constructed in 1952 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial (Historicerials.com 1953, 1968). In 1952, the single-family residence was constructed. The building remains today in its same location, but the footprint changed with the construction of an addition sometime between 2010 and 2012 (Historicaerials.com 1968, 2010, 2012). The neighborhood has changed since the building's original construction with residential development throughout the 1970s (Historicaerials.com 1971, 1978, 2022). No building permits are extant for 1093 La Cresta Boulevard, and no additional site-specific history was uncovered through archival research. The building at 1093 La Cresta Boulevard, constructed in 1952, is a single-story rectangular plan building with smooth stucco siding. It has a side gable roof clad in asphalt shingles. The primary, east façade is defined by a single front door covered in a metal screen door, a wood-frame double door, and two large horizontal sliding vinyl windows. The south façade has one horizontal sliding vinyl framed window and a brick chimney. The north façade has two horizontal sliding vinyl-framed windows and no doors. The west façade was not accessible or visible for the survey. Major alterations to the building include the replacement of the original windows.

115 La Cresta Road, El Cajon. 115 La Cresta Road is a single-family residence constructed in 1935 that continues to serve its original function. The small rectangular building is one of only a few in the surrounding area that appears on the 1953 historic aerial photograph (Historicaerials.com 1953). An addition was constructed to the southeast corner of the building sometime prior to 1964 (Historicaerials.com 1953, 1964). Since 1964, there have been no major changes on the parcel, but the surrounding area experienced residential development throughout the 1970s (Historicaerials.com 1971, 1978, 2022). No building permits are extant for 115 La Cresta Road, and no additional site-specific history was uncovered through archival research. The building at 115 La Cresta Road, constructed in 1935, is a single-story rectangular plan building with horizontal wood-panel siding. It has a front gable roof clad in asphalt shingles and wide eaves on the west façade. The primary, north façade has a single wooden door covered by a metal screen door and a small, fixed aluminum-frame window with decorative wooden shutters. The west façade is characterized by two sliding glass doors, a large, fixed wood-framed window, and a wooden deck that extends from it. The south façade is defined by another sliding glass door and three horizontal sliding aluminum-framed windows with an addition. The east façade was not accessible or visible for the survey. Major alterations to the building include an addition that extends from the south façade.

128 La Cresta Road, El Cajon. 128 La Cresta Road is a commercial building constructed in 1952 that continues to serve its original function as a car repair business. The small rectangular building is one of only a few in the surrounding area that appears on the 1953 historic aerial photograph (Historicaerials.com 1953). Soon after opening, "Alexander's Automotive Service" was advertising their services at this location (*San Diego Union* 1952). An addition was constructed to the southeast corner of the building sometime between 1999 and 2000 (Historicaerials.com 1999, 2000). Since 1953, there have been no other major changes to the parcel, but the surrounding area experienced residential development throughout the 1970s (Historicaerials.com 1971, 1978, 2022). No building permits are extant for 128 La Cresta Road, and no additional site-specific history was uncovered through archival research. The building at 128 La Cresta Road, constructed in 1952, is a single-story, L-shaped building constructed

from CMU blocks. The building has a flat roof and limited fenestration. The primary, north façade is characterized by two large rolling metal garage doors and a single glass door. The east and west façades have no windows or doors. The south façade is defined by two more large rolling metal garage doors and an addition with a horizontal sliding aluminum-framed window. The most significant alteration appears to be the addition to the south façade.

141 Sage Road, El Cajon. 141 Sage Road is a single-family residence constructed in 1976 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953, 1968). In 1976, the single-family residence was constructed, confirmed by comparison of 1971 and 1978 historic aerial photographs which illustrate that the current footprint matches that on the 1978 aerial photograph (Historicaerials.com 1971, 1978, 2022; San Diego County Assessor n.d.). Since 1978, there have been no major changes to the parcel, but the surrounding area experienced residential development throughout the 1980s (Historicaerials.com 1981, 1988, 2022). No building permits are extant for 141 Sage Road, and no additional site-specific history was uncovered through archival research. The building at 141 Sage Road, constructed in 1976, is a single-story rectangular building with horizontal wood siding. The building has a side gable roof clad in asphalt shingles with narrow eaves. The primary, east façade is characterized by a recessed entryway, and a series of five horizontal sliding vinyl windows. The north façade has three sliding glass doors while the south façade has no windows or doors. The west façade is defined by a wooden single door. Alterations to the building include the replacement of all original windows.

235 La Cresta Road, El Cajon. 235 La Cresta Road is a single-family residence constructed in 1955 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953, 1964). In 1955, the single-family residence was constructed, confirmed by comparison of 1953 and 1964 historic aerial photographs which illustrate that the current footprint matches that on the 1964 aerial photograph (Historicaerials.com 1953, 1964, 2022; San Diego County Assessor n.d.). Since 1964, there have been no major changes to the parcel, aside from the addition of two ancillary buildings in the 1980s (Historicaerials.com 1981, 1988). The neighborhood has changed with residential development throughout the 1970s (Historicaerials.com 1971, 1978, 2022). No building permits are extant for 235 La Cresta Road, and no additional site-specific history was uncovered through archival research. 235 La Cresta Road, constructed in 1955, is a single-story rectangular building with rough stucco siding. The building has a shed roof clad in asphalt shingles with wide eaves. The primary, north façade is characterized by two single wooden doors, one of which is covered by a metal screen door, and a horizontal sliding vinyl window. The east façade has one small horizontal sliding vinyl window. The south façade has four horizontal sliding vinyl windows and a brick chimney. The west façade has a single metal door and four horizontal sliding vinyl windows. Major alterations include a small addition to the south façade and replacement of all the original windows.

248 La Cresta Road, El Cajon. 248 La Cresta Road is a single-family residence constructed in 1978 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953, 1964). In 1978, a rectangular building matching the footprint of the current residence was constructed on the property (Historicaerials.com 1978, 2022; San Diego County Assessor n.d.). Since 1978, there have been no major changes to the parcel. The neighborhood has changed with residential development throughout the 1980s (Historicaerials.com 1981, 1988, 2022). No building permits are extant for 248 La Cresta Road, and no additional site-specific history was uncovered through archival research. The building at 248 La Cresta Road, constructed in 1978, is a single-story rectangular building with vertical panel wood siding. The building has a side gable roof with wide eaves and asphalt shingles. The primary, west façade is characterized by a recessed entryway and three horizontal sliding vinyl windows. The south façade has no windows but a single glass door. The east façade is defined by a single door, a sliding glass door, and one horizontal sliding vinyl

window. The north façade has a metal rolling garage door. Alterations include replacement of all original windows.

367 La Cresta Road, El Cajon. 367 La Cresta Road is a single-family residence constructed in 1975 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953, 1964). In 1975, the single-family residence was constructed, confirmed by comparison of 1971 and 1978 historic aerial photographs which illustrate that the current footprint matches that on the 1978 aerial photograph (Historicaerials.com 1971, 1978, 2022; San Diego County Assessor n.d.). Between 1978 and 1981, a guest house and pool were added to the property, but no other major changes have occurred to the parcel (Historicaerials.com 1978, 1981). The neighborhood has changed with residential development throughout the 1980s (Historicaerials.com 1981, 1988, 2022). No building permits are extant for 367 La Cresta Road, and no additional site-specific history was uncovered through archival research. The building at 367 La Cresta Road, constructed in 1975, is a single-story L-shaped building with horizontal wood panel siding. The building has a cross-gable roof clad in asphalt shingles with wide eaves. The primary, south façade is characterized by a recessed entryway, a single door covered by a screen door, four-sash vinyl windows, and a brick chimney. The east façade has two fixed wooden windows. The north façade is defined by a variety of windows including two fixed wooden and three sash windows. The west façade has four horizontal sliding vinyl windows and a wooden single door. The building has undergone limited alterations, the most notable being the replacement of some of the windows.

2934 La Cresta Road, El Cajon. 2934 La Cresta Road is a single-family residence constructed in 1979 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953, 1964). In 1979, the single-family residence was constructed, confirmed by comparison of 1978 and 1981 historic aerial photographs which illustrate that the current footprint matches that on the 1981 aerial photograph (Historicaerials.com 1978, 1981, 2022; San Diego County Assessor n.d.). Since 1981, there have been no major changes to the parcel, but residential development in the neighborhood continued throughout the 1980s (Historicaerials.com 1981, 1988, 2022). No building permits are extant for 2934 La Cresta Road, and no additional site-specific history was uncovered through archival research. The building at 2934 La Cresta Road, constructed in 1979, is a single-story rectangular building with horizontal panel vinyl siding. The building has a side gable roof with narrow eaves and asphalt shingles. The primary, south façade is characterized by three vertical sliding vinyl windows and a wooden single door. The east and west façades each have two vertical sliding vinyl windows. The north façade has a single wooden door and three vertical sliding vinyl windows. No alterations appear to have been made to the building since its original construction.

4980 La Cresta Road, El Cajon. 4980 La Cresta Road contains two single-family residences constructed in 1963 that continue to serve their original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953, 1964). Since 1964, there have been no major changes to the parcel, but residential development in the neighborhood continued throughout the 1980s (Historicaerials.com 1981, 1988, 2022). No building permits are extant for 4980 La Cresta Road, and no additional site-specific history was uncovered through archival research. The building at 4980 La Cresta Road, constructed in 1963, is a single-story rectangular plan building with smooth stucco siding. The building has a front gable roof with narrow eaves and asphalt shingles. The primary, west façade is defined by a horizontal sliding vinyl window, a vertical sliding vinyl, and a single wooden door. The south façade has three horizontal sliding vinyl windows, while the north façade has three horizontal sliding vinyl windows and a single wooden door. The east façade has one horizontal sliding vinyl window. Alterations to the building include replacement of all original windows.

5.5. SIGNIFICANCE EVALUATIONS

5.5.1 Archaeological Evaluations

No archaeological sites have been formally evaluated under CRHR criteria (see Sections 2.1 and 6.4.2) or NRHP criteria (Section 2.5) as part of this effort. Prior to final design and construction, the applicant should confirm that a qualified archaeologist conducts supplemental surveys in any uninspected areas. The results of the supplemental surveys will provide the necessary data to evaluate the significance of any additional archaeological resources identified under CRHR and NRHP criteria and guide appropriate treatment and management recommendations.

Through the evaluation process in accordance with both the NHPA and CEQA Guidelines, it is recommended that 11 of the 16 archaeological resources be treated as eligible to the NRHP and the CRHR for the purpose of Proposed Project only and fully avoided. These 11 resources may exhibit significant characteristics to be potentially eligible as historic properties and historical resources, respectively, and further research is required if the resource would be impacted by the Proposed Project.

5.5.2 Built Environment Resource Evaluations

19785 Japatul Road, Alpine

ASM carefully considered whether 19785 Japatul Road is individually eligible under NRHP, CRHR, or RPO criteria. ASM was not able to survey 19785 Japatul Road. Based on the limited information uncovered about the property, 19785 Japatul Road is unlikely to be eligible for association with locally significant themes of Agriculture, Recreation, and Community Development, under NRHP, CRHR, or RPO criteria A/1/1, B/2/2, or D/4/4. Based on historic aerial images, it is assumed to be a small vernacular building with a rectangular floor plan. Because ASM was not able to survey this property, 19785 Japatul Road is assumed eligible under NRHP/CRHR/RPO criteria C/3/3 solely for the purposes of the Proposed Project to be able to assess the potential for effects.

19509 Japatul Road, Alpine

ASM carefully considered whether 19509 Japatul Road is individually eligible under NRHP, CRHR, or RPO criteria. ASM considered the significance of the building at 19509 Japatul Road within the locally significant themes of Agriculture, Recreation, Community Development, and Architecture during the mid- to late twentieth century. Under NRHP/CRHR/RPO criteria A/1/1, the residence was not associated with recreation or agricultural production in Alpine or San Diego County so it cannot represent those themes. 19509 Japatul Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1971, when the house was constructed, and ending in 1980, reflecting Alpine's largest increase in development. However, this individual building is not a good representation of the broad theme of community development, nor are, in comparison, the numerous other residences constructed in Alpine in the 1970s. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 19509 Japatul Road has not made a significant individual contribution to the broad patterns of local history, specifically Community Development in Alpine or San Diego County, and therefore is recommended not eligible for NRHP/CRHR/RPO criteria A/1/1.

The building at 19509 Japatul Road is recommended not eligible under NRHP/CRHR/RPO criteria B/2/2. Historic research conducted through historic newspaper archives, Ancestry.com, and public records did not reveal any significant people associated with the property.

The vernacular building at 19509 Japatul Road was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. The building has been highly altered since its original construction. Alterations and additions to the building after 1975 have resulted in a building that lacks distinctive characteristics of a type, period, or method of construction. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 19509 Japatul Road is recommended not eligible for the NRHP under NRHP/CRHR/RPO criteria C/3/3 and 4.

Lastly, the building at 19509 Japatul Road is recommended not eligible under NRHP Criterion D or CRHR Criterion 4 as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

19515 Japatul Road, Alpine

ASM carefully considered whether 19515 Japatul Road is individually eligible under NRHP, CRHR, or RPO criteria A/1/1, B/2/2, or D/4/4. As the property owners have not granted access to the parcel, ASM was not able to survey 19515 Japatul Road but we were able to review recent photographs of the building from its most recent sale in 2023. Based on review of those photos, it is unlikely that 19515 Japatul Road could represent locally significant themes of Agriculture, Recreation, Community Development, and Architecture during the mid- to late twentieth century. Because ASM was not able to survey and definitively evaluate the potential resource, 19515 Japatul Road is assumed eligible under NRHP/CRHR/RPO criteria C/3/3 solely for the purposes of this project to be able to assess the potential for effects on eligible properties.

1356 Real Way, Alpine

ASM carefully considered whether 1356 Real Way is individually eligible under NRHP, CRHR, or RPO criteria A/1/1, B/2/2, or D/4/4. ASM considered the significance of the building at 1356 Real Way within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in Alpine or San Diego County so it cannot represent that theme. 1356 Real Way was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1935, when the house is believed to have been constructed, and ending in 1990 which was the end of the period of significant growth in Alpine. However, this individual building is not a good representation of the broad theme of community development, nor are, in comparison, the numerous other residences constructed in Alpine in the late twentieth century. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 1356 Real Way has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in Alpine or San Diego County, and therefore is recommended not eligible under NRHP/CRHR/RPO criteria A/1/1.

The building at 1356 Real Way is recommended not eligible under NRHP/CRHR/RPO criteria B/2/2. Historic research conducted through historic newspaper archives, Ancestry.com, and public records did not reveal any significant people associated with the property.

The building at 1356 Real Way is a Spanish Colonial Revival style building. Archival research did not reveal that it was designed by a master, but the building does exhibit some character-defining features of the Spanish Colonial Revival style, specifically stucco walls, terra cotta tile roof, wood-bracketed eaves, and arched door opening although it lacks other character-defining features of the style, such as complex

massing; courtyards, loggias or covered porches and/or balconies; arched windows; and single or paired multi-paned windows. The construction of an addition also detracts from the building conveying its original form. As such, 1356 Real Way is recommended not eligible under NRHP/CRHR/RPO criteria C/3/3 and 4.

Lastly, the building at 1356 Real Way is recommended not eligible under NRHP Criterion D or CRHR Criterion 4 as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

7701 Dehesa Road, Alpine

ASM carefully considered whether 7701 Dehesa Road is individually eligible under NRHP, CRHR, or RPO criteria A/1/1, B/2/2, or D/4/4. ASM was not able to survey 7701 Dehesa Road. Based on the limited information uncovered about the property, 7701 Dehesa Road is unlikely to be eligible for association with locally significant themes of Agriculture, Recreation, and Community Development, under NRHP criteria A, B, or D. Based on historic aerial images, it is assumed to be a vernacular building with a rectangular floor plan. Because ASM was not able to survey and definitively evaluate the potential resource, 7701 Dehesa Road is assumed eligible under NRHP/CRHR/RPO criteria C/3/3 solely for the purposes of the Proposed Project to be able to assess the potential for effects on eligible properties.

518 Mountain View Road, El Cajon

ASM carefully considered whether 518 Mountain View Road is individually eligible under NRHP, CRHR, or RPO criteria A/1/1, B/2/2, or D/4/4. ASM considered the significance of the building at 518 Mountain View Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 518 Mountain View Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1976, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development, nor are, in comparison, the numerous other residences constructed in El Cajon in the late twentieth century. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 518 Mountain View Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County, and therefore is recommended not eligible under NRHP/CRHR/RPO criteria A/1/1.

The building at 518 Mountain View Road is recommended not eligible under NRHP/CRHR/RPO criteria B/2/2. Historic research conducted through historic newspaper archives, Ancestry.com, and public records did not reveal any significant people associated with the property.

The vernacular building at 518 Mountain View Road was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 518 Mountain View Road is recommended not eligible under NRHP/CRHR/RPO criteria C/3/3 and 4.

Lastly, the building at 518 Mountain View Road is recommended not eligible under NHRP Criterion D or CRHR Criterion 4 as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

122 Mountain View Road, El Cajon

ASM carefully considered whether 122 Mountain View Road is individually eligible under NRHP, CRHR, or RPO criteria A/1/1, B/2/2, or D/4/4. ASM considered the significance of the building at 122 Mountain View Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 122 Mountain View Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property begins in 1953, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development, nor are, in comparison, the numerous other residences constructed in El Cajon in the late twentieth century. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 122 Mountain View Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County and therefore is recommended not eligible under NRHP/CRHR/RPO criteria A/1/1.

The building at 122 Mountain View Road is recommended not eligible under NRHP/CRHR/RPO criteria B/2/2. Historic research conducted through historic newspaper archives, Ancestry.com, and public records did not reveal any significant people associated with the property.

The vernacular building at 122 Mountain View Road was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 122 Mountain View Road is recommended not eligible under NRHP/CRHR/RPO criteria C/3/3 and 4.

Lastly, the building at 122 Mountain View Road is recommended not eligible under NRHP Criterion D or CRHR Criterion 4 as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

1090 La Cresta Boulevard, El Cajon

ASM carefully considered whether 1090 La Cresta Boulevard is individually eligible under NRHP, CRHR, or RPO criteria A/1/1, B/2/2, or D/4/4. ASM considered the significance of the building at 1090 La Cresta Boulevard within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 1090 La Cresta Boulevard was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1954, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development, nor are, in comparison, the numerous other residences constructed in El Cajon in the late twentieth century. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building

located at 1090 La Cresta Boulevard has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County and therefore is recommended not eligible under NRHP/CRHR/RPO criteria A/1/1.

The building at 1090 La Cresta Boulevard is recommended not eligible under NRHP/CRHR/RPO criteria B/2/2. Historic research conducted through historic newspaper archives, Ancestry.com, and public records did not reveal any significant people associated with the property.

The vernacular building at 1090 La Cresta Boulevard was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 1090 La Cresta Boulevard is recommended not eligible under NRHP/CRHR/RPO criteria C/3/3 and 4.

Lastly, the building at 1090 La Cresta Boulevard is recommended not eligible under NRHP Criterion D or CRHR Criterion 4 as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

1093 La Cresta Boulevard, El Cajon

ASM carefully considered whether 1093 La Cresta Boulevard is individually eligible under NRHP, CRHR, or RPO criteria A/1/1, B/2/2, or D/4/4. ASM considered the significance of the building at 1093 La Cresta Boulevard within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 1093 La Cresta Boulevard was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1952, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development, nor are, in comparison, the numerous other residences constructed in El Cajon in the late twentieth century. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 1093 La Cresta Boulevard has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County and therefore is recommended not eligible under NRHP/CRHR/RPO criteria A/1/1.

The building at 1093 La Cresta Boulevard is recommended not eligible under NRHP/CRHR/RPO criteria B/2/2. Historic research conducted through historic newspaper archives, Ancestry.com, and public records did not reveal any significant people associated with the property.

The vernacular building at 1093 La Cresta Boulevard was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. The building has been highly altered since its original construction. Alternations and additions to the building after 1990 have resulted in a building that lacks distinctive characteristics of a type, period, or method of construction. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 1093 La Cresta Boulevard is recommended not eligible under NRHP/CRHR/RPO criteria C/3/3 and 4.

Lastly, the building at 1093 La Cresta Boulevard is recommended not eligible under NRHP Criterion D or CRHR Criterion 4 as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

115 La Cresta Road, El Cajon

ASM carefully considered whether 115 La Cresta Road is individually eligible under NRHP, CRHR, or RPO criteria A/1/1, B/2/2, or D/4/4. ASM considered the significance of the building at 115 La Cresta Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 115 La Cresta Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1935, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development, nor are, in comparison, the numerous other residences constructed in El Cajon in the late twentieth century. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 115 La Cresta Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County and therefore is recommended not eligible under NRHP/CRHR/RPO criteria A/1/1.

The building at 115 La Cresta Road is recommended not eligible under NRHP/CRHR/RPO criteria B/2/2. Historic research conducted through historic newspaper archives, Ancestry.com, and public records did not reveal any significant people associated with the property.

The vernacular building at 115 La Cresta Road was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 115 La Cresta Road is recommended not eligible under NRHP/CRHR/RPO criteria C/3/3 and 4.

Lastly, the building at 115 La Cresta Road is recommended not eligible under NRHP Criterion D or CRHR Criterion 4 as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

128 La Cresta Road, El Cajon

ASM carefully considered whether 128 La Cresta Road is individually eligible under NRHP, CRHR, or RPO criteria A/1/1, B/2/2, or D/4/4. ASM considered the significance of the building at 128 La Cresta Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 128 La Cresta Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1952, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development, nor are, in comparison, the numerous other residences constructed in El Cajon in the late twentieth century. The significance of that theme is best conveyed by a group of buildings, such as a

historic district, located in a concentrated area of residential development. As such, the building located at 128 La Cresta Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County and therefore is recommended not eligible f under NRHP/CRHR/RPO criteria A/1/1.

The building 128 La Cresta Road is recommended not eligible under NRHP/CRHR/RPO criteria B/2/2. Historic research conducted through historic newspaper archives, Ancestry.com, and public records did not reveal any significant people associated with the property.

The vernacular building at 128 La Cresta Road was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. The building has been highly altered since its original construction. Alternations and additions to the building after 1990 have resulted in a building that lacks distinctive characteristics of a type, period, or method of construction. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 128 La Cresta Road is recommended not eligible under NRHP/CRHR/RPO criteria C/3/3 and 4.

Lastly, the building at 128 La Cresta Road is recommended not eligible under NRHP Criterion D or CRHR Criterion 4 as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

141 Sage Road, El Cajon

ASM carefully considered whether 141 Sage Road is individually eligible under NRHP, CRHR, or RPO criteria A/1/1, B/2/2, or D/4/4. ASM considered the significance of the building at 141 Sage Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 141 Sage Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1976, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development, nor are, in comparison, the numerous other residences constructed in El Cajon in the late twentieth century. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 141 Sage Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County, and therefore is recommended not eligible under NRHP/CRHR/RPO criteria A/1/1

The building at 141 Sage Road is recommended not eligible under NRHP/CRHR/RPO criteria B/2/2. Historic research conducted through historic newspaper archives, Ancestry.com, and public records did not reveal any significant people associated with the property.

The vernacular building at 141 Sage Road was constructed simply, without significant influence from any architectural style or movement, and was likely never a good representation of any architectural style. There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 141 Sage Road is recommended not eligible under NRHP/CRHR/RPO criteria C/3/3 and 4.

Lastly, the building at 141 Sage Road is recommended not eligible under NRHP Criterion D or CRHR Criterion 4 as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

235 La Cresta Road, El Cajon

ASM carefully considered whether 235 La Cresta Road is individually eligible under NRHP, CRHR, or RPO criteria A/1/1, B/2/2, or D/4/4. ASM considered the significance of the building at 235 La Cresta Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 235 La Cresta Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1955, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development, nor are, in comparison, the numerous other residences constructed in El Cajon in the late twentieth century. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 235 La Cresta Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County, and therefore is recommended not eligible under NRHP/CRHR/RPO criteria A/1/1

The building at 235 La Cresta Road is recommended not eligible under NRHP/CRHR/RPO criteria B/2/2. Historic research conducted through historic newspaper archives, Ancestry.com, and public records did not reveal any significant people associated with the property.

The vernacular building at 235 La Cresta Road was constructed simply, without significant influence from any architectural style or movement, and was likely never a good representation of any architectural style. There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 235 La Cresta Road is recommended not eligible under NRHP/CRHR/RPO criteria C/3/3 and 4.

Lastly, the building at 235 La Cresta Road is recommended not eligible under NRHP Criterion D or CRHR Criterion 4 as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

248 La Cresta Road, El Cajon

ASM carefully considered whether 248 La Cresta Road is individually eligible under NRHP, CRHR, or RPO criteria A/1/1, B/2/2, or D/4/4. ASM considered the significance of the building at 248 La Cresta Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 248 La Cresta Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1978, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development, nor are, in comparison, the numerous other residences constructed in El Cajon in the late twentieth century. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at

248 La Cresta Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County and therefore is recommended not eligible under NRHP/CRHR/RPO criteria A/1/1.

The building at 248 La Cresta Road is recommended not eligible under NRHP/CRHR/RPO criteria B/2/2. Historic research conducted through historic newspaper archives, Ancestry.com, and public records did not reveal any significant people associated with the property.

The vernacular building at 248 La Cresta Road was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 248 La Cresta Road is recommended not eligible under NRHP/CRHR/RPO criteria C/3/3 and 4.

Lastly, the building at 248 La Cresta Road is recommended not eligible under NRHP Criterion D or CRHR Criterion 4 as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

367 La Cresta Road, El Cajon

ASM carefully considered whether 367 La Cresta Road is individually eligible under NRHP, CRHR, or RPO criteria A/1/1, B/2/2, or D/4/4. ASM considered the significance of the building at 367 La Cresta Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 367 La Cresta Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1975, when it was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development, nor are, in comparison, the numerous other residences constructed in El Cajon in the late twentieth century. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 367 La Cresta Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County and therefore is recommended not eligible under NRHP/CRHR/RPO criteria A/1/1.

The building at 367 La Cresta Road is recommended not eligible under NRHP/CRHR/RPO criteria B/2/2. Historic research conducted through historic newspaper archives, Ancestry.com, and public records did not reveal any significant people associated with the property.

The vernacular building at 367 La Cresta Road was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 367 La Cresta Road is recommended not eligible under NRHP/CRHR/RPO criteria C/3/3 and 4.

Lastly, the building at 367 La Cresta Road is recommended not eligible under NRHP Criterion D or CRHR Criterion 4 as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

2934 La Cresta Road, El Cajon

ASM carefully considered whether 2934 La Cresta Road is individually eligible under NRHP, CRHR, or RPO criteria A/1/1, B/2/2, or D/4/4. ASM considered the significance of the building at 2934 La Cresta Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 2934 La Cresta Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1979, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development, nor are, in comparison, the numerous other residences constructed in El Cajon in the late twentieth century. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 2934 La Cresta Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County and therefore is recommended not eligible under NRHP/CRHR/RPO criteria A/1/1.

The building at 2934 La Cresta Road is recommended not eligible under NRHP/CRHR/RPO criteria B/2/2. Historic research conducted through historic newspaper archives, Ancestry.com, and public records did not reveal any significant people associated with the property.

The vernacular building at 2934 La Cresta Road was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 2934 La Cresta Road is recommended not eligible under NRHP/CRHR/RPO criteria C/3/3 and 4.

Lastly, the building at 2934 La Cresta Road is recommended not eligible under NRHP Criterion D or CRHR Criterion 4 as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

4980 La Cresta Road, El Cajon

ASM carefully considered whether 4980 La Cresta Road is individually eligible under NRHP, CRHR, or RPO criteria A/1/1, B/2/2, or D/4/4. ASM considered the significance of the building at 4980 La Cresta Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 4980 La Cresta Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1963, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development, nor are, in comparison, the numerous other residences constructed in El Cajon in the late twentieth century. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 4980 La Cresta Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County and therefore is recommended not eligible under NRHP/CRHR/RPO criteria A/1/1.

The building at 4980 La Cresta Road is recommended not eligible under NRHP/CRHR/RPO criteria B/2/2. Historic research conducted through historic newspaper archives, Ancestry.com, and public records did not reveal any significant people associated with the property.

The vernacular building at 4980 La Cresta Road was constructed simply, without significant influence from any architectural style or movement, and was likely never a good representation of any architectural style. There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 4980 La Cresta Road is recommended not eligible under NRHP/CRHR/RPO criteria C/3/3 and 4.

Lastly, the building at 4980 La Cresta Road is recommended not eligible under NRHP Criterion D or CRHR Criterion 4 as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

5.5.3 Summary

In accordance with both the NHPA and CEQA Guidelines, Table 4 lists the recommendations for eligibility of all 37 resources encountered during ASM's surveys. All eleven archaeological sites are recommended to be treated as eligible and avoided. The five archaeological isolates are ineligible for NHRP/CRHR listing. Three of the 17 architectural resources evaluated by ASM are recommended to be treated as eligible for the NRHP, CRHR, and County RPO. Additionally, there are four previously evaluated known architectural historic properties/historical resources. These 18 recommended- or determined-eligible resources should be considered as historical resources/historic properties for the Proposed Project.

Table 4. Summary of Recommendations of NRHP/CRHR Eligibility for Cultural Resources in the APE/API

Previously Recorded Archaeological Sites			
Site Designation	**Description**	**NRHP/CRHR Eligibility**	**Within the APE/API?**
P-37-005614 (CA-SDI-5614)	Historic-era wagon road	Not evaluated under any criteria. Assume eligible and avoid if possible	Within Physical
P-37-012106-7 (CA-SDI-1206-7); FS# 05025400958 /0502540095	Two precontact bedrock milling features plus debitage; historic rock wall, cistern, and road	Not evaluated under any criteria. Assume eligible and avoid until fully tested/evaluated	Within Physical
P-37-012108 (CA-SDI-12108); FS# 05025400977	Precontact assemblage with flaked stone (100+), mano frags, and pottery sherd	Not evaluated under any criteria. Assume eligible and avoid until fully tested/evaluated	Within Physical
P-37-012109 (CA-SDI-12109)	Precontact assemblage with flaked stone (60+) and mano frags	Not evaluated under any criteria. Assume eligible and avoid until fully tested/evaluated	Within Physical
P-37-012110 (CA-SDI-12110)	Precontact assemblage with flaked stone (60+) and mano frags	Not evaluated under any criteria. Assume eligible and avoid until fully tested/evaluated	Within Physical
P-37-031212 (CA-SDI-31212); FS#05025401574	Two historic-era rock cairns	Not evaluated under any criteria. Assume eligible and avoid, if possible	Within Physical
Newly Recorded Archaeological Sites			
Site Designation	**Description**	**NRHP/CRHR Eligibility**	**Within the APE/API?**
SX-SCR-S-1	Sparse precontact flaked stone scatter (<10 flakes) and one hammerstone	Not evaluated under any criteria. Assume eligible and avoid until fully tested/evaluated	Within Physical
SX-SCR-S-3	Historic-era remnant of the 1939 alignment for Tavern Road	Not evaluated under any criteria. Assume eligible and avoid if possible	Within Physical
SX-SCR-S-4	Sparse precontact site with ten flakes	Not evaluated under any criteria. Assume eligible and avoid until fully tested/evaluated	Within Physical
SX-SCR-S-5H	Remains of a historic-era dam with two layers of stacked stones; no artifacts	Not evaluated under any criteria. Assume eligible and avoid if possible	Within Physical
SX-SCR-S-13	Single bedrock milling feature; no artifacts noted	Not evaluated under any criteria. Assume eligible and avoid until fully tested/evaluated	Within Physical

Newly Recorded Isolates			
Site Designation	**Description**	**NRHP/CRHR Eligibility**	**Within the APE/API?**
SX-SCR-ADS-A1	Precontact Isolate	Not considered a historic property, not eligible	Within Physical
SX-SCR-ISO-5	Precontact Isolate	Not considered a historic property, not eligible	Within Physical
SX-SCR-LT-H3	Historic-era Isolate	Not considered a historic property, not eligible	Within Physical
SX-SCR-LT-H1	Historic-era Isolate	Not considered a historic property, not eligible	Within Physical
SX-SCR-LT-H2	Historic-era Isolate	Not considered a historic property, not eligible	Within Physical
Previously Recorded Architectural Resources			
Site Designation/Address	**Description**	**NRHP/CRHR Eligibility**	**Within the APE/API?**
1998 Valley Rim Road (P-37-017705)	Peterson House: a one-story shingle style house constructed in 1914	Previously determined eligible for CRHR	Within VAA
2049 Vista Valley Rim Place (P-37-017715)	O.B. Wetzell Residence: a two-and-a-half story single family residence constructed in 1914	Previously determined eligible for CRHR	Within VAA
6228 Dehesa Road	Episcopal Church	Previously determined eligible for CRHR	Within VAA
204 West Park Boulevard (P-37-017637)	The Snyder House: a one-story bungalow constructed in 1922	Previously determined eligible for CRHR	Within VAA
Newly Recorded Architectural Resources in the Survey Area			
Address	**Description**	**NRHP/CRHR Eligibility**	**Within the APE/API?**
19785 Japatul Road	Single-family residence built in 1970; not accessible during field survey	Treat as eligible under C/3 and avoid	Within VAA
19509 Japatul Road	Single-family residence built in 1971	Recommended not eligible	Within VAA
19515 Japatul Road	Single-family residence built in 1973	Treat as eligible under C/3 and avoid	Within Physical
1356 Real Way Lane	Single-family residence, Spanish Colonial Revival-style built in 1935	Recommended not eligible	Within VAA
7701 Dehesa Road	Single-family residence built in 1945; not accessible during field survey	Treat as eligible under C/3 and avoid	Within VAA
518 Mountain View Road	Single-family residence built in 1976	Recommended not eligible	Within VAA
122 Mountain View Road	Single-family residence built in 1953	Recommended not eligible	Within Physical
1090 La Cresta Boulevard	Single-family residence built in 1954	Recommended not eligible	Within VAA
1093 La Cresta Boulevard	Single-family residence built in 1952	Recommended not eligible	Within VAA
115 La Cresta Road	Single-family residence built in 1935	Recommended not eligible	Within Physical
128 La Cresta Road	Commercial building constructed in 1952	Recommended not eligible	Within Physical
141 Sage Road	Single-family residence built in 1976	Recommended not eligible	Within VAA
235 La Cresta Road	Single-family residence built in 1955	Recommended not eligible	Within Physical

Newly Recorded Architectural Resources in the Survey Area (continued)			
248 La Cresta Road	Single-family residence built in 1978	Recommended not eligible	Within Physical
367 La Cresta Road	Single-family residence built in 1975	Recommended not eligible	Within VAA
2934 La Cresta Road	Single-family residence built in 1979	Recommended not eligible	Within VAA
4980 La Cresta Road	Single-family residence built in 1963	Recommended not eligible	Within VAA

6. ASSESSMENT OF EFFECTS

Through the evaluation process in accordance with NHPA, CEQA, and local County of San Diego RPO Guidelines, the following Section summarizes the assessment for potential adverse effects and impacts for the Proposed Project.

Identified Archaeological Resources

A total of 11 archaeological sites are located within the physical portion of the APE/API. The 11 archaeological resources have not been formally evaluated since evaluations will likely require additional archival review, Tribal consultation by the lead agencies, and potentially targeted subsurface testing for precontact sites with analysis of site constituents to determine their significance. Thus, it is recommended that all 11 archaeological resources be treated as eligible to the NRHP and the CRHR for the purpose of Proposed Project with recommendations put in place during the design process. This will reduce the level of potential effects to less than significant or less than adverse until a formal assessment of effects is required.

Identified Architectural Resources

Photographs of properties are included in Appendix G. A total of seven architectural resources located within the APE/API are recommended to be treated as historic properties (Appendix H). Three of these properties are within the physical portion of the APE/API and were inaccessible; the other four are located in the VAA portion of the APE/API.

6.1. CRITERIA OF ADVERSE EFFECT

As the Proposed Project or undertaking is subject to compliance under both CEQA and Section 106 of the NHPA, the process to determine adverse change/effects follows CEQA Guidelines § 15064.5(b) (Substantial Adverse Change) and 36 CFR 800.5(a)(1) (Criteria of Adverse Effect), respectively, which require evaluating whether the undertaking may alter characteristics that qualify a historical resource or historic property for inclusion in the NRHP/CRHR, considering both direct and indirect impacts.

Examples of adverse change and adverse effects on historical resources/historic properties identified include, but are not limited to:

i. Physical destruction of or damage to all or part of the property.

ii. Alteration of a property, including restoration, rehabilitation, repair, maintenance, stabilization, hazardous material remediation, and provision of handicapped access, that is not consistent with the *Secretary's Standards for the Treatment of Historic Properties* (36 CFR part 68) (*Standards*) and applicable guidelines.

iii. Removal of the property from its historic location.

iv. Change of the character of the property's use or of physical features within the property's setting that contribute to its historic significance.

v. Introduction of visual, atmospheric, or audible elements that diminish the integrity of the property's significant historic features.

vi. Neglect of a property which causes its deterioration, except where such neglect and deterioration are recognized qualities of a property of religious and cultural significance to an Indian tribe or Native Hawaiian organization.

vii. Transfer, lease, or sale of property out of federal ownership or control without adequate and legally enforceable restrictions or conditions to ensure long-term preservation of the property's historic significance.

6.2. ASSESSING VISUAL EFFECTS

There is no universally accepted yardstick for measuring visual and atmospheric effects, nor federal guidance. To achieve a thorough and complete analysis of visual effects, ASM augmented the Section 106 (36 CFR 800) regulations of the NHPA and SOI Standards with more specific guidance that has been developed by other agencies including the Delaware SHPO (Delaware SHPO 2003), the BLM's Visual Resource Management (VRM) system (as described in Manual H 8410-1 (BLM 1986), Visual Resource Inventory), the Wyoming BLM and Wyoming State Historic Preservation Office (Wyoming BLM 2006) and recent guidance from NPS staff and Argonne National Laboratory at the Visual Resources Stewardship Conference (Gobster and Smardon 2018; Sullivan et al. 2014).

Because visual and atmospheric effects do not always damage the defining characteristics of an historic property (i.e., become adverse) in any physical manner, assessing them can be difficult and complicated, and is almost always subjective. If we are to consider that a historic property or historical resource is affected when its significance and integrity have been diminished, determining how a project harms a property's significance and integrity is essential to any assessment. In assessing the visual and atmospheric effects on historic properties and historical resources, the criteria for significance and the aspects of integrity are factors that require careful evaluation and can provide a defensible qualitative method for determining visual effects.

6.2.1 Definitions

For purposes of this analysis, the following definitions have been employed:

Historic Property: a historic site, district, building, structure, or object that is either eligible for inclusion in the NRHP or listed therein.

Historical Resource: defined by CEQA 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, economic, agricultural, educational, social, political, military, or cultural annals of California. Usually eligible for the CRHR.

Adverse Visual Effect: an effect that negatively affects the integrity of the setting or feeling of an historic property, to the extent that significance and eligibility for listing in the NRHP/CRHR are compromised. Adverse visual effects can be seen as negatively affecting the following characteristics of integrity: setting, feeling, or association.

Obstructive Visual Effects: any visual effect that carries the potential to obstruct any part of the view of an historic property, or the scenic view from such a resource. Adverse obstructive effects can obstruct all or a portion of an historic property and/or its viewshed, in turn negatively affecting the property's historic character.

Foreground: zone of distance nearest to viewer location in which changes to the view are dominant and create the greatest contrast.

Middleground: zone of distance between foreground and background in which detail is still apparent.

Background: zone of distance far from viewer location in which the human eye typically does not perceive line or texture and only sees outlines of form and splashes of color.

Distant Background: zone of distance farthest from viewer location; detail will not be visible.

Scenic Views: any scenic resources or resources that are visually and aesthetically important and that contribute to an historic property's significance.

Viewsheds: those areas visible from a specified location or locations.

Visual and Atmospheric Effects: any aspect of a proposed undertaking that will be seen from or will be in the view of an historic property or historical resource. A visual effect may be beneficial or adverse and may affect the resource in an aesthetic or obstructive manner. The determination that a visual or atmospheric effect exists does not automatically imply that the effect is adverse.

6.2.2 Adverse Visual and Atmospheric Effects

Adverse visual and atmospheric effects may be created when an undertaking is visible within the viewshed of the historic property or historical resource, when it blocks a view toward the historic property or historical resource, or when it introduces an element that is incompatible with the criteria under which the resource is eligible. Any atmospheric changes to setting would be short term, generally lasting only the duration of construction and would not diminish the integrity of any of the historic properties or historical resources located within the APE/API.

Simply because an undertaking will be visible from an historic property or historical resource does not mean it will create an adverse visual or atmospheric effect. Therefore, it is necessary to evaluate the visual changes and alterations the undertaking will introduce to the resource. In assessing adverse visual or atmospheric effects on a historic property or historical resource, it is necessary to identify the criterion or criteria under which the resource is eligible and what qualities or characteristics of the resource contribute to its significance or eligibility. For example, if a resource is eligible for its innovative engineering qualities, visual effects on the property may not be adverse, whereas if the property is eligible based on its architectural significance, an adverse effect very well may be created.

An adverse effect may be obstructive, which is to say it may block the view to or from an historic property; it may also not be obstructive and still create an adverse effect in that it introduces elements so incompatible with the criterion or criteria under which the property is eligible for listing that it diminishes the property's significance to a substantial degree. For example, a highway proposed to run alongside an historic rural church, while it would not directly obstruct the view to or from the building, might still introduce an element so incompatible with the rural setting of the property that it would have a diminishing effect upon the integrity of the property's setting.

Adverse visual effects should be determined on a case-by-case basis, weighing the following factors:

- **Significance.** An historic built-environment resource's historical significance and its key aspects of integrity must be considered to evaluate the undertaking's effects on the property's eligibility for listing in the NRHP/CRHR or local registries.

- **Character-Defining Features.** The alteration of character-defining features at the project location (including open space) can affect the view from the historic built-environment resource and possibly the location, feeling, setting, and association of that resource.

- **Compatibility.** Whether in an open space or a developed area, the compatibility of the undertaking with the character of its location and surrounding area, including historic properties, is important. The character of the historic property's site and architectural features should be the basis for determining the appropriate characteristics of the undertaking. The compatibility is determined by:

    - Mass—the arrangement of the undertaking's spaces;
    - Scale and proportion—the size and the proportion of the undertaking to the surrounding structures and features;
    - Height—sometimes it may be necessary that building height extend beyond that of the surrounding buildings and other features within view of the undertaking;
    - Shadows;
    - Color;
    - The degree to which the undertaking would contribute to the area's aesthetic value;
    - The degree of contrast, or lack thereof, between the undertaking and the background, surrounding scenery, or neighborhood; and
    - The amount of open space.

- **Obstructive Effects.** When an undertaking is on or near an historic property, it can block the resource from being viewed, or block a view seen from that resource, thereby possibly diminishing its integrity. Determination of adverse obstructive effects should be made on a case-by-case basis, considering the following factors:

    - The historic property's significance. It is necessary to understand the resource's historic significance and its key aspects of integrity in order to evaluate the effects on the resource's eligibility for listing in the NRHP/CRHR.
    - Nature and quality of the view from the historic property. This includes such features as natural topography, settings, man-made or natural features of visual interest, and other historic property seen from the historic built-environment resource, any of which would contribute to its significance and integrity.
    - Extent of obstruction. This includes total blockage, partial interruption, or interference with a person's enjoyment and appreciation of a scenic view or historic property viewed from the historic property, to the extent it affects the integrity of the historic property.
    - Obstruction of an historic property. The undertaking might obstruct the historic property from being viewed from the project site or other area. If the historic property is visually appreciated from surrounding viewpoints, obstructing its view may affect its feeling, setting, location, or association

6.3. FINDING OF EFFECT

Pursuant to 36 CFR 800.5(a)(2), an undertaking results in an adverse effect when it alters, directly or indirectly, the characteristics of a historic property that qualify it for inclusion in the NRHP in a manner that diminishes its integrity of location, design, setting, materials, workmanship, feeling, or association. Examples of adverse effects may include physical damage or destruction of a historic property, alterations inconsistent with the Secretary of the Interior's Standards, removal from a historic location, or changes to

use or setting. Adverse effects may also occur through neglect leading to deterioration or through transfer of a property out of federal control without adequate preservation protections. Based on the nature of the proposed undertaking and the results of the identification and evaluation efforts, construction of the proposed Project would not result in adverse effects to historic properties as defined under 36 CFR 800.5 in the APE/API. Similarly, the Proposed Project would also not result in damage to most of the historic properties within the VAA (i), change of the character of the physical features within the property's setting (iv), nor introduce visual, auditory, or atmospheric elements that diminish the integrity of any historic properties (v). Likewise, no adverse changes are expected under CEQA Guidelines § 15064.5(b) for any of the historical resources within the APE/API.

7. MANAGEMENT CONSIDERATIONS AND RECOMMENDATIONS

The Section provides recommendations to avoid significant impacts or adverse effects under CEQA and NHPA, respectively, for archaeological and built environment resources within the physical portion of the APE/API and potential built environment resources within the VAA for the Proposed Project. Eleven archaeological resources and one built environment resource that were identified by records searches and pedestrian surveys are recommended to be treated as eligible within the physical portion of the APE/API. Avoidance recommendations and design measures below and in Appendix I will reduce any potential impacts to the archaeological sites identified to a level of less than significant and less than adverse. No known NHRP/CRHR-eligible archaeological resources were identified within the VAA and no impacts from the Proposed Project to known built environment resources will occur within the VAA.

7.1. DESIGN CONSIDERATIONS AND RECOMMENDATIONS

The archaeological resources within the physical portion of the APE/API have not been formally evaluated and are recommended to be treated as eligible during this early phase of the Proposed Project. It is recommended that the future 30 percent, 60 percent, 90 percent, and final designs be reviewed and avoidance measures be carried forward as the design is finalized. If design considerations are implemented and avoidance of unevaluated archaeological resources is feasible, significant, or adverse effects are not anticipated. If avoidance of unevaluated resources is not feasible, then it is recommended that a Cultural Resources Management Plan (CRMP) or a monitoring and inadvertent discovery plan be developed to reduce potential impacts to less than significant or less than adverse. If TCRs, TCPs, or Tribal Cultural Landscapes are identified through government-to-government consultation, it is recommended that they be avoided. If they cannot be avoided, it is recommended that they be formally evaluated for NRHP/CRHR. If adverse effects are identified through this process, an MOU should be developed between SDG&E, CPUC, USFS, and Tribes.

The following measures are recommended to assist SDG&E in reducing potential impacts or effects to a less-than-significant or less-than-adverse level for the design phase of the Proposed Project.

7.1.1 PROVIDE DESIGN GUIDANCE

Project Components in Archaeological Sites

Six proposed SDG&E power pole locations and/or associated workspaces were identified within known archaeological sites and four poles are located within 100 ft. of archaeological sites. The sites were identified through records searches and cultural surveys, and avoidance recommendations were developed by field visits to these proposed pole locations by ASM and SDG&E staff. In most cases, the poles as designed are far enough from the known site locations that no direct impacts should occur nor are likely to occur. In other cases, if a pole is directly within a site, recommendations presented in Appendix I and below will protect the integrity of the resources. Appendix I provides detailed information on the proposed facilities that are located within these sites, or within 100 ft. of sites, with recommended measures for design considerations at the proposed facility locations. If a potentially eligible NRHP/CRHR site cannot be avoided, it is recommended that new poles or structures be micropiled. This plan has been discussed with SDG&E engineers. These recommendations herein reduce the potential impacts to such resources to a less-than-significant or less-than-adverse level.

Access Roads across Archaeological Sites

An archaeologist will conduct a field check or survey using a 30-ft. (10-m) buffer on either side of the centerline for access roads of any proposed access roads and develop a detailed site-specific avoidance plan for each existing road segment that goes through an eligible or potentially eligible archaeological site. Such avoidance plans will entail the following:

- Perform minimal maintenance and apply protective measures to existing road segments to prevent further site damage.
- Allow access only with rubber-tired vehicles within NRHP/CRHR-eligible resources; tracked vehicles are prohibited unless protective matting or similar material is placed first.
- If grading is proposed, avoid impact by lifting the blade within the site area.
- Use hand tools to level the roadbed and fill gullies or washouts with clean fill sourced from outside site boundaries.
- Construct water bars using non-archaeological soils imported from outside the site to avoid disturbing existing soils.
- Flag or mark the site area with temporary fencing as an Environmentally Sensitive Area (ESA), under the supervision of an archaeological monitor.
- Prohibit any access beyond the flagged or fenced ESA boundary.
- Do not store or stage equipment on bedrock that contains archaeological features.

If new access roads are proposed across archaeological sites, it is recommended that the roads be built up using documented clean fill, with protective matting or material laid down prior to the capping. If building up the road or capping the site is not feasible, then data recovery is recommended in the form of surface scrapes, with protective matting or material placed on top of the new road with a cap to protect the site from erosion. Best Management Practices (BMPs), such as new water bars or water diversion, should not be installed within archaeological sites without evaluation of those portions of the site. Import of gravel is not recommended within archaeological sites.

Work Pads on an Archaeological Site

Creation of a work pad by grading, cutting, and filling is a permanent impact to an eligible archaeological site and will require mitigation through data recovery. Avoid the creation of a work pad by reducing and reconfiguring the graded area needed to install the pole, or by installing a micropile pole. Other alternatives may include use of a helicopter to deliver the pole and installation equipment. Identification of the proposed work pad and all grading plans will be reviewed by cultural resources staff as part of the project.

7.1.2 EVALUATE HISTORIC RESOURCES

Once access is possible, 19515 Japatul Road should be surveyed and evaluated for NRHP, CRHR, or local eligibility. Elements of the Proposed Project could result adverse effects and significant impacts to this residential property if it is eligible for its association with locally significant themes of Agriculture, Recreation, Community Development, and Architecture during the mid- to late twentieth century.

7.1.3 CONDUCT SUPPLEMENTAL CULTURAL RESOURCES SURVEYS

To reduce potential impacts or effects to a less-than-significant or less-than-adverse level for the Proposed Project, prior to final design and construction, the applicant shall ensure that a qualified archaeologist conducts focused cultural resources surveys in any previously uninspected areas, newly scoped areas, and

revised access routes or work pads outside of the physical portion of the APE/API. Field checks will confirm the presence of archaeological resources, if any, and refine avoidance boundaries or ESA delineation if needed.

7.1.4 ARCHAEOLOGICAL SITE TESTING

If avoidance is not feasible, it is recommended that a CRMP or similar report be developed to reduce potential impacts or effects to a less-than-adverse or less-than-significant level. For archaeological resources that cannot be avoided through design modifications, the applicant will prepare a Testing Plan consistent with federal (36 CFR 800.4(b)) and state (CEQA Guidelines § 15064.5) requirements. Testing may include Shovel Test Probes (STPs) and Test Excavation Units (TEUs) designed to determine site boundaries, integrity, and eligibility for the NRHP/CRHR. Evaluation efforts will be confined to areas within the direct impact footprint plus a minimal buffer, with Native American monitors present during all fieldwork at precontact sites. Where testing confirms site significance and avoidance remains infeasible, data recovery will be implemented under an approved Data Recovery Plan to reduce potential effects to a less-than-adverse or less-than-significant level.

7.2. CONSTRUCTION CONSIDERATIONS AND RECOMMENDATIONS

The design avoidance measures in the preceding subsection and the following proposed measures have been developed to assist SDG&E in reducing potential impacts or effects to a level of less-than-significant or less-than-adverse level for the Proposed Project. These are recommended both for current and future design elements. Moreover, multiple recommendations are applicable during construction activities to avoid adverse effects to potentially significant cultural resources and for unanticipated discoveries.

7.2.1 Implement Archaeological and Native American Monitoring

Archaeological and Native American monitoring is recommended for initial ground disturbance related to the Proposed Project elements located within areas of moderate or high sensitivity for potential buried deposits or during vegetation clearing at locations where visibility was poor or areas that were inaccessible during the pedestrian surveys. If after vegetation clearing, the potential for buried deposits is low, monitoring may cease. Site-specific monitoring recommendations have been developed for the preliminary Proposed Project design (Appendix I), and it is recommended that as the design is finalized, the Proposed Project elements be reviewed in case of design changes. Additional site-specific recommendations and design considerations may be developed following subsequent and final design.

7.2.1.1 Buried-Site Sensitivity

Buried-site sensitivity in the Proposed Project area can be used to inform cultural resources monitoring recommendations where previously unknown buried archaeological resources may be present. Sensitivity is driven by multiple intersecting variables, including slope (greater than or less than 30 percent slope), proximity to water, and the location of recorded archaeological sites. Areas within 50 ft. of known site boundaries, and locations adjacent to intermittent or perennial drainages[8] and/or topography that is between 0 and 30 percent slope are assigned high potential for subsurface archaeological deposits. Zones classified as moderate potential are areas that are within the 0-30 percent slope range, that are paved or developed, and are considered to have moderate potential for buried deposits rather than high potential.

[8] Water source data utilized from https://www.usgs.gov/national-hydrography/national-hydrography-dataset.

Paved surfaces and terrain steeper than 30 percent are considered low potential because steep slopes and paving tend to limit sediment buildup and reduce the likelihood of intact deposits. The criteria for defining these three categories of high, moderate, and low are not based upon survey accessibility, rather they are based upon a number of factors described above, including slope, hydrology, and hardscape. Using these criteria, a map showing the potential for buried deposits within the physical portion of the APE/API is included in Appendix C.

The Sweetwater River corridor is given priority treatment and included in the high potential category, reflecting its inundation history and the geomorphic processes of alluvial drainage, where rapid or repeated sedimentation occurs that heighten the potential for buried deposits. This classification is anchored in geomorphic reasoning favoring gentle slopes, water proximity, sediment transport, and erosional exposures, as well as in field methods such as opportunistic inspection of rodent burrow spoils and natural cuts.

Within the physical portion of the APE/API, specific land-use contexts further refine sensitivity ratings. The Hospital Staging Yard is considered to have a moderate to high potential due to having both developed and undeveloped areas, while the Greenfield Staging Yard is assigned low potential based on confirmation that the location has been capped with gravel. The residential zone in the eastern physical portion of the APE/API, slated for undergrounding, is classified as moderate potential; despite prior disturbance, its proximity to both contemporary and historic watercourses (proximity to Sweetwater River and tributaries) raises the possibility of intact deposits. Although the Suncrest Substation lies atop mapped site SDI-19036, where significant buried deposits were uncovered, that resource was removed by SDG&E during the development of the substation, and the bedrock milling features were relocated upslope to the east outside of the Proposed Project area.

7.2.1.2 Archaeological Monitoring and Unanticipated Discoveries

After the design is final, a project-specific monitoring plan should be developed to refine monitoring recommendations. The areas recommended to be monitored should be indicated on Proposed Project plans/maps and flagged or mapped by the archaeological monitor and the contractor's environmental coordinator to alert construction crews not to conduct grubbing, excavations, grading, or any other ground-disturbing activities without the presence of an archaeological monitor where required.

In the event of an unanticipated discovery of archaeological materials within a work area during construction monitoring, all ground-disturbing work within 50 ft. of the work area will be suspended. The archaeological monitor will carefully inspect the ground surface around the discovery and any displaced dirt to determine whether the discovery is an isolated find (fewer than three items) or a site (three or more items, or a feature). If the find is determined to be isolated (except for human remains), the discovery will be documented, reported, and described in a monitoring report, and construction would resume. Isolated finds will be collected only if they are diagnostic artifacts. Artifacts found in fill or in an obviously disturbed context do not constitute a discovery. If an isolated find is on CNF, the CNF archaeologist would be contacted, and the Region 5 PA or appropriate Section 106 requirements will be followed before construction resumes.

Site Evaluation

If the discovery is determined to be a site, after securing the work area from additional disturbance, in concert with the Construction Foreman or Field Supervisor, the archaeological monitor will notify the Principal Investigator (PI), who will notify the SDG&E archaeologist by telephone of the nature and extent of the discovery. In consultation with the SDG&E archaeologist and the CPUC, the PI will recommend what additional fieldwork, if any, is necessary, such as limited test excavation, to determine the site's potential eligibility for the NRHP or CRHR if located on CNF. It may be determined that a site

visit by the SDG&E archaeologist or PI is necessary to make that recommendation. If a discovery is on CNF, the CNF archaeologist would be contacted, and the Region 5 PA or appropriate Section 106 requirements will be followed before construction resumes.

On non-CNF land, if a test excavation is required to evaluate a discovery, the SDG&E archaeologist and the PI will formulate a testing program to be implemented and submitted to the CPUC. In general, any evaluation effort will be focused on the area of discovery within the area of direct impact including a reasonable buffer (not more than 10 m from the maximum extent of the find). The focus will be to determine the nature of the archaeological resource and to assess the quantity, quality, and variety of preserved archaeological items that are, or may be, present. Evaluation will include STPs of a sufficient number to characterize the extent of subsurface archaeological deposits and, if recommended, a sample unit may be needed to evaluate the condition of the discovery and acquire a controlled sample of the preserved cultural materials.

A Native American monitor will be present during evaluation field work at precontact resources, as well as during any subsequent ground-disturbing work at the discovery location. After the site evaluation, the PI will have five business days in which to prepare a summary letter report assessing the site's eligibility for NRHP/CRHR listing and recommending appropriate treatment measures, such as the need for archaeological data recovery if the site is recommended as eligible for listing. The letter report will be submitted to the SDG&E archaeologist, who will have five business days to review the report and recommendations. The report will then be submitted to the CPUC for concurrence. The CPUC will have five business days to review. If the determination is that the discovered resource does not qualify for nomination to the NRHP/CRHR, construction may proceed after the report has been approved.

Data Recovery

If a discovered site is recommended to be eligible for the NRHP/CRHR and the resource cannot be avoided by Proposed Project redesign, further treatment measures will be required. To the degree possible, the construction and engineering teams will be included in discussions to avoid or minimize potential damage to the discovered resource to a less-than-significant or less-than-adverse level. If the resource is not avoidable, in coordination with the SDG&E archaeologist, the PI will prepare a data recovery plan. The report will then be submitted to the CPUC for concurrence, and they will have five business days to review. After review and concurrence, SDG&E will notify the PI that the proposed data recovery can proceed. Data recovery efforts will be focused only on that portion of the site within the area of direct impacts.

The level of effort involved in implementing the data recovery plan will be dictated by the nature and extent of the discovery, and on the results of the initial evaluation effort. The focus will be on recovering a sufficiently large sample to characterize the discovery and to address regional research questions, as appropriate. Upon completion of any required fieldwork, the PI will prepare a brief interim letter report summarizing the results, which will be reviewed by the SDG&E archaeologist and submitted to the CPUC. The CPUC's archaeological consultant will have five business days to review the report and recommend whether or not construction work at the discovery can resume or if additional sampling is required. A final data recovery report will be prepared after laboratory studies and analyses.

Discovery of Human Remains

The following protocol will be adhered to if human remains are encountered during construction monitoring. California state law (Health and Safety Code § 7050.5; PRC § 5097.94, 5097.98, and 5097.99) will be followed on state, county, and private land. These sections specify that work will stop immediately in any areas where human remains or suspected human remains are encountered. SDG&E

and any on-site Native American monitor will be notified of the discovery. SDG&E will contact the Office of the County ME. The ME has two working days to examine the remains after being notified by SDG&E. Under some circumstances, a determination may be made without direct input from the ME. When the remains are determined to be Native American, the ME has 24 hours to notify the NAHC.

The NAHC will immediately notify the identified MLD, and the MLD has 48 hours to make recommendations to the landowner or representative for the respectful treatment or disposition of the remains and grave goods. If the MLD does not make recommendations within 48 hours, the area of the property must be secured from further disturbance. If there are disputes between the landowner and the nearest likely descendants, the NAHC will mediate the dispute to attempt to find a resolution. If mediation fails to provide measures acceptable to the landowner, the landowner or his or her authorized representative shall re-inter the human remains and items associated with Native American burials with appropriate dignity on the property in a location not subject to further subsurface disturbance.

If the discovery of human remains occurs on federal land, NAGPRA will be followed.

7.2.2 Establish Environmentally Sensitive Areas (ESAs)

To reduce potential impacts or effects to a less-than-significant or less-than-adverse level for the Proposed Project archaeological resources determined to be eligible or potentially eligible for the NRHP/CRHR and that can be avoided will be designated as ESAs. ESA boundaries will be established with a buffer of approximately 50 ft. beyond the known resource limits, using temporary fencing or flagging clearly visible to construction crews. ESA boundaries will be shown on engineering and construction plans as exclusion zones where no grading, trenching, or equipment staging may occur. An archaeologist will verify ESA integrity throughout construction. Limited work (e.g., vegetation trimming) may be permitted within ESAs if no ground disturbance occurs.

7.2.3 Tribal Cultural Resources

Implementation of the above proposed recommendations for cultural resources would reduce potential impacts to unidentified tribal cultural resources to less-than-significant levels. If TCRs, TCPs, or Tribal Cultural Landscapes are identified during construction, it is recommended that they be avoided. If they cannot be avoided, it is recommended that they be formally evaluated for NRHP/CRHR eligibility in coordination with the appropriate Tribal representatives.

7.3. CONCLUSION

No known NHRP/CRHR-eligible archaeological resources were identified within the VAA and no impacts to known built environment resources will occur within the VAA.

Eleven archaeological resources and one built environment resource that were identified by records searches and pedestrian surveys are recommended to be treated as eligible within the physical portion of the APE/API. Recommendations provided during design and construction phases of the Proposed Project will reduce any potential impacts to the archaeological sites identified to a level of less than significant and less than adverse.

With the implementation of the recommendations, the Proposed Project impacts are expected to be reduced to less-than-significant and less-than-adverse levels. Continued coordination with regulatory agencies, Tribal representatives, and stakeholders is essential to ensure compliance and protection of cultural and Tribal resources throughout the life of the Proposed Project. If impact avoidance is not

feasible, development of a Cultural Resource Management Plan or similar document to guide resource evaluations is recommended.

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n.d. Property Record Year Built for 19509 Japatul Road, Alpine.
n.d. Property Record Year Built for 19515 Japatul Road, Alpine.
n.d. Property Record Year Built for 1356 Real Way, Alpine.
n.d. Property Record Year Built for 7701 Dehesa Road, Alpine.
n.d. Property Record Year Built for 518 Mountain View Road, El Cajon.
n.d. Property Record Year Built for 122 Mountain View Road, El Cajon.
n.d. Property Record Year Built for 1090 La Cresta Boulevard, El Cajon.
n.d. Property Record Year Built for 1093 La Cresta Boulevard, El Cajon.
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n.d. Property Record Year Built for 367 La Cresta Road, El Cajon.
n.d. Property Record Year Built for 2934 La Cresta Road, El Cajon.
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APPENDICES

APPENDIX A
Native American Heritage Commission and Tribal Correspondence

Local Government Tribal Consultation 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

Type of List Requested

☒ **CEQA Tribal Consultation List (AB 52)** – ***Per Public Resources Code § 21080.3.1, subs. (b), (d), (e) and 21080.3.2***

☐ **General Plan (SB 18)** - ***Per Government Code § 65352.3.***

Local Action Type:

___ General Plan ___ General Plan Element ___ General Plan Amendment

___ Specific Plan ___ Specific Plan Amendment ___ Pre-planning Outreach Activity

Required Information

Project Title: SDG&E Miguel-Sycamore Canyon 230kV Loop-in to Suncrest Project

Local Government/Lead Agency: County of San Diego
Contact Person: Terrence Luévano
Street Address: 7710 Balboa Avenue, Suite 303
City: San Diego **Zip:** 92111
Phone: (310) 633-3934 **Fax:**
Email: tluevano@asmaffiliates.com

Specific Area Subject to Proposed Action

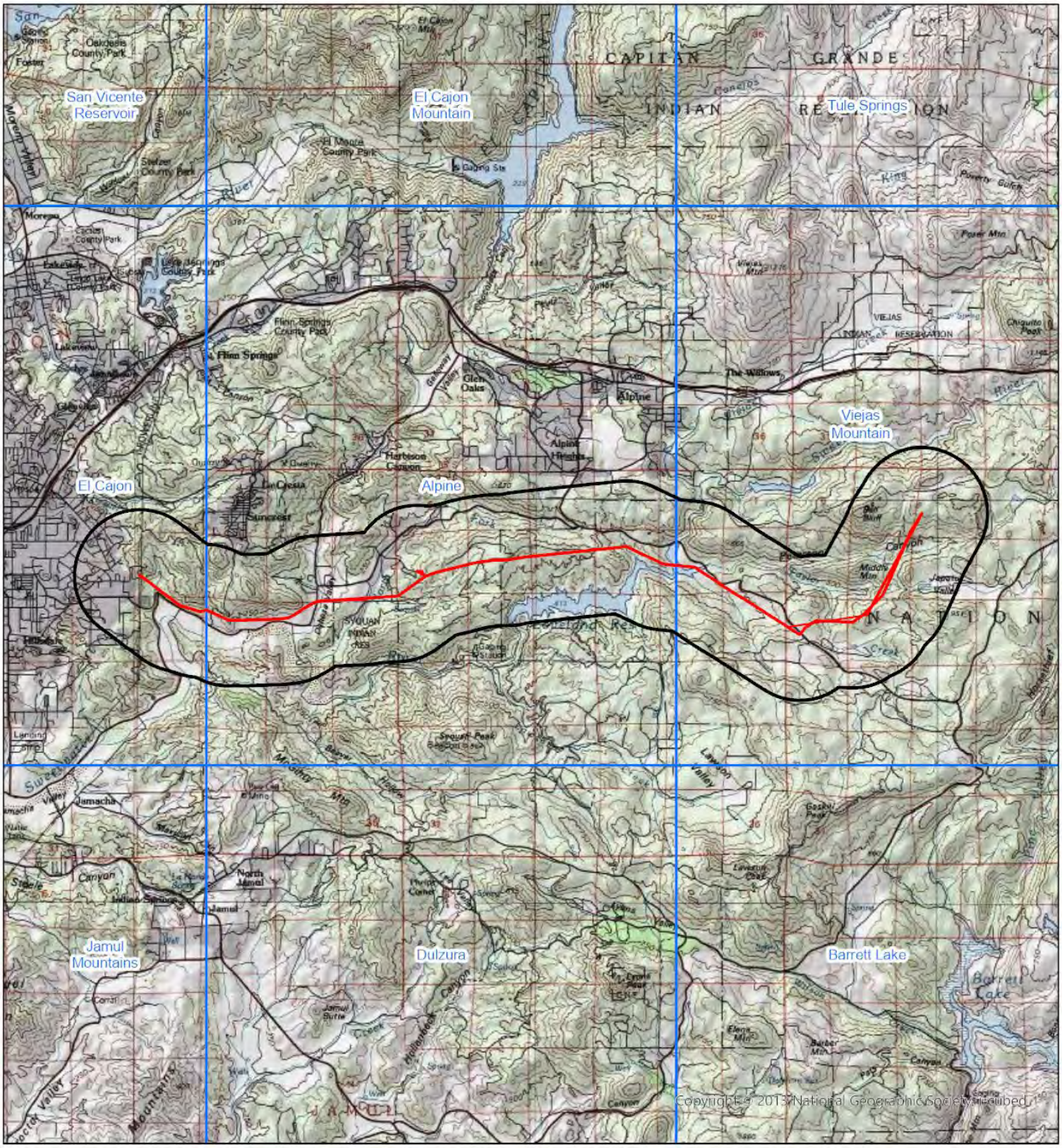
County: San Diego **City/Community:** Granite Hills, Dehesa, Sycuan, and Japatul

Project Description: SDG&E proposes to install a 16-mile double circuit 230 kV transmission line that will loop in the existing TL23021 Miguel – Sycamore Canyon into Suncrest substation; and install two new 500/230 kV banks at Suncrest and Miguel Substations (one at each substation)

Additional Request

☒ **Sacred Lands File Search** - ***Required Information:***

USGS Quadrangle Name(s): Alpine, El Cajon, Viejas Mountain
Township: 16S **Range:** 1E **Section(s):** 9, 11, 12, 13, 14, 15, 16
Township: 16S **Range:** 2E **Section(s):** 7, 8, 9, 10, 11, 12, 13
Township: 16S **Range:** 3E **Section(s):** 4, 5, 8, 17, 18



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- USGS 7.5' Quad

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ASM affiliates

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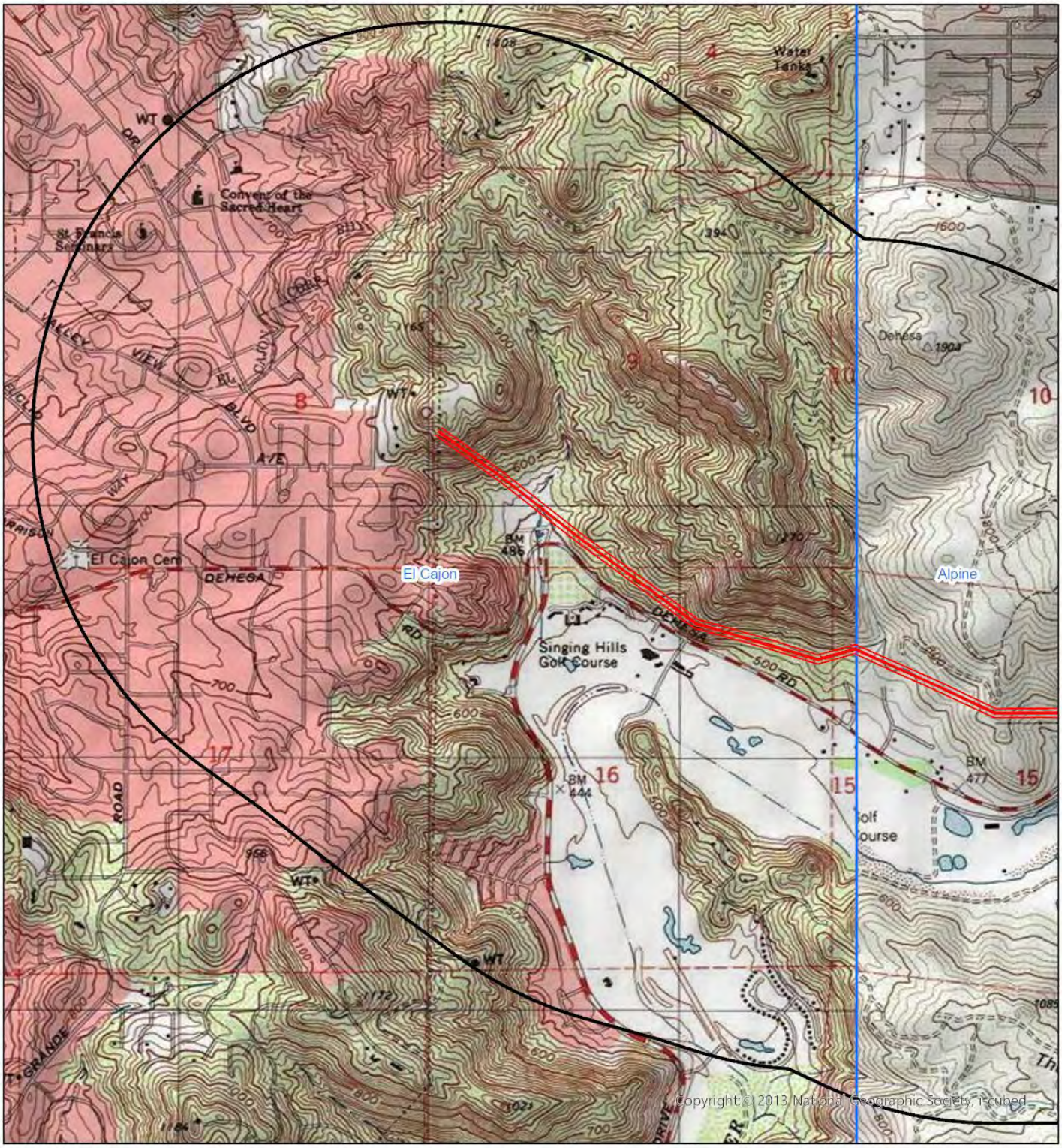

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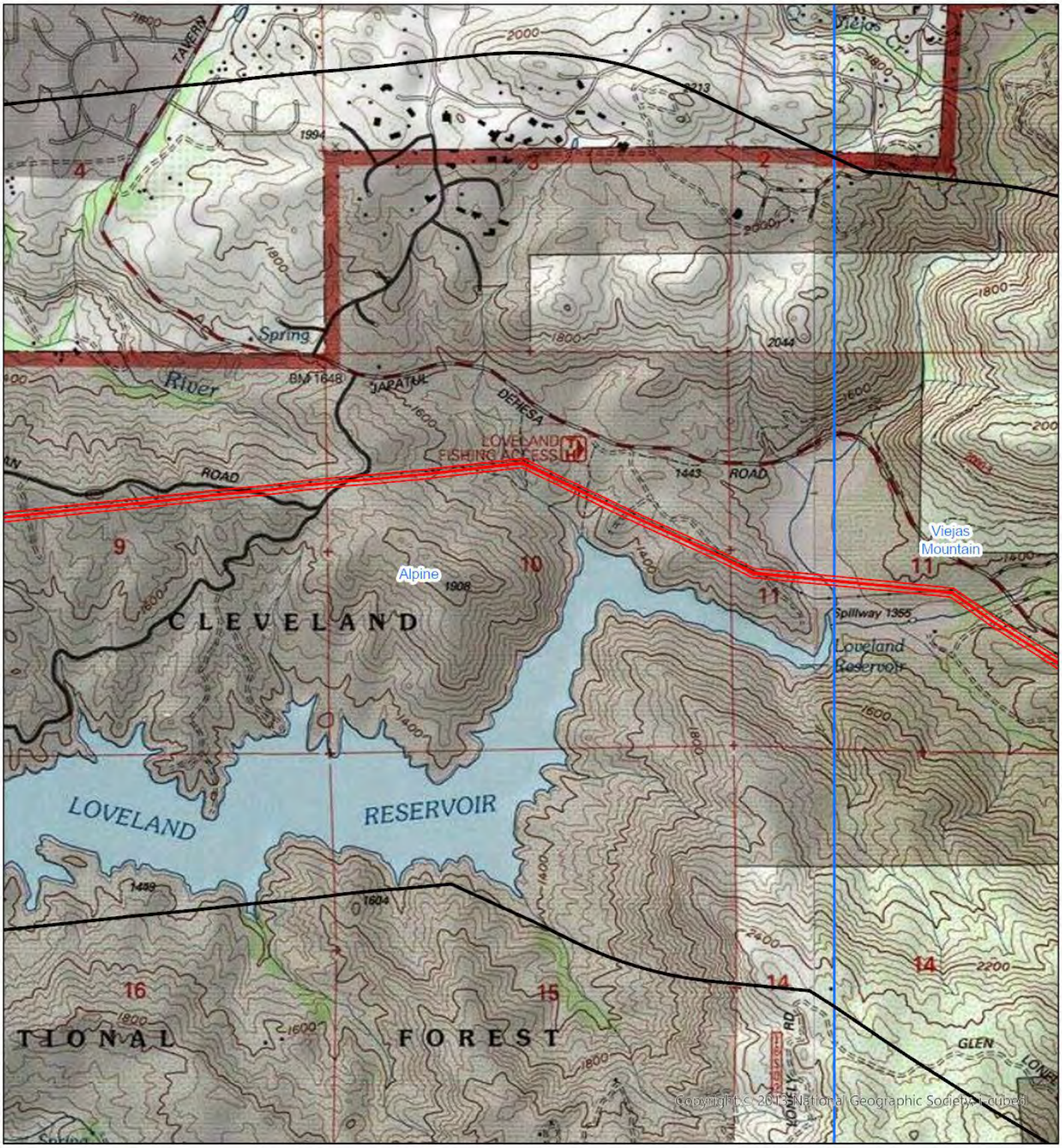

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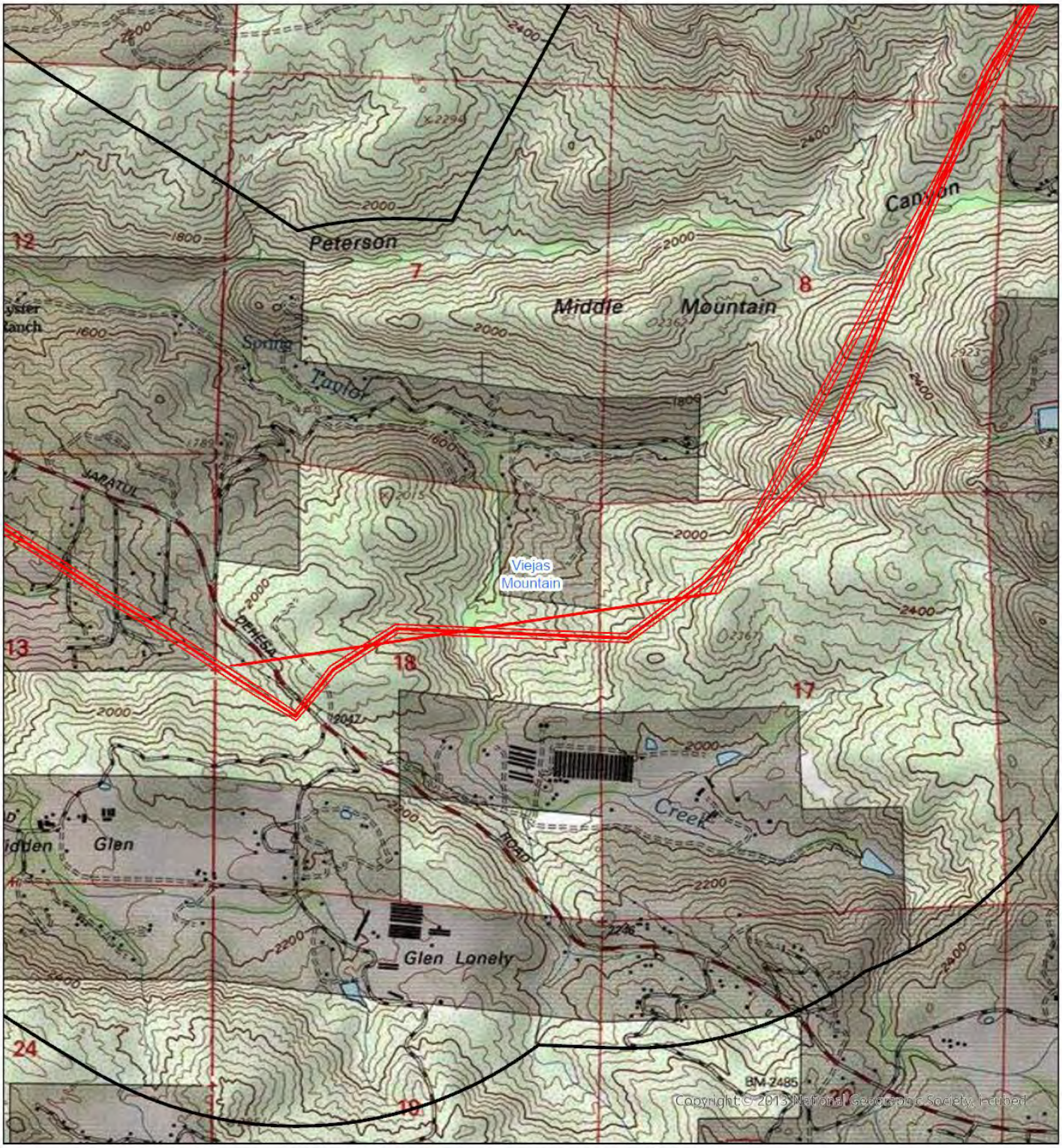

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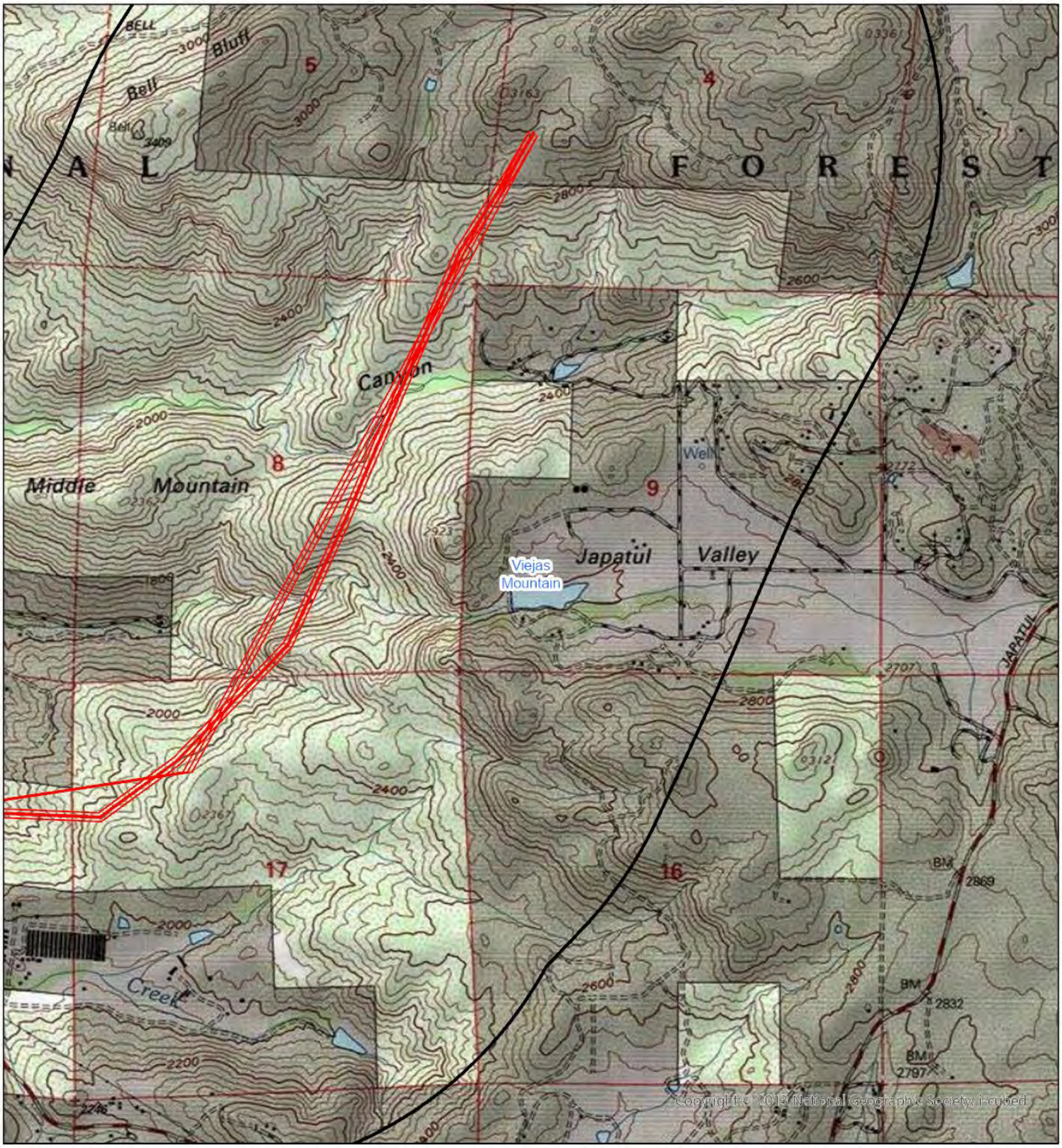

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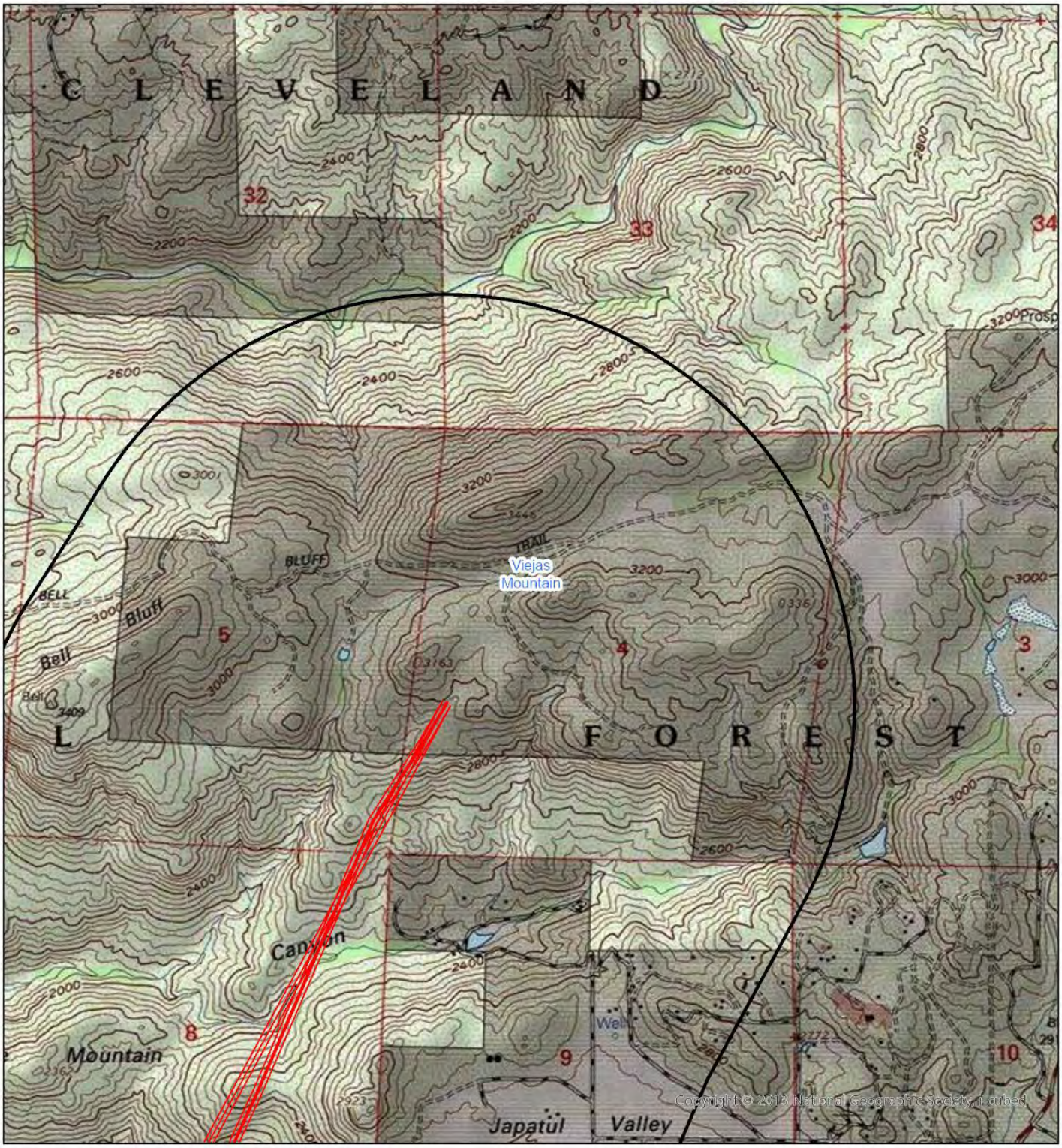

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Miwok/Nisenan

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710

November 7, 2024

Terrance Luevano
ASM Affiliates

Via Email to: tluevano@asmaffiliates.com

Re: Native American Tribal Consultation, Pursuant to the Assembly Bill 52 (AB 52), Amendments to the California Environmental Quality Act (CEQA) (Chapter 532, Statutes of 2014), Public Resources Code Sections 5097.94 (m), 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2 and 21084.3, SDG&E Miguel-Sycamore Canyon 230kV Loop-in to Suncrest Project, San Diego County

Dear Mr. Luevano:

Pursuant to Public Resources Code section 21080.3.1 (c), attached is a consultation list of tribes that are traditionally and culturally affiliated with the geographic area of the above-listed project. Please note that the intent of the AB 52 amendments to CEQA is to avoid and/or mitigate impacts to tribal cultural resources, (Pub. Resources Code §21084.3 (a)) ("Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource.")

Public Resources Code sections 21080.3.1 and 21084.3(c) require CEQA lead agencies to consult with California Native American tribes that have requested notice from such agencies of proposed projects in the geographic area that are traditionally and culturally affiliated with the tribes on projects for which a Notice of Preparation or Notice of Negative Declaration or Mitigated Negative Declaration has been filed on or after July 1, 2015. Specifically, Public Resources Code section 21080.3.1 (d) provides:

Within 14 days of determining that an application for a project is complete or a decision by a public agency to undertake a project, the lead agency shall provide formal notification to the designated contact of, or a tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, which shall be accomplished by means of at least one written notification that includes a brief description of the proposed project and its location, the lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation pursuant to this section.

The AB 52 amendments to CEQA law does not preclude initiating consultation with the tribes that are culturally and traditionally affiliated within your jurisdiction prior to receiving requests for notification of projects in the tribe's areas of traditional and cultural affiliation. The Native American Heritage Commission (NAHC) recommends, but does not require, early consultation as a best practice to ensure that lead agencies receive sufficient information about cultural resources in a project area to avoid damaging effects to tribal cultural resources.

The NAHC also recommends, but does not require that agencies should also include with their notification letters, information regarding any cultural resources assessment that has been completed on the area of potential effect (APE), such as:

1. The results of any record search that may have been conducted at an Information Center of the California Historical Resources Information System (CHRIS), including, but not limited to:

- A listing of any and all known cultural resources that have already been recorded on or adjacent to the APE, such as known archaeological sites;
- Copies of any and all cultural resource records and study reports that may have been provided by the Information Center as part of the records search response;
- Whether the records search indicates a low, moderate, or high probability that unrecorded cultural resources are located in the APE; and
- If a survey is recommended by the Information Center to determine whether previously unrecorded cultural resources are present.

2. The results of any archaeological inventory survey that was conducted, including:

    - Any report that may contain site forms, site significance, and suggested mitigation measures.

      All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure in accordance with Government Code section 6254.10.

3. The result of any Sacred Lands File (SLF) check conducted through the Native American Heritage Commission was positive. Please contact the tribes on the attached list for more information.

4. Any ethnographic studies conducted for any area including all or part of the APE; and

5. Any geotechnical reports regarding all or part of the APE.

Lead agencies should be aware that records maintained by the NAHC and CHRIS are not exhaustive and a negative response to these searches does not preclude the existence of a tribal cultural resource. A tribe may be the only source of information regarding the existence of a tribal cultural resource.

This information will aid tribes in determining whether to request formal consultation. In the event that they do, having the information beforehand will help to facilitate the consultation process.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our consultation list remains current.

If you have any questions, please contact me at my email address: Pricilla.Torres-Fuentes@nahc.ca.gov.

Sincerely,

Pricilla Torres-Fuentes

Pricilla Torres-Fuentes
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
San Diego County
11/7/2024

County	Tribe Name	Fed (F) Non-Fed (N)	Contact Person	Contact Address	Phone #	Fax #	Email Address	Cultural Affiliation	Counties	Last Updated
San Diego	Barona Group of the Capitan Grande	F	Art Bunce, Attorney		(760) 489-0329		buncelaw@aol.com	Diegueno	Imperial,San Diego	7/25/2023
	Campo Band of Diegueno Mission Indians	F	Ben Dyche, Vice Chairperson	36190 Church Road, Suite 1 Campo, CA, 91906	(619) 478-9046		bdyche@campo-nsn.gov	Diegueno	Imperial,San Diego	5/24/2024
	Campo Band of Diegueno Mission Indians	F	Marcus Cuero, Chairperson	36190 Church Road, Suite 1 Campo, CA, 91906	(619) 478-9046		marcuscuero@campo-nsn.gov	Diegueno	Imperial,San Diego	5/15/2024
	Campo Band of Diegueno Mission Indians	F	Daniel Tsosie, THPO	36190 Church Road, Suite 1 Campo, CA, 91906	(619) 760-6480		dtsosie@campo-nsn.gov	Diegueno	Imperial,San Diego	5/24/2024
	Ewiiaapaayp Band of Kumeyaay Indians	F	Robert Pinto, Chairperson	4054 Willows Road Alpine, CA, 91901	(619) 368-4382	(619) 445-9126	ceo@ebki-nsn.gov	Diegueno	Imperial,San Diego	
	Ewiiaapaayp Band of Kumeyaay Indians	F	Michael Garcia, Vice Chairperson	4054 Willows Road Alpine, CA, 91901	(619) 933-2200	(619) 445-9126	michaelg@leaningrock.net	Diegueno	Imperial,San Diego	
	Iipay Nation of Santa Ysabel	F	Clint Linton, Director of Cultural Resources	P.O. Box 507 Santa Ysabel, CA, 92070	(760) 803-5694		clinton@redtailenvironmental.com	Diegueno	Imperial,San Diego	11/30/2023
	Inaja-Cosmit Band of Indians	F	Rebecca Osuna, Chairperson	2005 S. Escondido Blvd. Escondido, CA, 92025	(760) 737-7628	(760) 747-8568		Diegueno	Imperial,San Diego	
	Jamul Indian Village	F	Erica Pinto, Chairperson	P.O. Box 612 Jamul, CA, 91935	(619) 669-4785	(619) 669-4817	epinto@jiv-nsn.gov	Diegueno	Imperial,San Diego	
	Jamul Indian Village	F	Lisa Cumper, Tribal Historic Preservation Officer	P.O. Box 612 Jamul, CA, 91935	(619) 669-4855		lcumper@jiv-nsn.gov	Diegueno	Imperial,San Diego	9/5/2018
	La Posta Band of Diegueno Mission Indians	F	Gwendolyn Parada, Chairperson	8 Crestwood Road Boulevard, CA, 91905	(619) 478-2113	(619) 478-2125	LP13boots@aol.com	Diegueno	Imperial,San Diego	
	Manzanita Band of Kumeyaay Nation	F	Angela Elliott Santos, Chairperson	P.O. Box 1302 Boulevard, CA, 91905	(619) 766-4930	(619) 766-4957		Diegueno	Imperial,San Diego	
	Mesa Grande Band of Diegueno Mission Indians	F	Michael Linton, Chairperson	P.O Box 270 Santa Ysabel, CA, 92070	(760) 782-3818	(760) 782-9092		Diegueno	Imperial,San Diego	
	San Pasqual Band of Diegueno Mission Indians	F	Allen Lawson, Chairperson	P.O. Box 365 Valley Center, CA, 92082	(760) 749-3200	(760) 749-3876		Diegueno	Imperial,San Diego	

Native American Heritage Commission
Native American Contact List
San Diego County
11/7/2024

County	Tribe Name	Fed (F) Non-Fed (N)	Contact Person	Contact Address	Phone #	Fax #	Email Address	Cultural Affiliation	Counties	Last Updated
	Sycuan Band of the Kumeyaay Nation	F	Cody Martinez, Chairman	Sycuan Tribal Office: 1 Kwaaypaay Court El Cajon, CA, 92019	(619) 445-2613		cmartinez@sycuan-nsn.gov	Kumeyaay	Imperial,San Diego	8/7/2023
	Sycuan Band of the Kumeyaay Nation	F	Bernice Paipa, Cultural Resource Specialist	Sycuan Cultural Center: 910 Willow Glen Drive El Cajon, CA, 92019	(619) 445-6917		bpaipa2@sycuan-nsn.gov	Kumeyaay	Imperial,San Diego	8/7/2023
	Viejas Band of Kumeyaay Indians	F	Ray Teran, Resource Management Director	1 Viejas Grade Road Alpine, CA, 91901	(619) 659-2312		rteran@viejas-nsn.gov	Kumeyaay	Imperial,San Diego	6/29/2023
	Viejas Band of Kumeyaay Indians	F	Ernest Pingleton, THPO	1 Viejas Grade Road Alpine, CA, 91901	(619) 445-3810		epingleton@viejas-nsn.gov	Kumeyaay	Imperial,San Diego	6/29/2023

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 Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for consultation with Native American tribes under Public Resources Code Sections 21080.3.1 for the proposed SDG&E Miguel-Sycamore Canyon 230kV Loop-in to Suncrest Project, San Diego County.

Record: PROJ-2024-005794
Report Type: AB52 GIS
Counties: San Diego
NAHC Group: All

Local Government Tribal Consultation 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

Type of List Requested

☒ **CEQA Tribal Consultation List (AB 52)** – ***Per Public Resources Code § 21080.3.1, subs. (b), (d), (e) and 21080.3.2***

☐ **General Plan (SB 18)** - ***Per Government Code § 65352.3.***

Local Action Type:

___ General Plan ___ General Plan Element ___ General Plan Amendment

___ Specific Plan ___ Specific Plan Amendment ___ Pre-planning Outreach Activity

Required Information

Project Title: SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project

Local Government/Lead Agency: California Public Utilities Commission (CEQA), US Forest Service (NEPA)
Contact Person: Terrence Luévano
Street Address: 7710 Balboa Avenue, Suite 303
City: San Diego **Zip:** 92111
Phone: (619) 851-4036 **Fax:**
Email: tluevano@asmaffiliates.com

Specific Area Subject to Proposed Action

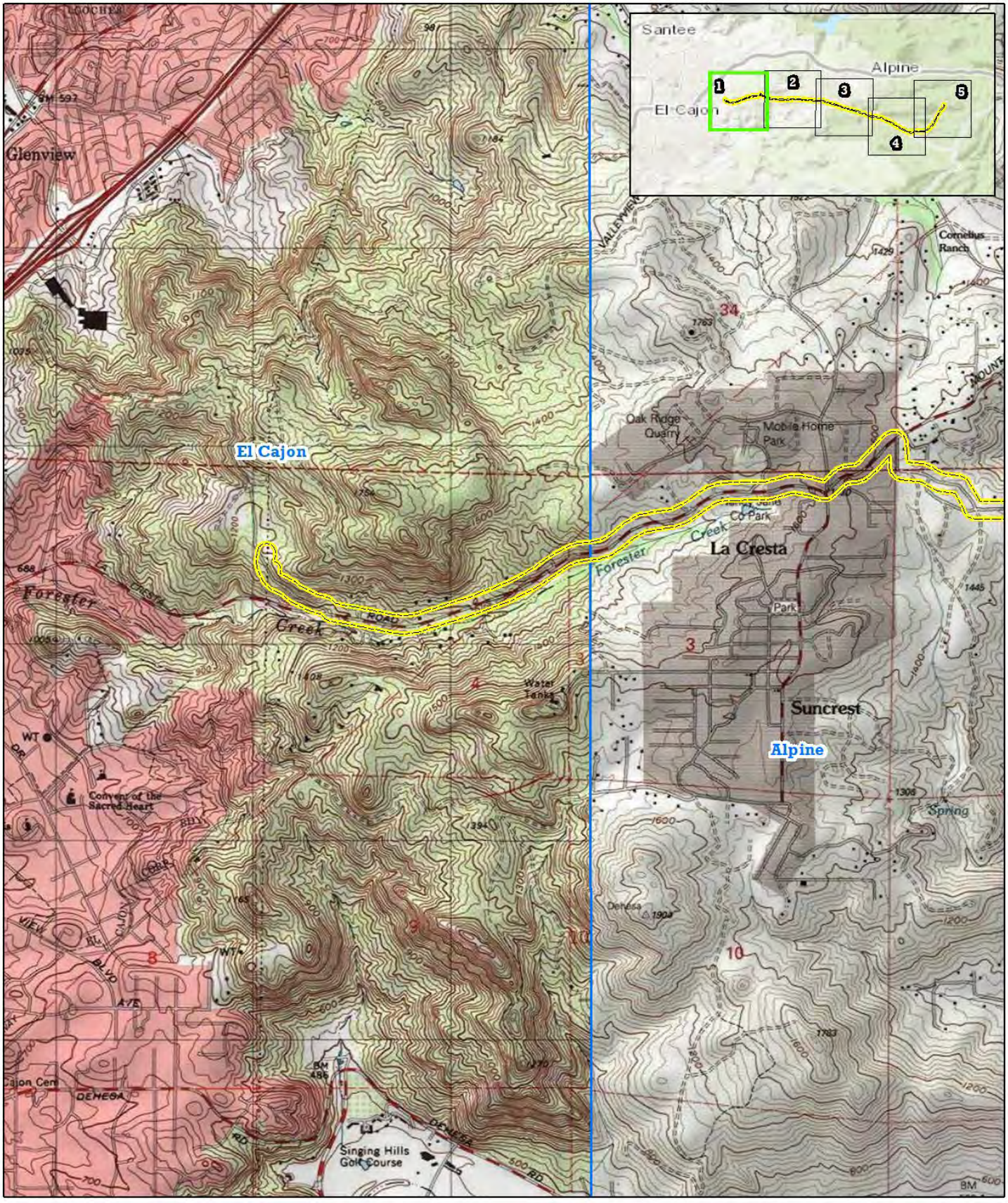
County: San Diego **City/Community:** La Cresta, Harbison Canyon, Alpine, Japatul

Project Description:
The San Diego Gas & Electric Company (SDG&E) Sycamore Canyon 230 Kilovolt (kV) Loop-In to Suncrest Project (Proposed Project) will involve the installation of a new double-circuit 230 kV transmission line, as well as modifications to two existing SDG&E substations (i.e., the Suncrest Substation and Sycamore Canyon Substation). Specifically, the project will:

- Construction of a new approximately 14 to 16 mile-long, double-circuit 230 kV transmission line segment consisting of overhead and underground configurations to interconnect (or "loop") SDG&E's existing TL23021 into the Suncrest Substation.
- Modifications to the Suncrest Substation, which include the following:
  - installation of a new 500/230 kV transformer, consisting of four separate single-phase units, and associated tertiary reactors, circuit breakers, disconnects, and communication equipment;
  - relocation of an existing 230 kV shunt capacitor and current limiting reactors; and
  - demolition and relocation of an equipment yard and warehouse, which is currently located within the substation's fenced limits, to a nearby location.
- Modifications to the Sycamore Canyon Substation, which include upgrading existing 230 kV breakers from 2000 ampere (A) rated to 3000A rated circuit breakers and installing associated equipment.

Additional Request

☒ **Sacred Lands File Search** - ***Required Information:***
USGS Quadrangle Name(s): Alpine, El Cajon, Viejas Mountain
Township: 15S **Range:** 1E **Section(s):** 34, 35
Township: 16S **Range:** 1E **Section(s):** 1, 2, 3, 4, Unsectioned (El Cajon Land Grant)
Township: 16S **Range:** 2E **Section(s):** 4, 5, 6, 9, 10, 11, 12, 13
Township: 16S **Range:** 3E **Section(s):** 4, 5, 8, 17, 18



SX to SCR 230kV - Page 1 of 5

APE

7.5' USGS Quads

0 0.5 1 Miles

0 1 2 Kilometers

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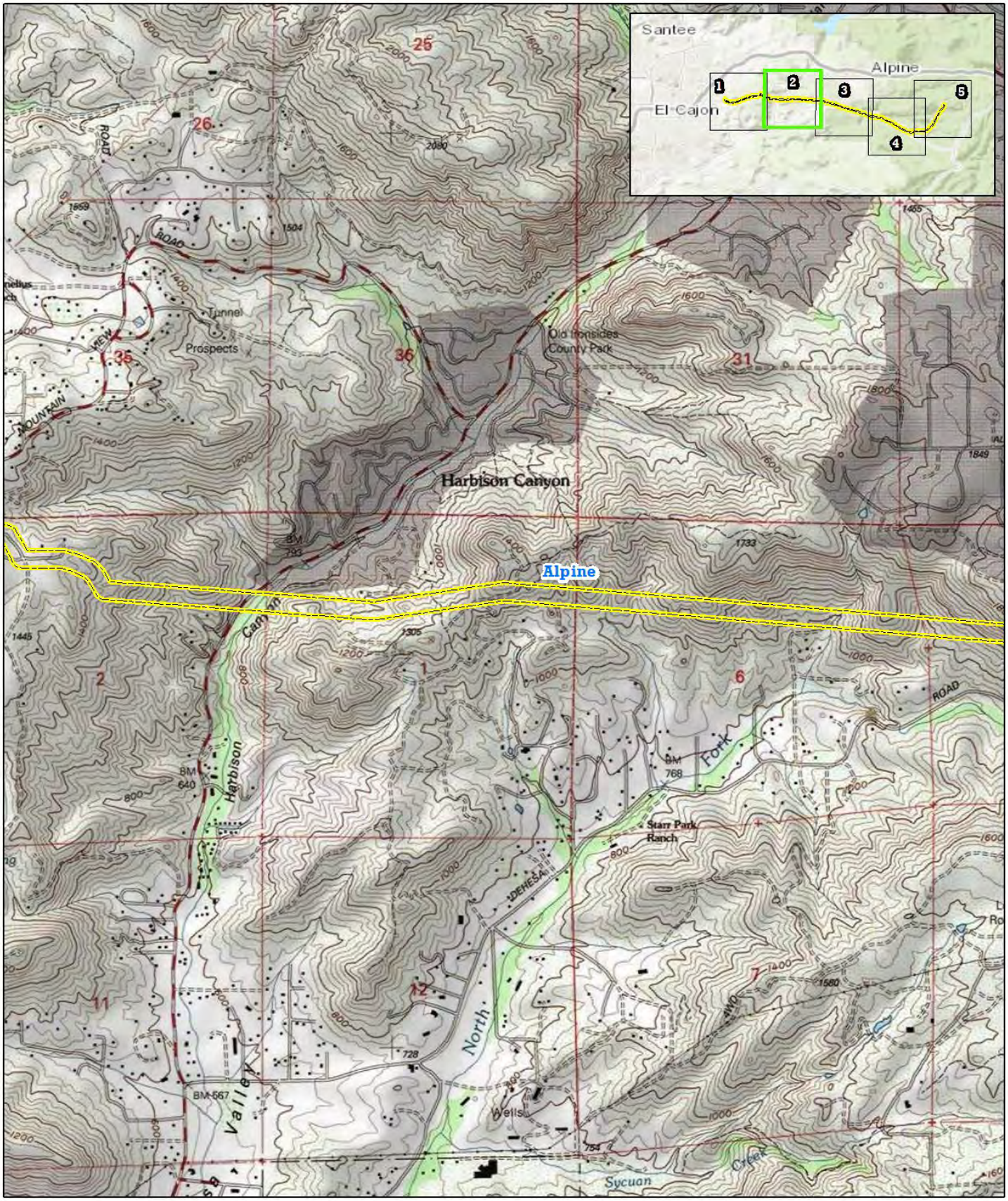

SX to SCR 230kV - Page 2 of 5

APE

7.5' USGS Quads

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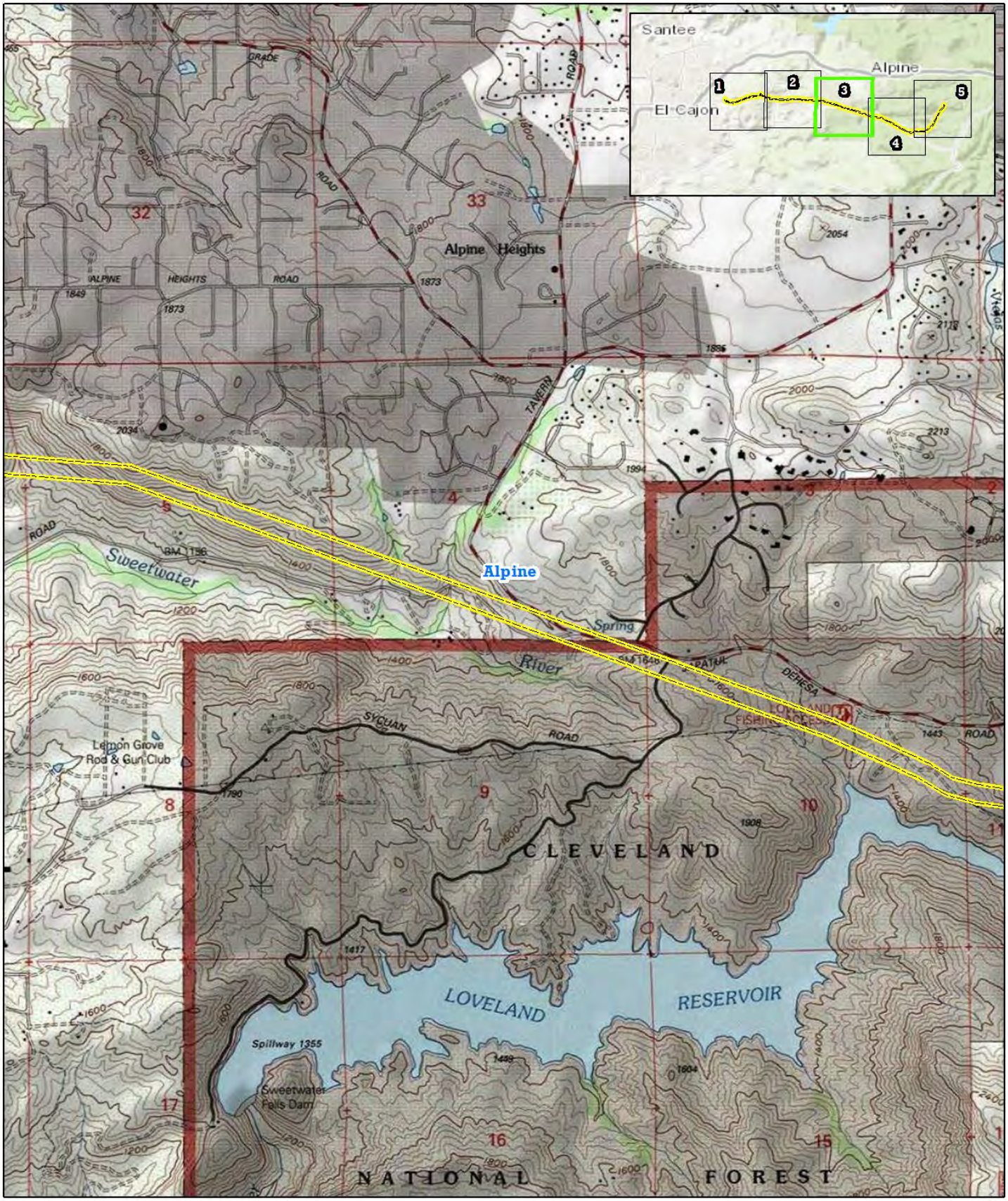

SX to SCR 230kV - Page 3 of 5

APE

7.5' USGS Quads

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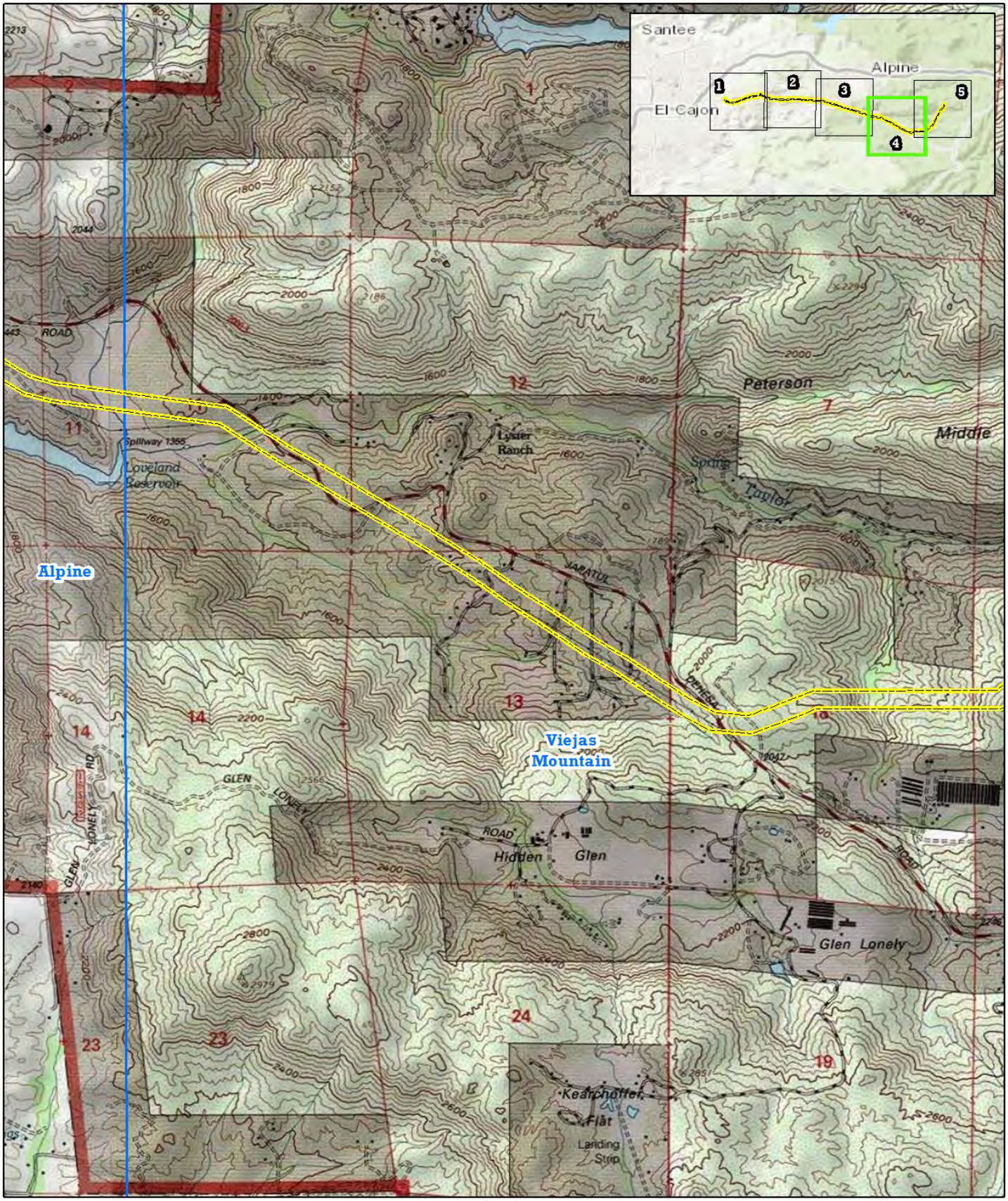

SX to SCR 230kV - Page 4 of 5

APE

7.5' USGS Quads

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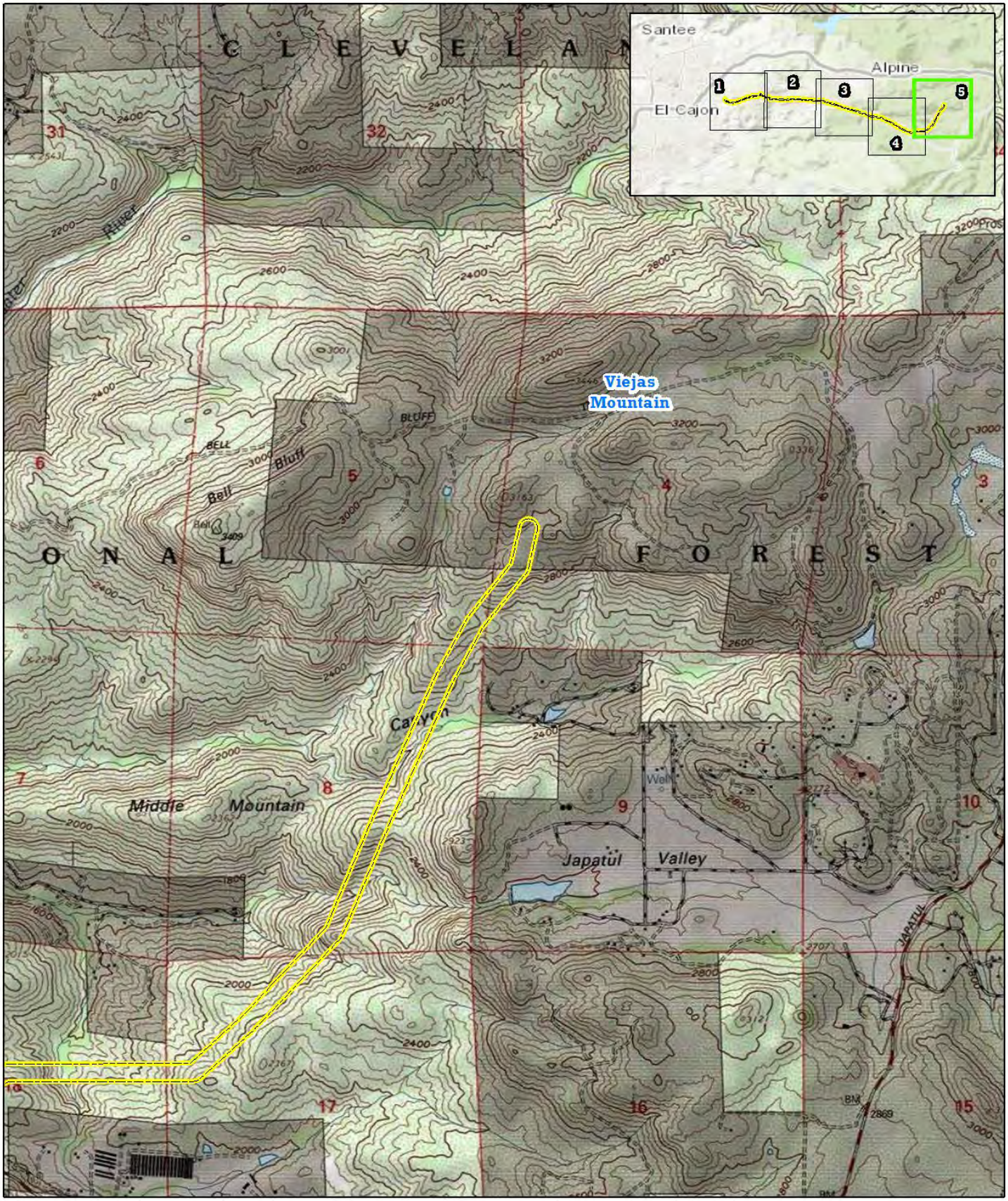

SX to SCR 230kV - Page 5 of 5

APE

7.5' USGS Quads

0 0.5 1 Miles

0 1 2 Kilometers

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1:24,000

NATIVE AMERICAN HERITAGE COMMISSION

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Cahuilla

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Pauma-Yuima Band of Luiseño Indians

COMMISSIONER
Vacant

ACTING EXECUTIVE SECRETARY
Steven Quinn

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

April 3, 2025

Terrence Luevano
ASM Affiliates

Via Email to: tluevano@asmaffiliates.com

Re: Native American Tribal Consultation, Pursuant to the Assembly Bill 52 (AB 52), Amendments to the California Environmental Quality Act (CEQA) (Chapter 532, Statutes of 2014), Public Resources Code Sections 5097.94 (m), 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2 and 21084.3, SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County

To Whom It May Concern:

Pursuant to Public Resources Code section 21080.3.1 (c), attached is a consultation list of tribes that are traditionally and culturally affiliated with the geographic area of the above-listed project. Please note that the intent of the AB 52 amendments to CEQA is to avoid and/or mitigate impacts to tribal cultural resources, (Pub. Resources Code §21084.3 (a)) ("Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource.")

Public Resources Code sections 21080.3.1 and 21084.3(c) require CEQA lead agencies to consult with California Native American tribes that have requested notice from such agencies of proposed projects in the geographic area that are traditionally and culturally affiliated with the tribes on projects for which a Notice of Preparation or Notice of Negative Declaration or Mitigated Negative Declaration has been filed on or after July 1, 2015. Specifically, Public Resources Code section 21080.3.1 (d) provides:

Within 14 days of determining that an application for a project is complete or a decision by a public agency to undertake a project, the lead agency shall provide formal notification to the designated contact of, or a tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, which shall be accomplished by means of at least one written notification that includes a brief description of the proposed project and its location, the lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation pursuant to this section.

The AB 52 amendments to CEQA law does not preclude initiating consultation with the tribes that are culturally and traditionally affiliated within your jurisdiction prior to receiving requests for notification of projects in the tribe's areas of traditional and cultural affiliation. The Native American Heritage Commission (NAHC) recommends, but does not require, early consultation as a best practice to ensure that lead agencies receive sufficient information about cultural resources in a project area to avoid damaging effects to tribal cultural resources.

The NAHC also recommends, but does not require that agencies should also include with their notification letters, information regarding any cultural resources assessment that has been completed on the area of potential effect (APE), such as:

1. The results of any record search that may have been conducted at an Information Center of the California Historical Resources Information System (CHRIS), including, but not limited to:

- A listing of any and all known cultural resources that have already been recorded on or adjacent to the APE, such as known archaeological sites;
- Copies of any and all cultural resource records and study reports that may have been provided by the Information Center as part of the records search response;
- Whether the records search indicates a low, moderate, or high probability that unrecorded cultural resources are located in the APE; and
- If a survey is recommended by the Information Center to determine whether previously unrecorded cultural resources are present.

2. The results of any archaeological inventory survey that was conducted, including:

    - Any report that may contain site forms, site significance, and suggested mitigation measures.

      All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure in accordance with Government Code section 6254.10.

3. The result of the Sacred Lands File (SLF) check conducted through the Native American Heritage Commission was positive. Please contact the tribes on the attached list for more information.

4. Any ethnographic studies conducted for any area including all or part of the APE; and

5. Any geotechnical reports regarding all or part of the APE.

Lead agencies should be aware that records maintained by the NAHC and CHRIS are not exhaustive and a negative response to these searches does not preclude the existence of a tribal cultural resource. A tribe may be the only source of information regarding the existence of a tribal cultural resource.

This information will aid tribes in determining whether to request formal consultation. In the event that they do, having the information beforehand will help to facilitate the consultation process.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our consultation list remains current.

If you have any questions, 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
San Diego County
4/3/2025

Tribe Name	Fed (F) Non-Fed (N)	Contact Person	Contact Address	Phone #	Fax #	Email Address	Cultural Affiliation	Counties	Last Updated
Barona Group of the Capitan Grande	F	Art Bunce, Attorney		(760) 489-0329		buncelaw@aol.com	Diegueno	Imperial,San Diego	7/25/2023
Campo Band of Diegueno Mission Indians	F	Ben Dyche, Vice Chairperson	36190 Church Road, Suite 1 Campo, CA, 91906	(619) 478-9046		bdyche@campo-nsn.gov	Diegueno	Imperial,San Diego	5/24/2024
Campo Band of Diegueno Mission Indians	F	Marcus Cuero, Chairperson	36190 Church Road, Suite 1 Campo, CA, 91906	(619) 478-9046		marcuscuero@campo-nsn.gov	Diegueno	Imperial,San Diego	5/15/2024
Campo Band of Diegueno Mission Indians	F	Daniel Tsosie, THPO	36190 Church Road, Suite 1 Campo, CA, 91906	(619) 760-6480		dtsosie@campo-nsn.gov	Diegueno	Imperial,San Diego	5/24/2024
Ewiiaapaayp Band of Kumeyaay Indians	F	Robert Pinto, Chairperson	4054 Willows Road Alpine, CA, 91901	(619) 368-4382	(619) 445-9126	ceo@ebki-nsn.gov	Diegueno	Imperial,San Diego	
Ewiiaapaayp Band of Kumeyaay Indians	F	Michael Garcia, Vice Chairperson	4054 Willows Road Alpine, CA, 91901	(619) 933-2200	(619) 445-9126	michaelg@leaningrock.net	Diegueno	Imperial,San Diego	
Iipay Nation of Santa Ysabel	F	Clint Linton, Director of Cultural Resources	P.O. Box 507 Santa Ysabel, CA, 92070	(760) 803-5694		clint@redtailenvironmental.com	Diegueno	Imperial,San Diego	11/30/2023
Inaja-Cosmit Band of Indians	F	Rebecca Osuna, Chairperson	2005 S. Escondido Blvd. Escondido, CA, 92025	(760) 737-7628	(760) 747-8568		Diegueno	Imperial,San Diego	
Jamul Indian Village	F	Erica Pinto, Chairperson	P.O. Box 612 Jamul, CA, 91935	(619) 669-4785	(619) 669-4817	epinto@jiv-nsn.gov	Diegueno	Imperial,San Diego	
Jamul Indian Village	F	Lisa Cumper, Tribal Historic Preservation Officer	P.O. Box 612 Jamul, CA, 91935	(619) 669-4855		lcumper@jiv-nsn.gov	Diegueno	Imperial,San Diego	9/5/2018
Kwaaymii Laguna Band of Indians	N	Carmen Lucas, Chairperson	P.O. Box 775 Pine Valley, CA, 91962	(619) 709-4207			Kwaaymii Diegueno	Imperial,San Diego	6/20/2023
La Posta Band of Diegueno Mission Indians	F	Gwendolyn Parada, Chairperson	8 Crestwood Road Boulevard, CA, 91905	(619) 478-2113	(619) 478-2125	LP13boots@aol.com	Diegueno	Imperial,San Diego	

Native American Heritage Commission
Native American Contact List
San Diego County
4/3/2025

Tribe Name	Fed (F) Non-Fed (N)	Contact Person	Contact Address	Phone #	Fax #	Email Address	Cultural Affiliation	Counties	Last Updated
Manzanita Band of Kumeyaay Nation	F	Angela Elliott Santos, Chairperson	P.O. Box 1302 Boulevard, CA, 91905	(619) 766-4930	(619) 766-4957		Diegueno	Imperial,San Diego	
Mesa Grande Band of Diegueno Mission Indians	F	Michael Linton, Chairperson	P.O Box 270 Santa Ysabel, CA, 92070	(760) 782-3818	(760) 782-9092		Diegueno	Imperial,San Diego	
San Pasqual Band of Diegueno Mission Indians	F	Allen Lawson, Chairperson	P.O. Box 365 Valley Center, CA, 92082	(760) 749-3200	(760) 749-3876		Diegueno	Imperial,San Diego	
Sycuan Band of the Kumeyaay Nation	F	Cody Martinez, Chairman	Sycuan Tribal Office: 1 Kwaaypaay Court El Cajon, CA, 92019	(619) 445-2613		cmartinez@sycuan-nsn.gov	Kumeyaay	Imperial,San Diego	8/7/2023
Sycuan Band of the Kumeyaay Nation	F	Bernice Paipa, Cultural Resource Specialist	Sycuan Cultural Center: 910 Willow Glen Drive El Cajon, CA, 92019	(619) 445-6917		bpaipa2@sycuan-nsn.gov	Kumeyaay	Imperial,San Diego	8/7/2023
Viejas Band of Kumeyaay Indians	F	Ray Teran, Resource Management Director	1 Viejas Grade Road Alpine, CA, 91901	(619) 659-2312		rteran@viejas-nsn.gov	Kumeyaay	Imperial,San Diego	6/29/2023
Viejas Band of Kumeyaay Indians	F	Ernest Pingleton, THPO	1 Viejas Grade Road Alpine, CA, 91901	(619) 445-3810		epingleton@viejas-nsn.gov	Kumeyaay	Imperial,San Diego	6/29/2023

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 Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for consultation with Native American tribes under Public Resources Code Sections 21080.3.1 for the proposed SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County.

Record: PROJ-2025-001764
Report Type: AB52 GIS
Counties: San Diego
NAHC Group: All

ASM Contact Log

Date	Affiliation	Name	Response Details	Other Notes
3/19/2025	ASM Affiliates	Terrence Luévano, Senior Archaeologist		Letters emailed Tribes with listed email addresses. Hard copy letters being sent to Mesa Grande by 3/28. Contacts based on 2024 NAHC SLF response
3/20/2025	Viejas Band of Kumeyaay Indians	Ray Teran, Resource Management Director	The Viejas Band of Kumeyaay Indians ("Viejas") has reviewed the proposed project and at this time we have determined that the project site has cultural significance or ties to Viejas. Cultural resources have been located within or adjacent to the APE-DE of the proposed project. Viejas Band request that a Kumeyaay Cultural Monitor be on site for ground disturbing activities and to inform us of any new developments such as inadvertent discovery of cultural artifacts, cremation sites, or human remains. If you wish to utilize Viejas cultural monitors (Viejas rate is $54.15/hr. plus GSA mileage), please call Ernest Pingleton at 619-655-0410 or email, epingleton@viejas-nsn.gov, for contracting and scheduling. Thank you.	
3/25/2025	Manzanita Band of Kumeyaay Indians	Angela Elliott-Santos, Chairwoman	Email Reponse acknowledging the receipt of the Information Request Letter. Manzanita states they would like to participate in the project.	Likely a formal letter response will be sent as well.
4/3/2025	ASM Affiliates	Terrence Luévano, Senior Archaeologist		Updated 2025 NAHC SLF response received. Contacts still the same as in 2024, with the addition of Carmen Lucas and the Kwaaymii Laguna Band of Mission Indians. Hard copy letter being sent to Ms. Lucas, along with a following up via phone.
4/3/2025	Kwaaymii Laguna Band of Indians	Carmen Lucas, Chairwoman	Answered a phone call from ASM Senior Archaeologist Terrence Luévano. After hearing a description of the Project and the hard copy letter being sent to her, Ms. Lucas stated that the Project is not within the Kwaaymii area of interest. Ms. Lucas indicated that Viejas and Sycuan should be contacted, as the project falls closer to their lands.	
4/17/2025	ASM Affiliates	Terrence Luévano, Senior Archaeologist		Sent follow up emails with information request letters to Bernice Paipa (Cultural Resource Specialist) and Cody Martinez (Chariman) of the Sycuan Band of the Kumeyaay Nation. Attempted to contact Ms. Paipa and Mr. Martinez at the phone numbers listed on the NAHC contact sheet. Ms. Paipa's number went to an automated operator that did not provide an extension for her, while Mr. Martinez's extension rang with no answer or diversion to voicemail.
4/17/2025	ASM Affiliates	Terrence Luévano, Senior Archaeologist		Sent follow up emails with information request letters to Lisa Cumper (THPO) and Erica Pinto (Chairwoman) of the Jamul Indian Village, and called Ms. Cumper. Left a follow up voicemail on Ms. Cumper's phone.

ASM Contact Log

Date	Affiliation	Name	Response Details	Other Notes
4/22/2025	ASM Affiliates	Terrence Luévano, Senior Archaeologist		Sent a follow up email with information request letter to Rebecca Osuna (Chairwoman) of the Inaja-Cosmit Band of Indians, and called at the phone number listed on the NAHC contact sheet. Left a follow up voicemail on Ms. Osuna's phone.
4/22/2025	ASM Affiliates	Terrence Luévano, Senior Archaeologist		Sent a follow up email with information request letter to Eric LaChappa (Chairman) of the La Posta Band of Diegueno Mission Indians. ASM does not have a phone number contact for Mr. LaChappa at this time (Mr. LaChappa recently became Chairman, NAHC still lists Gwendolyn Parada)
4/22/2025	La Posta Band of Diegueno Mission Indians	Eric LaChappa Sr., Chairman	Email Reponse to follow up email. Chairman LaChappa states that La Posta will be interested in the survey, and cc'ed Vice Chairman James Hill and Trival Coordinator Joe Silva.	
4/22/2025	ASM Affiliates	Terrence Luévano, Senior Archaeologist		Sent a follow up email with information request letter to Curtis LaChusa (Chairman) of the Mesa Grande Band of Mission Indians, and called at the phone number listed on the NAHC contact sheet for former Chairman Michael Linton. Reached operator, who attempted to put me in touch with Gabriel Kitchen (Mesa Grande's Cultural Chair).
4/22/2025	Mesa Grande Band of Mission Indians	Gabriel Kitchen, Cultural Chair	Answered a phone call from ASM Senior Archaeologist Terrence Luévano. After hearing a description of the Project, Mr. Kitchen inquired whether the southern Kumeyaay Tribes had been contacted. After being informed that Kwaaymii, La Posta, Manzanita, Sycuan, and Viejas have been contacted (and with Viejas providing survey) and that more Tribes were in the process of being contacted, Mr. Kitchen stated that Mesa Grande will defer to Viejas and Sycuan.	
4/22/2025	La Posta Band of Diegueno Mission Indians	Joe Silva, Cultural Coordinator	Email response to follow up email. Mr. Silva inquired whether any other tribes have been contacted and are a part of the survey. Mr. Silva also inquired if the survey had already started. ASM Senior Archaeologist Terrence Luévano responded that Tribes had been contacted in late March, and Tribes that hadn't responded were being recontacted. Mr. Luévano also notified them that the survey had started, with Viejas providing monitoring.	
4/22/2025	ASM Affiliates	Terrence Luévano, Senior Archaeologist		Sent a follow up email with information request letter to Art Bunce, Attorney for the Barona Group of the Capitan Grande, and called at the phone number listed on the NAHC contact sheet. Left a follow-up voicemail on Mr. Bunce's phone.
4/22/2025	ASM Affiliates	Terrence Luévano, Senior Archaeologist		Sent follow up emails with information request letters to Robert Pinto (Chairman) and Michael Garcia (Vice Chairman) of the Ewiiaapaayp Band of Kumeyaay Indians, and called both at the phone numbers listed on the NAHC contact sheet. Left a follow up voicemail on Mr. Garcia's phone.

ASM Contact Log

Date	Affiliation	Name	Response Details	Other Notes
4/22/2025	Ewiiaapaayp Band of Kumeyaay Indians	Robert Pinto, Chairman	Answered a phone call from ASM Senior Archaeologist Terrence Luévano. After hearing a description of the Project, Mr. Pinto stated the Ewiiaapaayp Band had no concerns regarding the project. Mr. Pinto then inquired whether the project was overhead transmission or underground. Mr. Luévano clarified it is a mixture of both methods, and Mr. Pinto reiterated that Ewiiaapaayp Band had no concerns.	
4/22/2025	ASM Affiliates	Terrence Luévano, Senior Archaeologist		Sent follow up emails with information request letters to Marcus Cuero (Chairman), Ben Dyche (Vice Chairman), and Daniel Tsosie (Cultural Resource Manager) of the Campo Band of Diegueno Mission Indians. Will call Mr. Tsosie at the phone number listed on the NAHC contact sheet.
4/22/2025	Campo Band of Diegueno Mission Indians	Daniel Tsosie, Cultural Resource Manager	Answered a phone call from ASM Senior Archaeologist Terrence Luévano. After hearing a description of the Project, Mr. Tsosie stated that he would send a formal response to the information request letter.	
4/22/2025	ASM Affiliates	Terrence Luévano, Senior Archaeologist		Sent a follow up email with information request letter to Desiree Morales Whitman (THPO) of the San Pasqual Band of Mission Indians, and also called. Left a follow up voicemail on Ms. Whitman's phone.
4/22/2025	ASM Affiliates	Terrence Luévano, Senior Archaeologist		Re-emailed the information request letter to Angela Elliott-Santos (Chairwoman) of the Manzanita Band of the Kumeyaay Nation after no formal response letter since the initial contact.
4/22/2025	Ewiiaapaayp Band of Kumeyaay Indians	Michael Garcia, Vice Chairman	Responded to a voicemail from ASM Senior Archaeologist Terrence Luévano via phone call. Mr. Garcia stated that the Ewiiaapaayp Band had no concerns regarding the project, as their concerns are within their reservation.	
4/22/2025	Manzanita Band of the Kumeyaay Nation	Veronica Santos, Tribal Historic Preservation Officer	Responded to ASM Senior Archaeologist Terrence Luévano's emailed letter via phone call. Ms. Santos stated that Manzanita would like their monitors to be included as a part of the survey. Ms. Santos is the point of contact for scheduling monitors.	Ms. Santos can be contacted at (619) 204-7514.
4/22/2025	San Pasqual Band of Mission Indians	Desiree Morales Whitman, Tribal Historic Preservation Officer	Responded to a voicemail from ASM Senior Archaeologist Terrence Luévano via phone call. After hearing a description of the Project, Ms. Whitman stated the San Pasqual Band defers to Viejas and Sycuan. Ms. Whitman also stated that San Pasqual was willing to offer Native American monitors if no other Tribe had any available, or if extra monitors were needed.	

ASM Contact Log

Date	Affiliation	Name	Response Details	Other Notes
4/22/2025	Campo Band of Diegueno Mission Indians	Daniel Tsosie, Cultural Resource Manager	Hello Terrence, thank you for reaching out. On behalf of Campo Band of Mission Indians, we have reviewed "SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project". Due to the extent of ground disturbance or the proposed project, we want to request that we Campo Band OMI are included in CEQA/NEPA Consultation. The proposed project area is within Campo's Ancestral Kumeyaay territory, we also want to request that we are included during Environmental Review process with our Cultural Monitoring team. We find it is very important we are included collaboratively in order to implement best practices in preservation of Tribal Cultural Resources/ PRTCI's (Properties of Traditional Religious and Cultural Importance. Crest substation is a prime example of High Concerns and cultural injustice example, removal of milling feature. I understand there is a nexus of CEQA and NEPA, i would like to discuss which applies throughout project areas. We look forward to meeting, we also will want to set up some site visits. If feasible, we would like to see any documentation regarding cultural resources within the APE. Please feel free to give me a call if you have any questions.	Formal email response.
4/22/2025	Barona Group of the Capitan Grande	Art Bunce, Tribal Attorney	Hello there, On behalf of the Barona Band, I am writing to express support for the current survey for cultural resources. However, because the site of the project is within the ancestral territory of the Viejas and Sycuan Bands, the Barona Band will defer to them and support whatever measures they think appropriate for preservation of cultural resources. Sincerely, Art Bunce Tribal Attorney	Formal email response.
6/25/2025	San Diego Gas and Electric	Shannon Foglia, Team Lead (Cultural Resources)	Ms. Foglia notified ASM that she sent Iipay Nation Contact Clint Linton the follow up information request letter for the Project on 5/12/2025	

March 19, 2025

Mr. Art Bunce
Barona Group of the Capitan Grande
1095 Barona Road
Lakeside, California 92040

RE: Information Request Letter for the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County, California

Dear Mr. Bunce,

ASM Affiliates, Inc. (ASM) is conducting a cultural resource study for the SDG&E Sycamore Canyon 230 Kilovolt (kV) Loop-In to Suncrest Project Project (Project) which will run through the communities of La Cresta, Harbison Canyon, Alpine, and Japatul, San Diego County, California. The Project is shown on the USGS Alpine, El Cajon, and Viejas, California 7.5-minute quadrangles within the following sections (Figures 1-5):

Township: 15S Range: 1E Section(s): 34, 35
Township: 16S Range: 1E Section(s): 1, 2, 3, 4, Unsectioned (El Cajon Land Grant)
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This study is being undertaken in accordance with the California Environmental Quality Act (CEQA) requirements and National Environmental Protection Act (NEPA) Requirements. The California Public Utilities Commission (CPUC) is the lead CEQA agency for the Project while the United States Forest Service (USFS) is the lead NEPA agency for the Project. The Project will involve the installation of a new double-circuit 230 kV transmission line, as well as modifications to two existing SDG&E substations (i.e., the Suncrest Substation and Sycamore Canyon Substation). Specifically, the project will involve:

- Construction of a new approximately 14 to 16 mile-long, double-circuit 230 kV transmission line segment consisting of overhead and underground configurations to interconnect (or "loop") SDG&E's existing TL23021 into the Suncrest Substation.
- Modifications to the Suncrest Substation, which include the following:
    - installation of a new 500/230 kV transformer, consisting of four separate single-phase units, and associated tertiary reactors, circuit breakers, disconnects, and communication equipment;
    - relocation of an existing 230 kV shunt capacitor and current limiting reactors; and
    - demolition and relocation of an equipment yard and warehouse, which is currently located within the substation's fenced limits, to a nearby location.
- Modifications to the Sycamore Canyon Substation, which include upgrading existing 230 kV breakers from 2000 ampere (A) rated to 3000A rated circuit breakers and installing associated equipment.

A record search of the Sacred Lands File (SLF) with the California Native American Heritage Commission (NAHC) on September 17, 2024, for a previous proposed Project route was positive. An updated record search of the is SLF is being conducted due changes to the Project route since then; however, it is expected

that the result will still be positive and that you will be identified as a contact. SDG&E has completed a record search at the South Coastal Information Center and provided the information to ASM, and archaeological surveys are projected to begin in April of 2025.

We are contacting you to find out if you are aware of any issues of cultural concern regarding the area shown on the enclosed Project maps. In particular, we would like to know if you have any knowledge of Traditional Cultural Properties, Sacred Sites, Tribal Cultural Resources, resource collecting areas, or any other areas of concern of which you wish us to be aware. All information provided will be kept confidential.

If you have any questions or concerns regarding the proposed Project, we will contact you about the best way to include consideration of the concerns while maintaining confidentiality. You can contact me at tluevano@asmaffiliates.com or 619-851-4036. We appreciate any input you may have on this project and any information you provide us will remain confidential.

Respectfully Yours,

Terrence Luévano, M.A, RPA
Senior Archaeologist
ASM Affiliates, Inc.
tluevano@asmaffiliates.com

Attachments:

Figure 1. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project. Page 1

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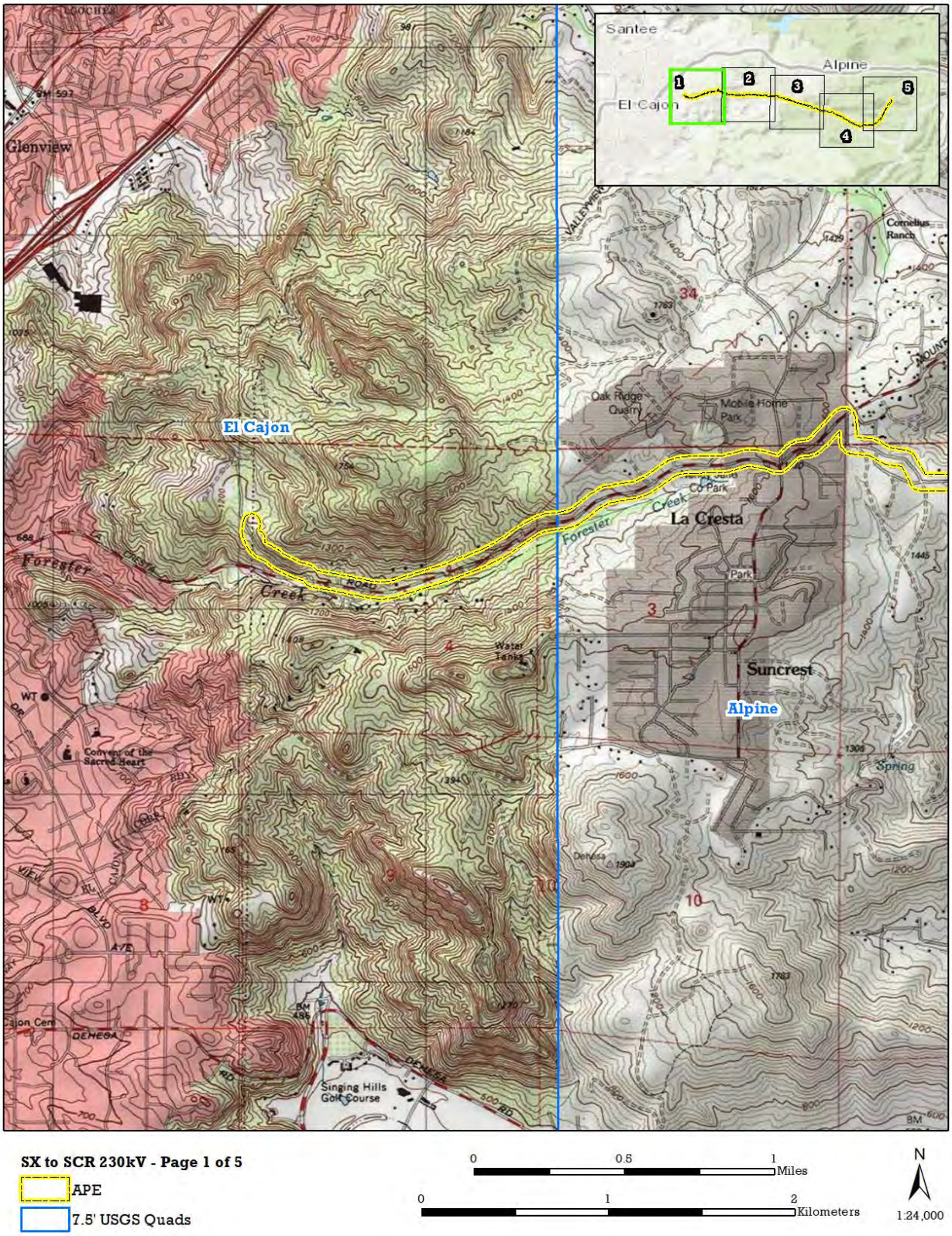

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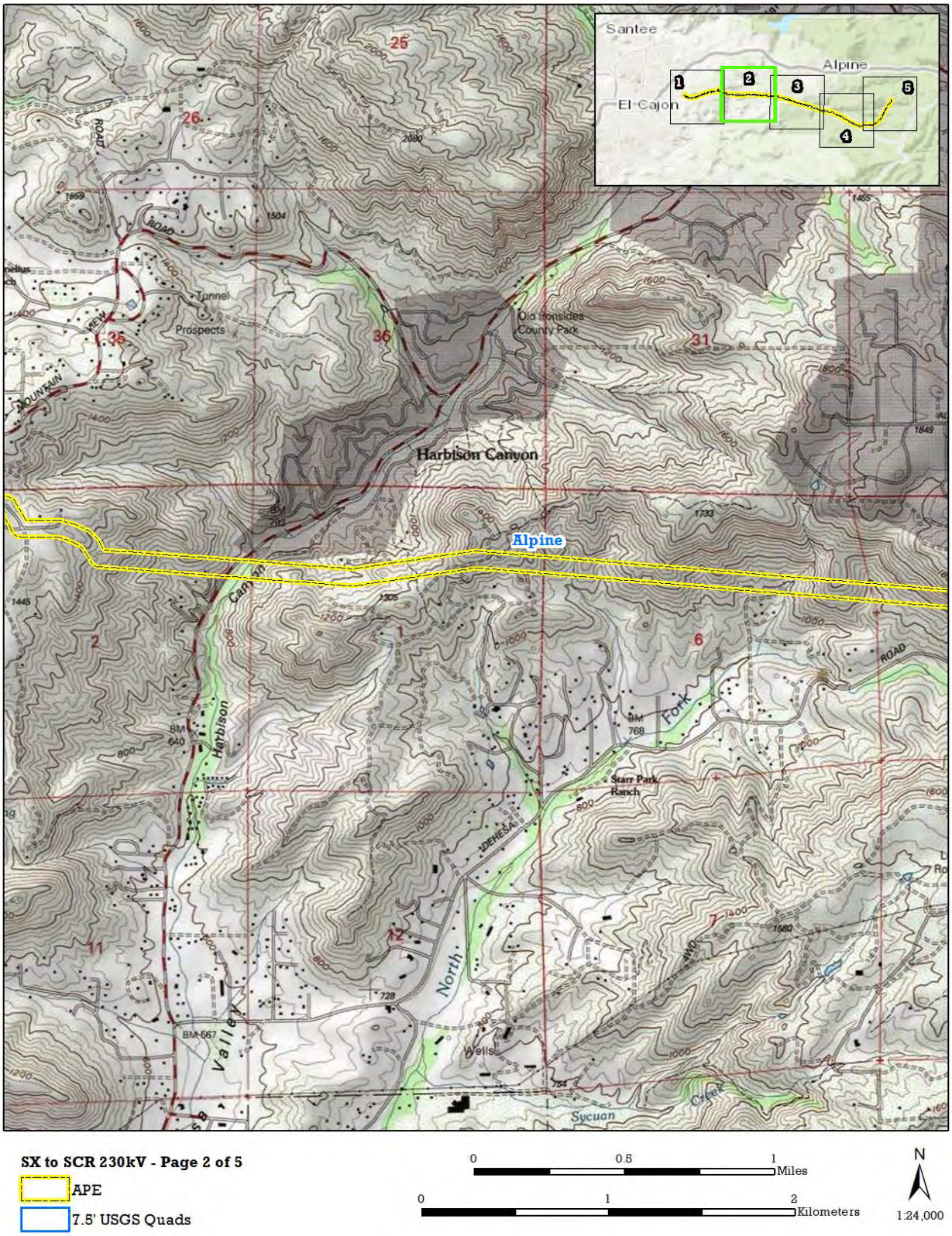

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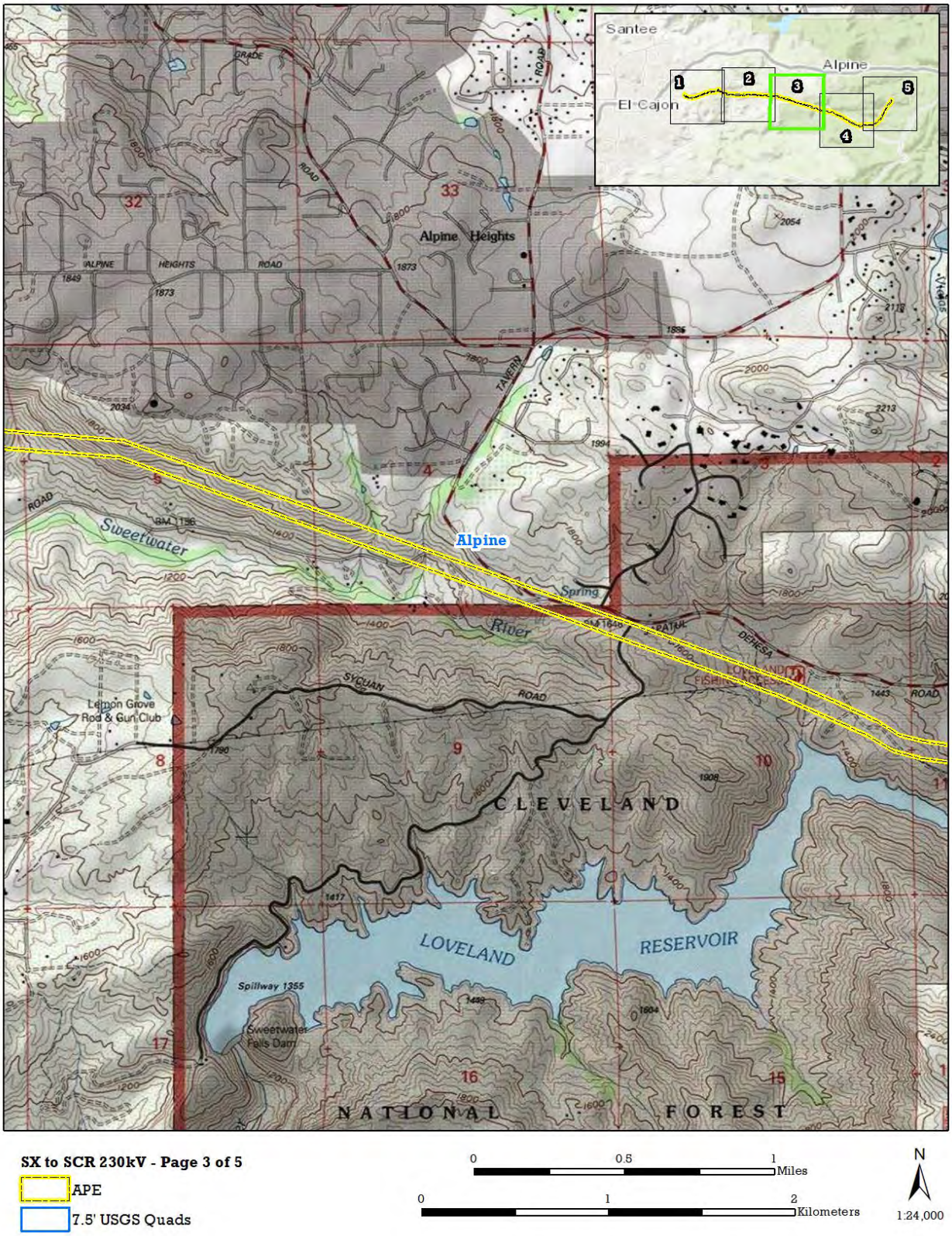

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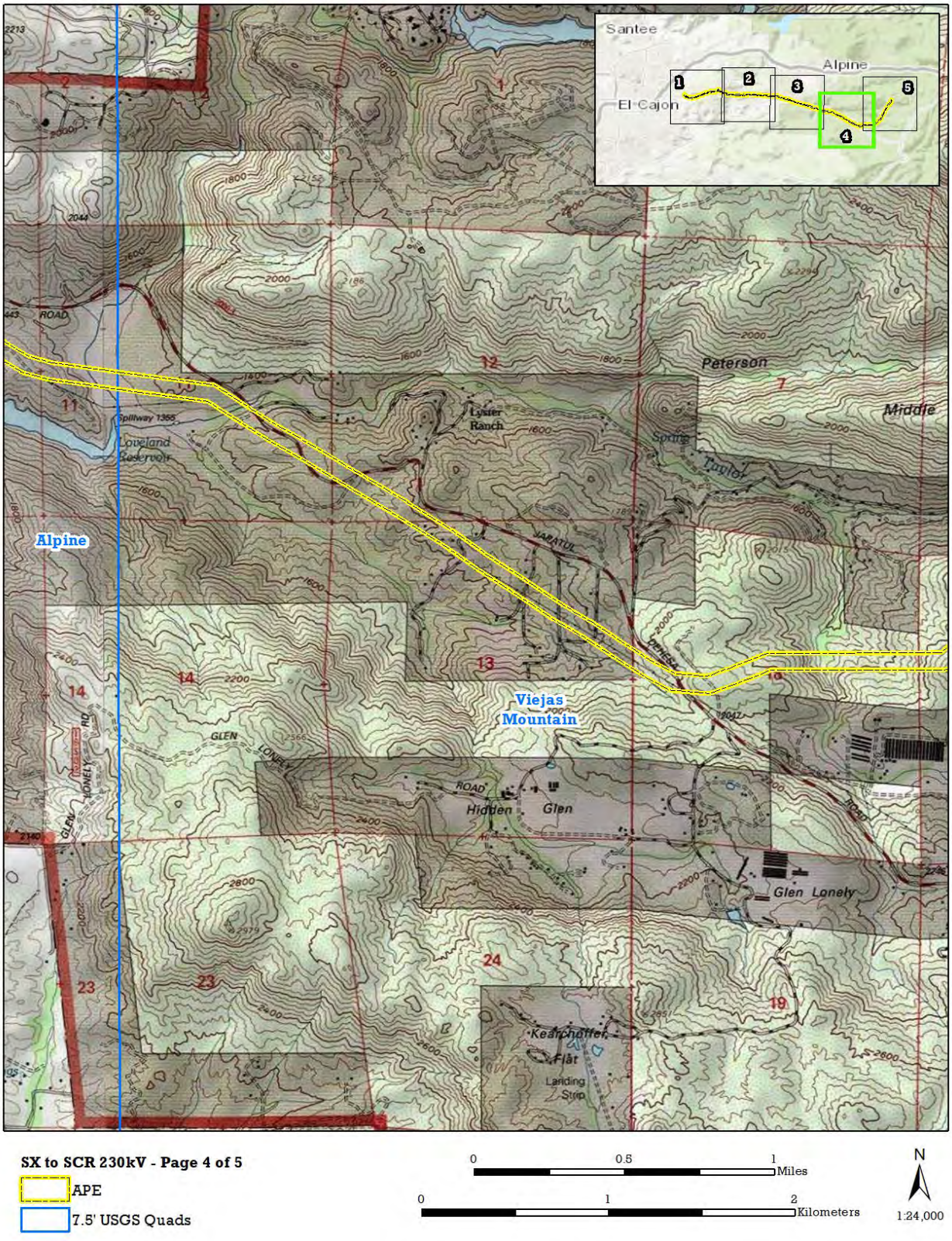

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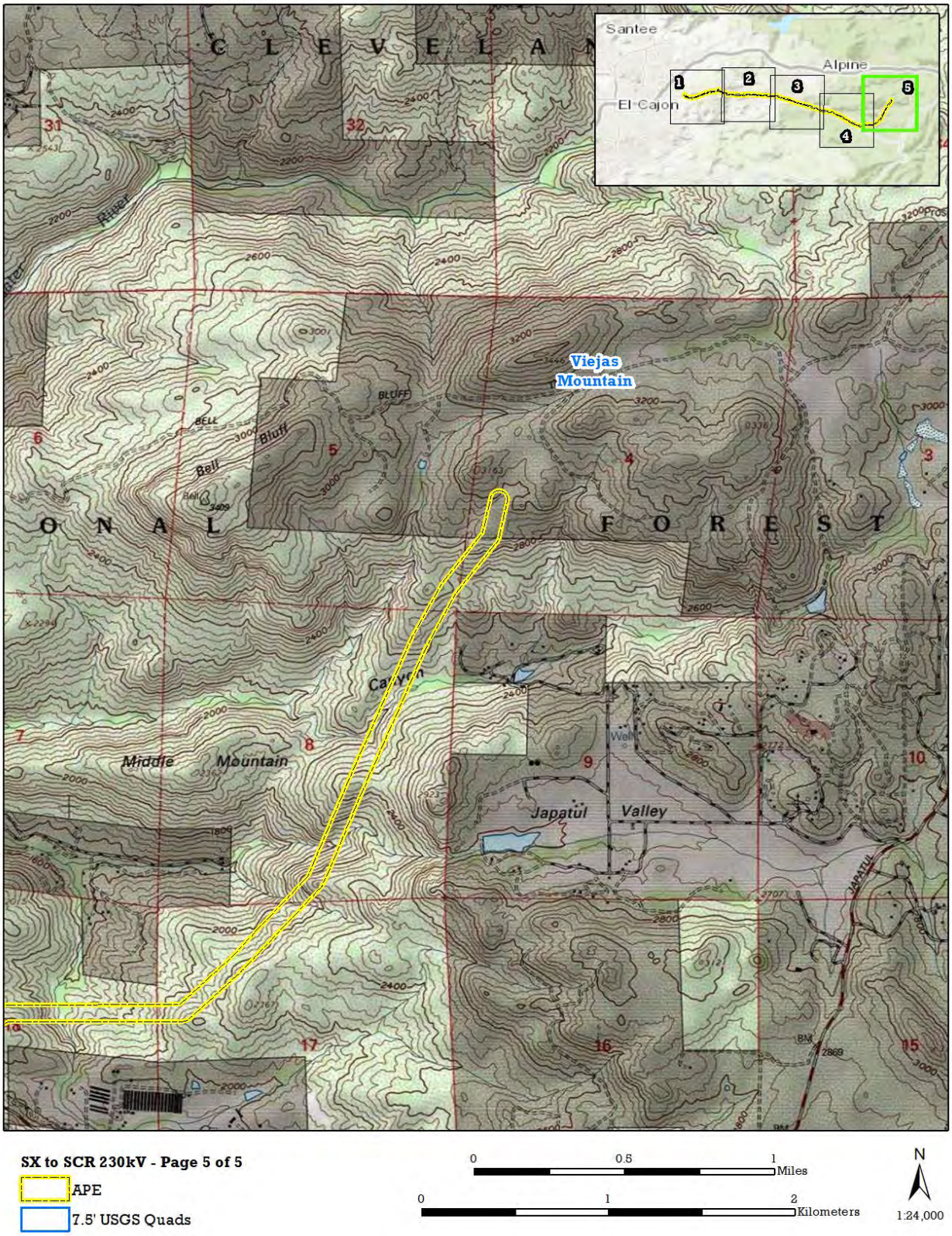

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Page 5

March 19, 2025

Vice Chairperson Ben Dyche
Campo Band of Diegueno Mission Indians
36190 Church Road, Suite 1
Campo, California 91906

RE: Information Request Letter for the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County, California

Dear Vice Chairperson Dyche,

ASM Affiliates, Inc. (ASM) is conducting a cultural resource study for the SDG&E Sycamore Canyon 230 Kilovolt (kV) Loop-In to Suncrest Project Project (Project) which will run through the communities of La Cresta, Harbison Canyon, Alpine, and Japatul, San Diego County, California. The Project is shown on the USGS Alpine, El Cajon, and Viejas, California 7.5-minute quadrangles within the following sections (Figures 1-5):

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This study is being undertaken in accordance with the California Environmental Quality Act (CEQA) requirements and National Environmental Protection Act (NEPA) Requirements. The California Public Utilities Commission (CPUC) is the lead CEQA agency for the Project while the United States Forest Service (USFS) is the lead NEPA agency for the Project. The Project will involve the installation of a new double-circuit 230 kV transmission line, as well as modifications to two existing SDG&E substations (i.e., the Suncrest Substation and Sycamore Canyon Substation). Specifically, the project will involve:

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A record search of the Sacred Lands File (SLF) with the California Native American Heritage Commission (NAHC) on September 17, 2024, for a previous proposed Project route was positive. An updated record search of the is SLF is being conducted due changes to the Project route since then; however, it is expected

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We are contacting you to find out if you are aware of any issues of cultural concern regarding the area shown on the enclosed Project maps. In particular, we would like to know if you have any knowledge of Traditional Cultural Properties, Sacred Sites, Tribal Cultural Resources, resource collecting areas, or any other areas of concern of which you wish us to be aware. All information provided will be kept confidential.

If you have any questions or concerns regarding the proposed Project, we will contact you about the best way to include consideration of the concerns while maintaining confidentiality. You can contact me at tluevano@asmaffiliates.com or 619-851-4036. We appreciate any input you may have on this project and any information you provide us will remain confidential.

Respectfully Yours,

Terrence Luévano, M.A, RPA
Senior Archaeologist
ASM Affiliates, Inc.
tluevano@asmaffiliates.com

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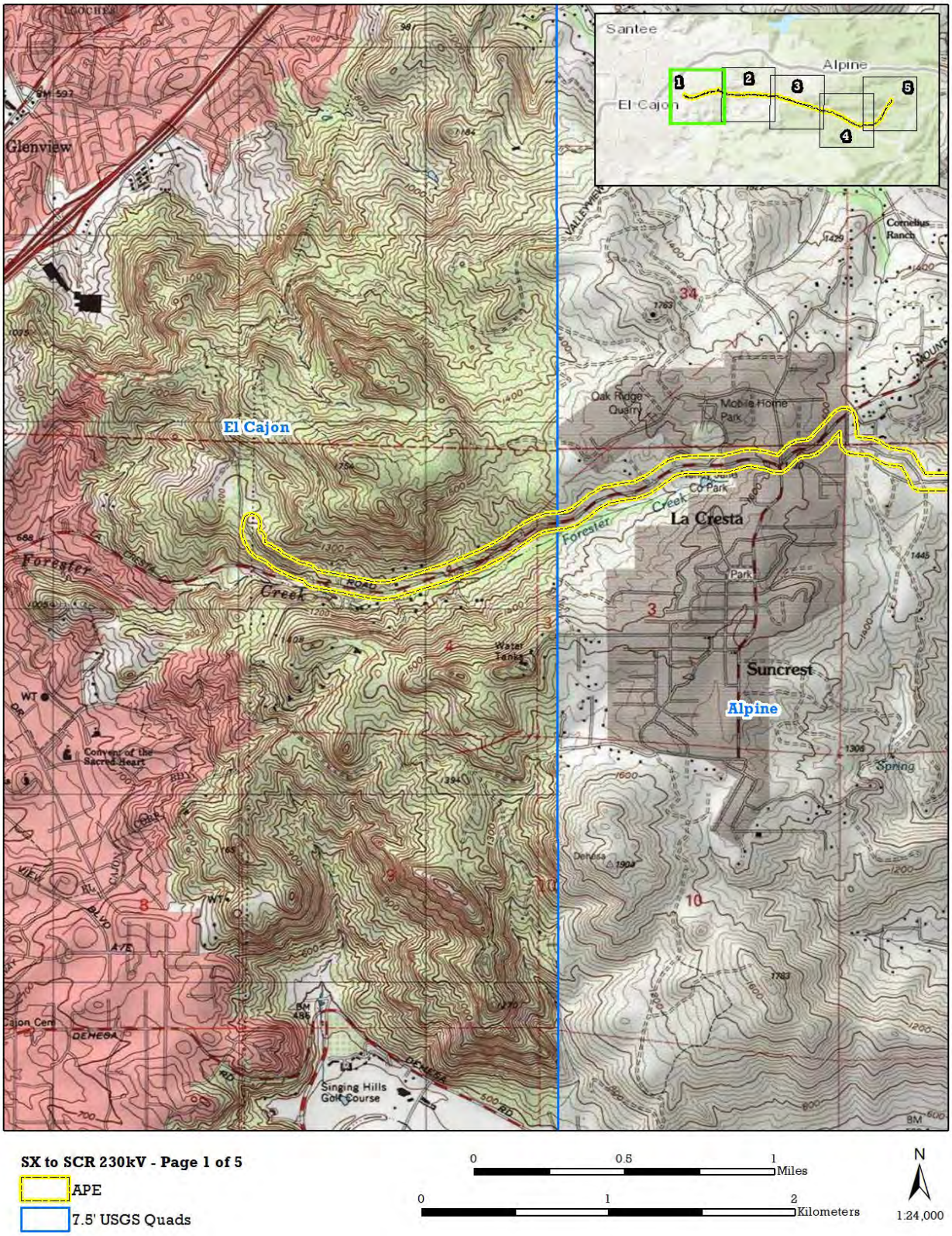

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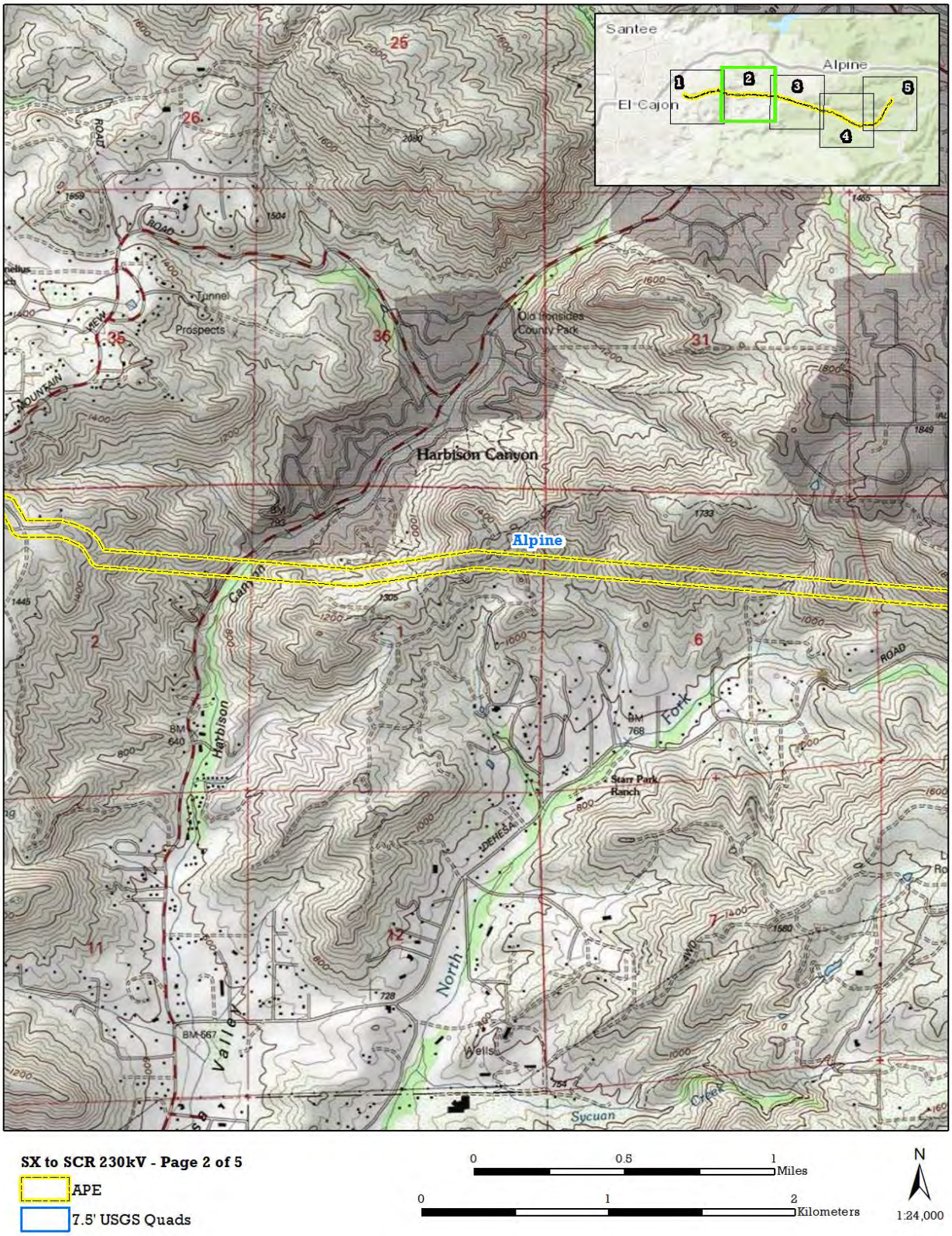

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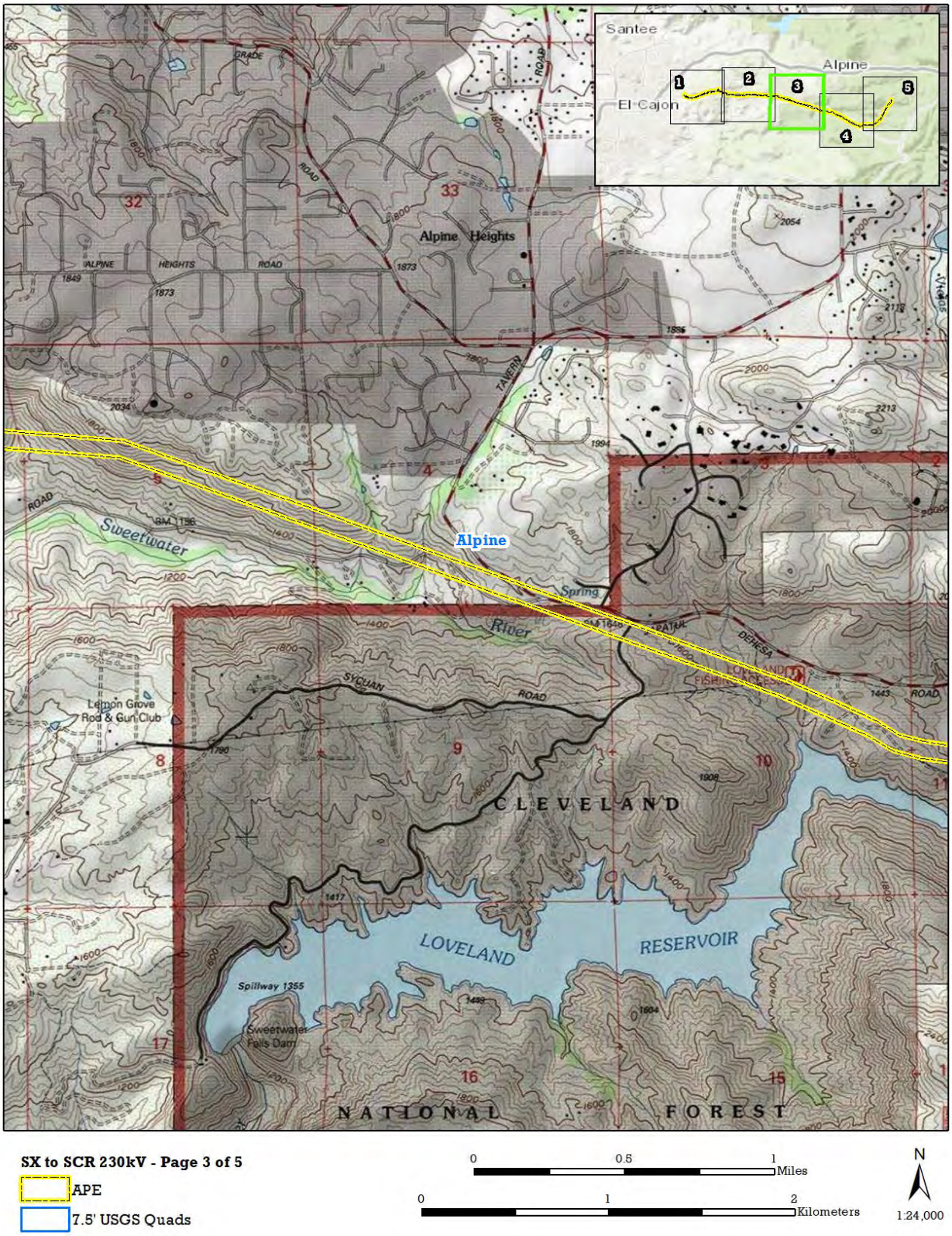

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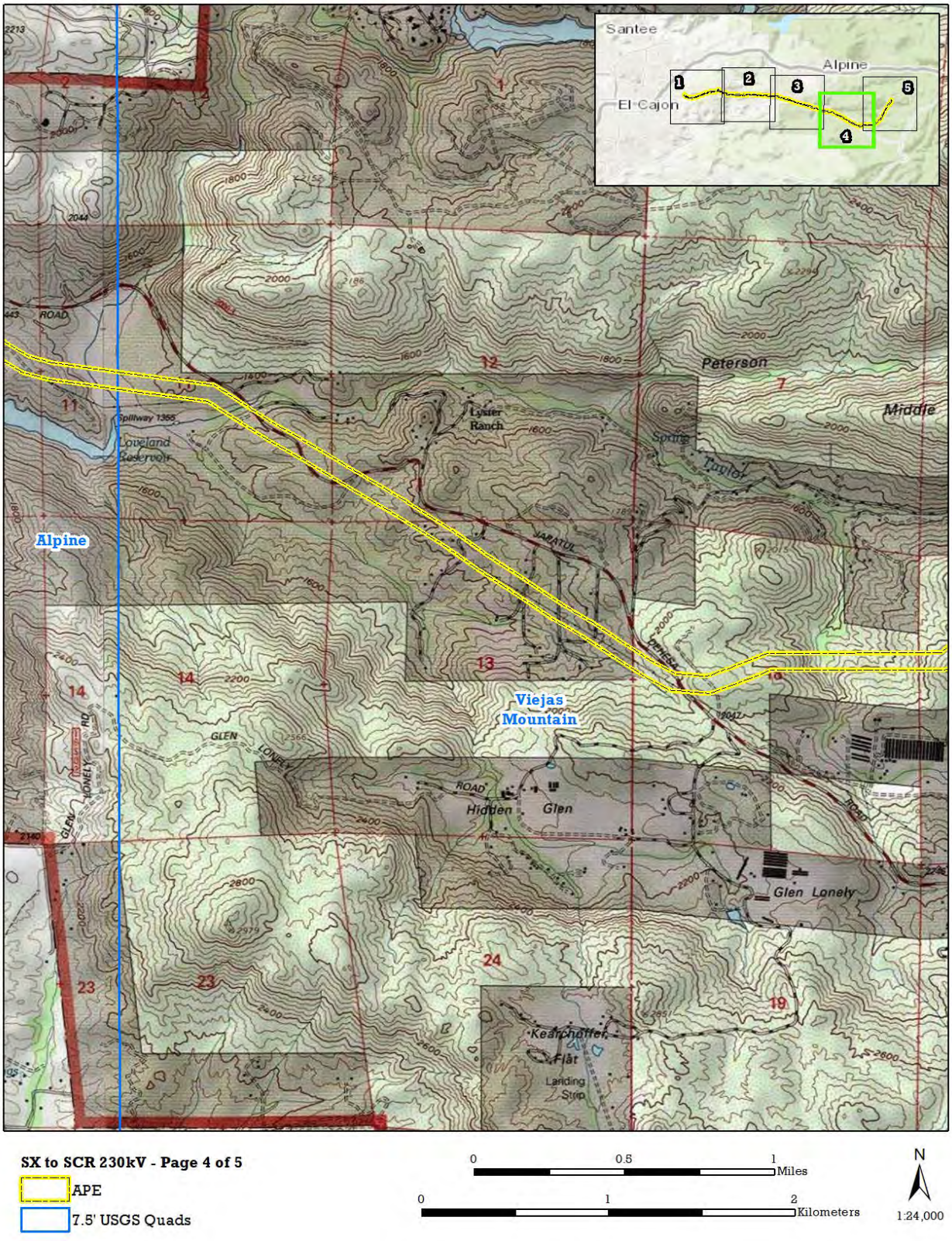

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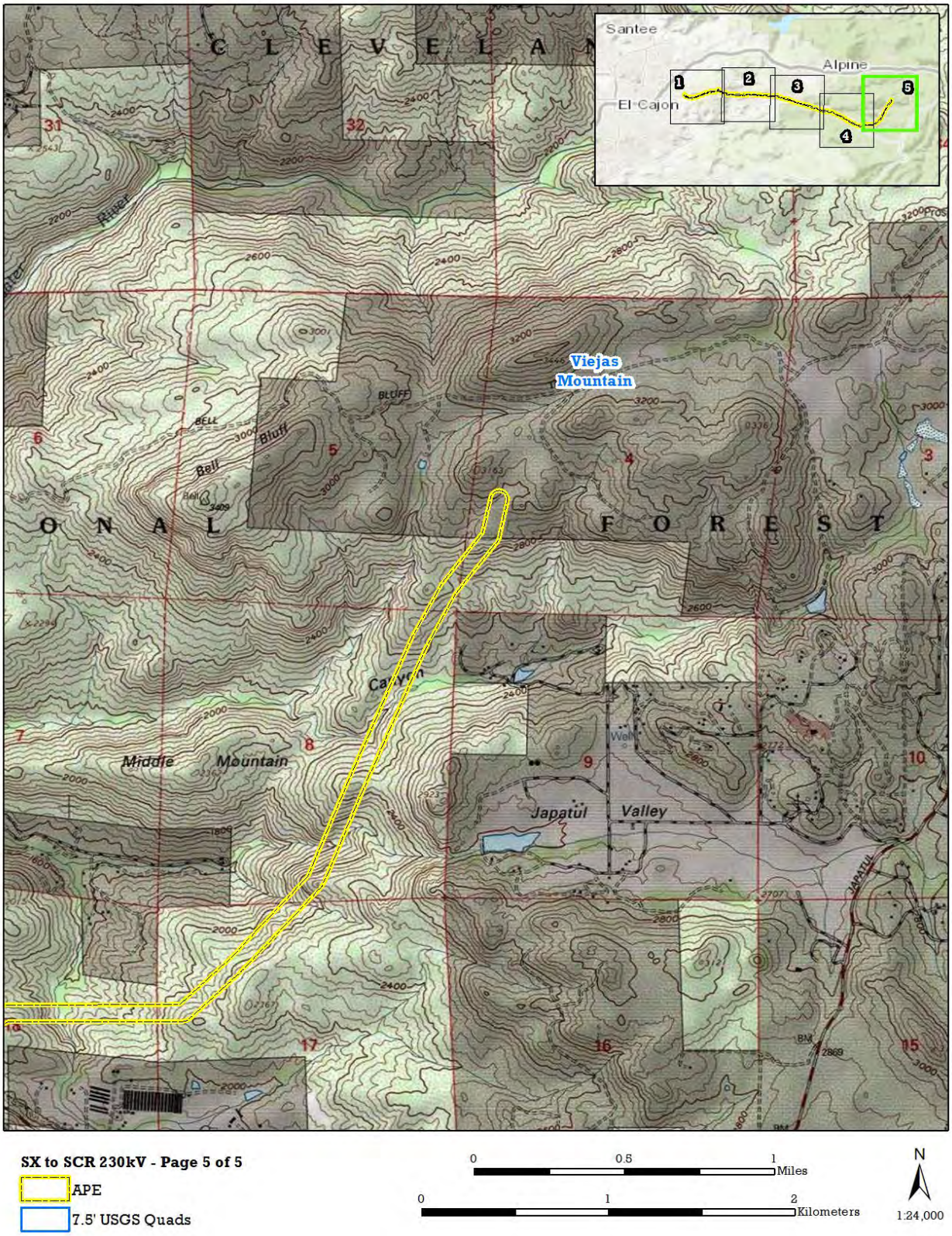

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March 19, 2025

Mr. Daniel Tsosie
Campo Band of Diegueno Mission Indians
36190 Church Road, Suite 1
Campo, California 91906

RE: Information Request Letter for the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County, California

Dear Mr. Tsosie,

ASM Affiliates, Inc. (ASM) is conducting a cultural resource study for the SDG&E Sycamore Canyon 230 Kilovolt (kV) Loop-In to Suncrest Project Project (Project) which will run through the communities of La Cresta, Harbison Canyon, Alpine, and Japatul, San Diego County, California. The Project is shown on the USGS Alpine, El Cajon, and Viejas, California 7.5-minute quadrangles within the following sections (Figures 1-5):

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ASM Affiliates, Inc.
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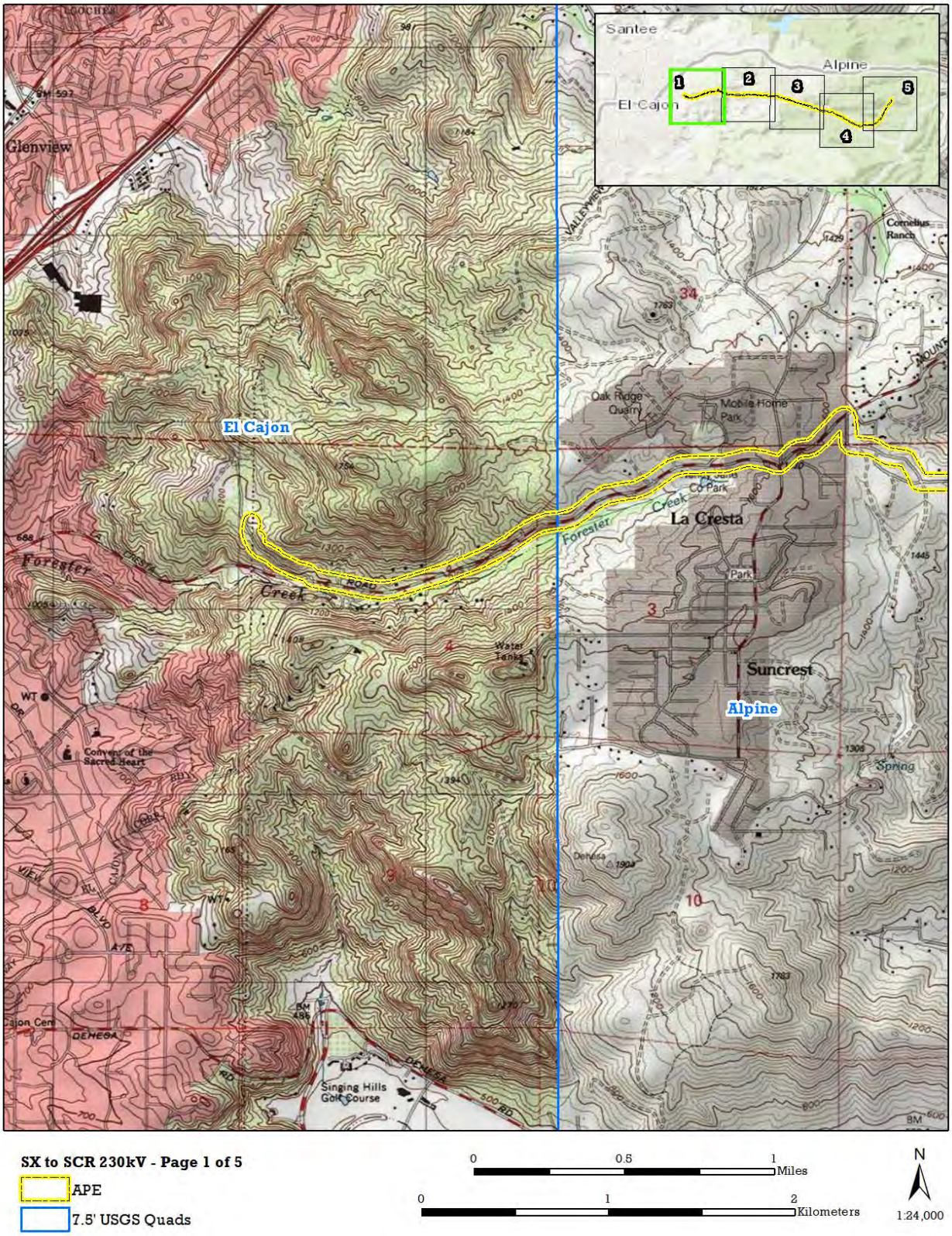

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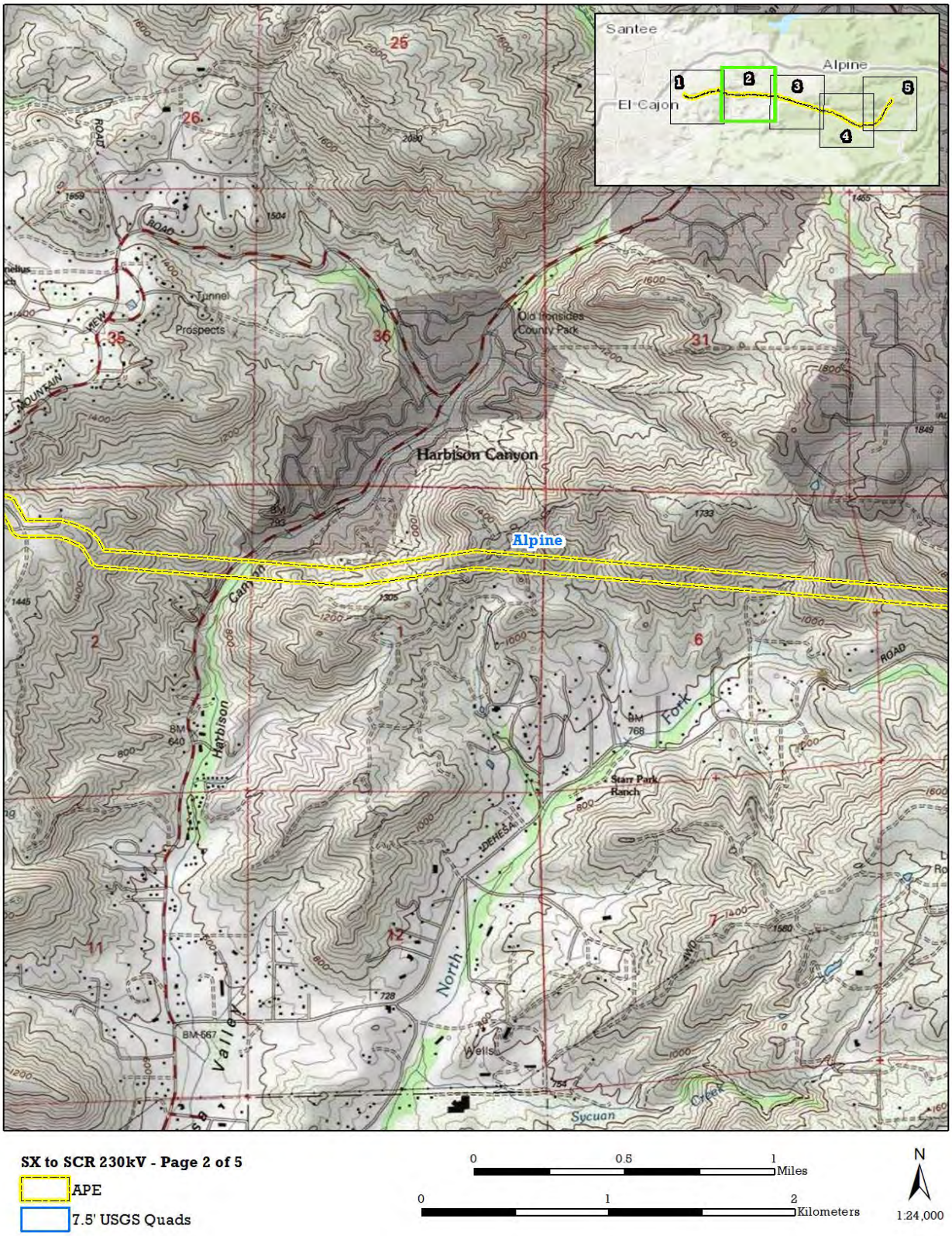

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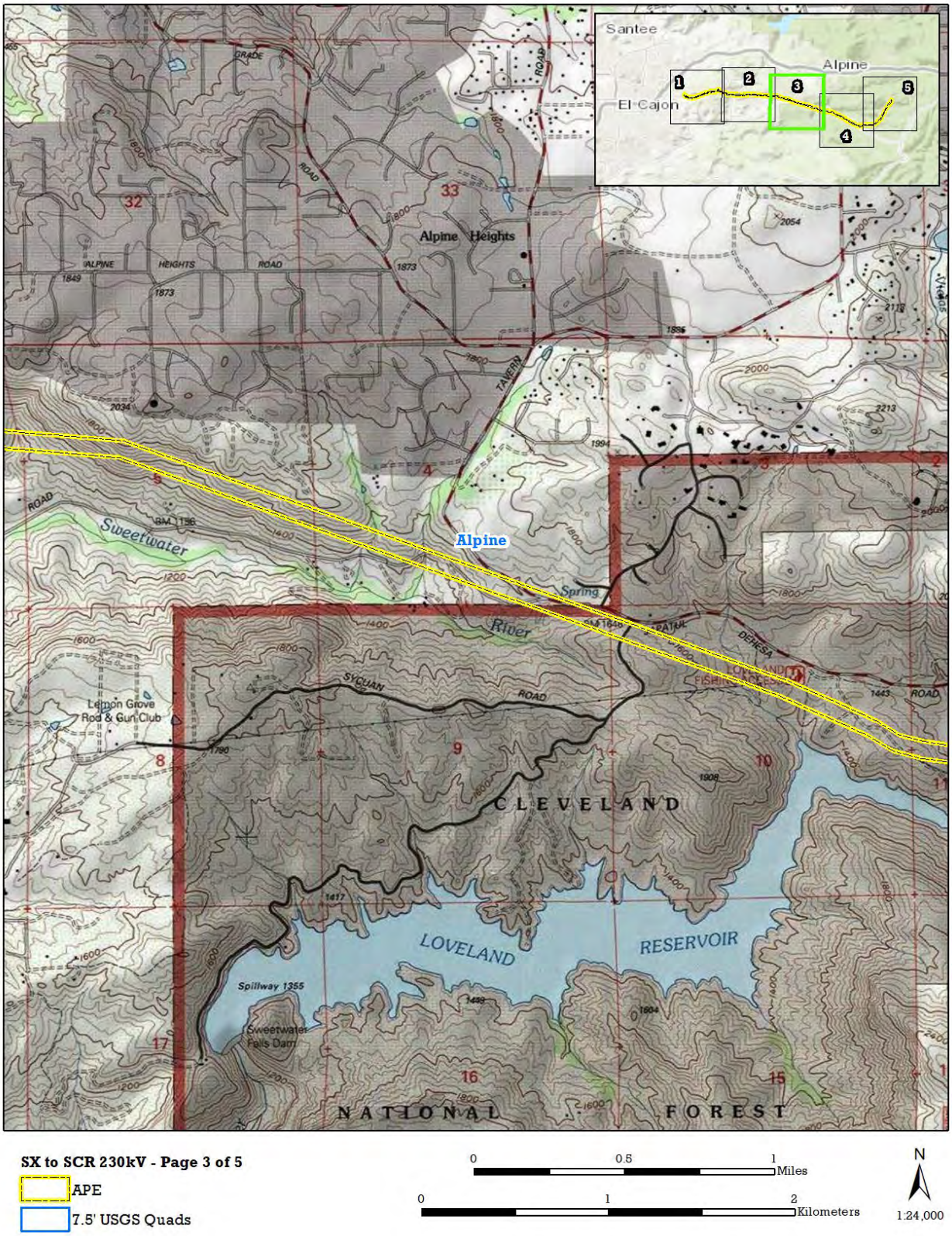

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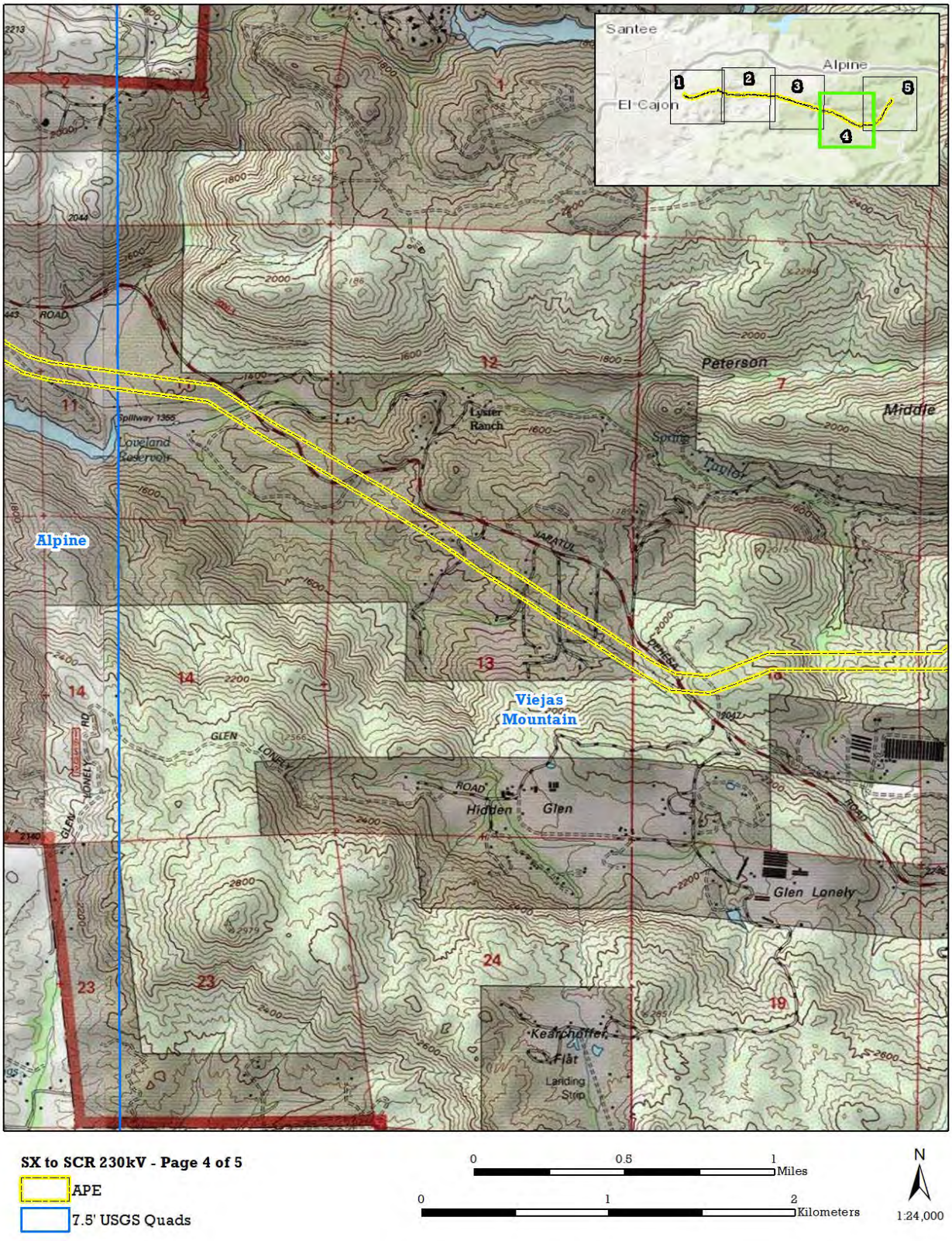

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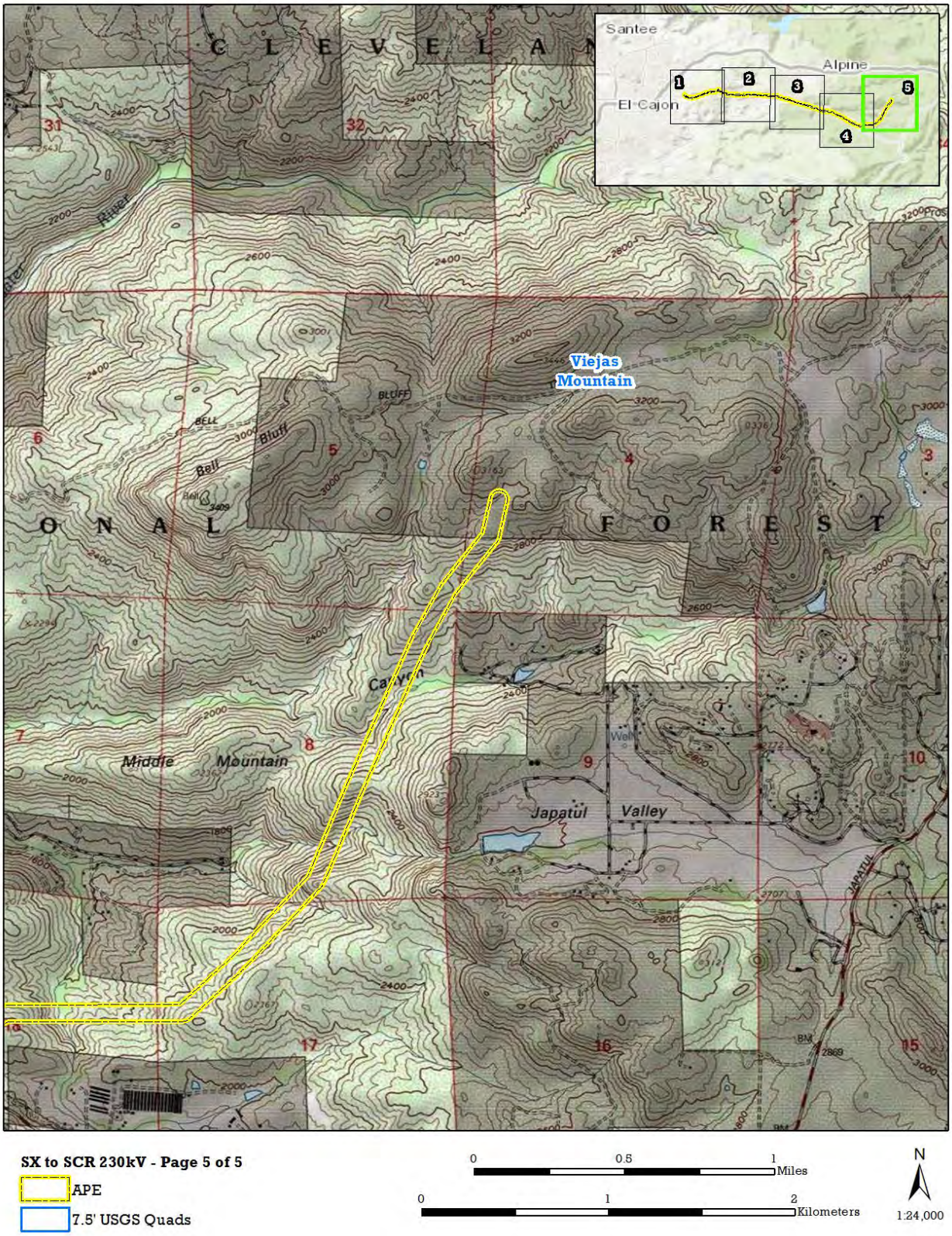

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Page 5

Outlook

[EXTERNAL] Re: Information Request Letter: SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project

From Daniel Tsosie <dtsosie@campo-nsn.gov>
Date Tue 4/22/2025 3:34 PM
To Terrence Luévano <tluevano@asmaffiliates.com>

Caution: This email is from an EXTERNAL sender. Be safe and verify links and/or attachments prior to opening.
Hello Terrence, thank you for reaching out.

On behalf of Campo Band of Mission Indians, we have reviewed "**SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project". Due to the extent of ground disturbance or the proposed project, we want to request that we Campo Band OMI are included in CEQA/NEPA Consultation.**

The proposed project area is within Campo's Ancestral Kumeyaay territory, we also want to request that we are included during Environmental Review process with our Cultural Monitoring team. We find it is very important we are included collaboratively in order to implement best practices in preservation of Tribal Cultural Resources/ PRTCI's (Properties of Traditional Religious and Cultural Importance. Crest substation is a prime example of High Concerns and cultural injustice example, removal of milling feature.

I understand there is a nexus of CEQA and NEPA, i would like to discuss which applies throughout project areas. We look forward to meeting, we also will want to set up some site visits. If feasible, we would like to see any documentation regarding cultural resources within the APE. Please feel free to give me a call if you have any questions.

From: Terrence Luévano <tluevano@asmaffiliates.com>
Sent: Tuesday, April 22, 2025 11:18 AM
To: Daniel Tsosie <dtsosie@campo-nsn.gov>
Subject: Re: Information Request Letter: SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project

Dear Mr. Tsosie,

I'm following up again regarding SDG&E's Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project. ASM is conducting a survey in support of the project and has previously sent an information request letter. The project is a proposed powerline running through the communities of La Cresta, Harbison Canyon, Alpine, and Japatul, San Diego County, California. We welcome your feedback on this Project and have reattached your information request letter outlining the project for your review.

Our survey is tentatively scheduled for April 21st through May 21st, and we would like to inquire about your interest in the survey and in the project. Please respond by April 25, 2025, if you have an interest in the survey. You can contact me at (619) 851-4036 or at tluevano@asmaffiliates.com.

Please do not hesitate to contact me if you have any questions.

Sincerely,
Terrence Luévano

From: Terrence Luévano
Sent: Wednesday, March 19, 2025 5:03 PM
To: Daniel Tsosie <dtsosie@campo-nsn.gov>
Subject: Information Request Letter: SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project

Hello,

Attached to this email is an information request letter for the upcoming SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project. It is a proposed 16 mile powerline running roughly through the communities of La Crest, Harbison Canyon, Alpine, and Japatul and ASM invites the Tribe's response regarding the project as detailed in the information request letter.

Please do not hesitate to contact me if you have any questions.

Sincerely,
Terrence Luévano

Terrence Luévano M.A., RPA | Senior Archaeologist
7710 Balboa Ave., Suite 303 San Diego, CA | O: (619) 738-4030 | M: (619) 851-4036
tluevano@asmaffiliates.com | https://asmaffiliates.com

March 19, 2025

Chairperson Marcus Cuero
Campo Band of Diegueno Mission Indians
36190 Church Road, Suite 1
Campo, California 91906

RE: Information Request Letter for the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County, California

Dear Chairperson Cuero,

ASM Affiliates, Inc. (ASM) is conducting a cultural resource study for the SDG&E Sycamore Canyon 230 Kilovolt (kV) Loop-In to Suncrest Project Project (Project) which will run through the communities of La Cresta, Harbison Canyon, Alpine, and Japatul, San Diego County, California. The Project is shown on the USGS Alpine, El Cajon, and Viejas, California 7.5-minute quadrangles within the following sections (Figures 1-5):

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This study is being undertaken in accordance with the California Environmental Quality Act (CEQA) requirements and National Environmental Protection Act (NEPA) Requirements. The California Public Utilities Commission (CPUC) is the lead CEQA agency for the Project while the United States Forest Service (USFS) is the lead NEPA agency for the Project. The Project will involve the installation of a new double-circuit 230 kV transmission line, as well as modifications to two existing SDG&E substations (i.e., the Suncrest Substation and Sycamore Canyon Substation). Specifically, the project will involve:

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- Modifications to the Suncrest Substation, which include the following:
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    - demolition and relocation of an equipment yard and warehouse, which is currently located within the substation's fenced limits, to a nearby location.
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If you have any questions or concerns regarding the proposed Project, we will contact you about the best way to include consideration of the concerns while maintaining confidentiality. You can contact me at tluevano@asmaffiliates.com or 619-851-4036. We appreciate any input you may have on this project and any information you provide us will remain confidential.

Respectfully Yours,

Terrence Luévano, M.A, RPA
Senior Archaeologist
ASM Affiliates, Inc.
tluevano@asmaffiliates.com

Attachments:

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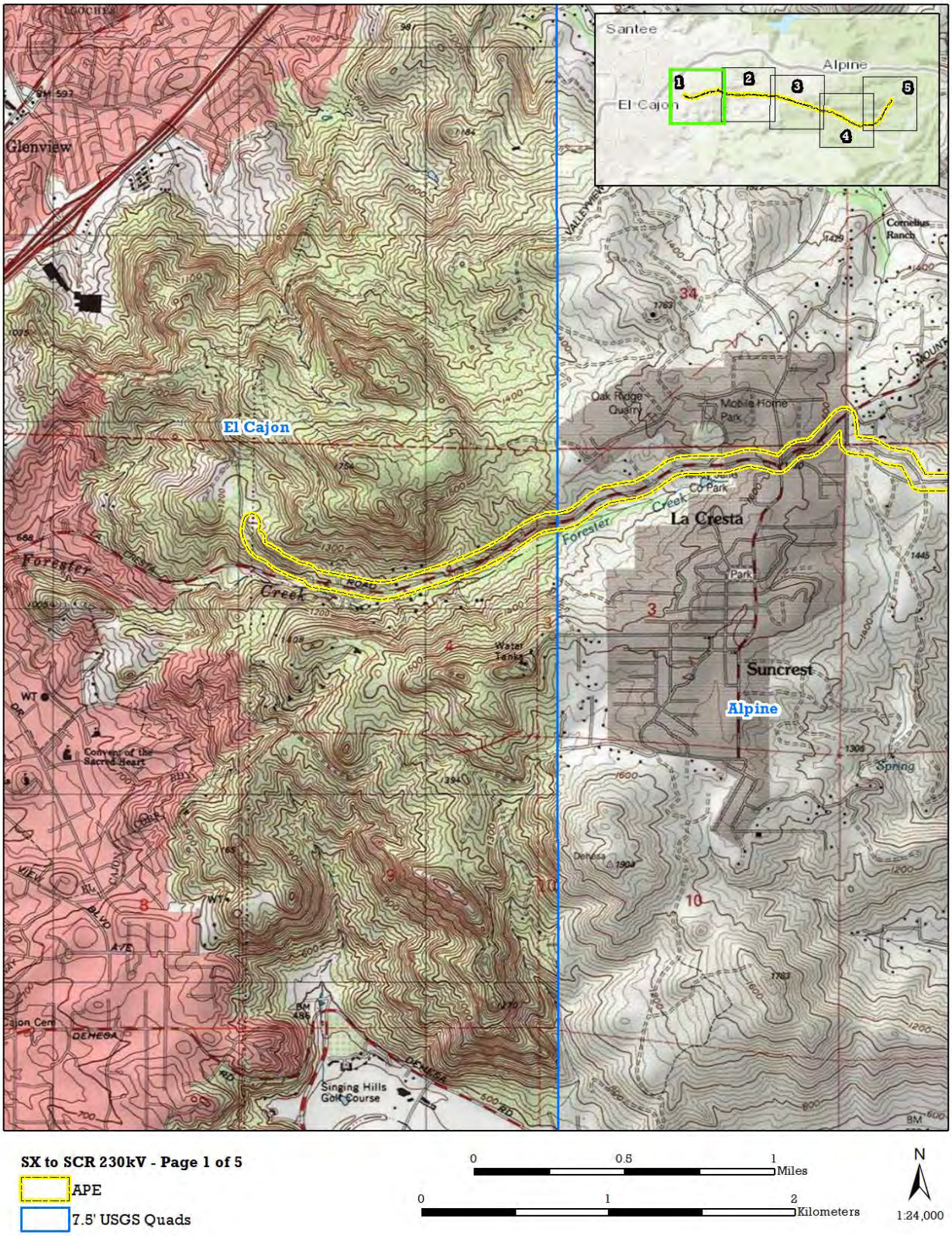

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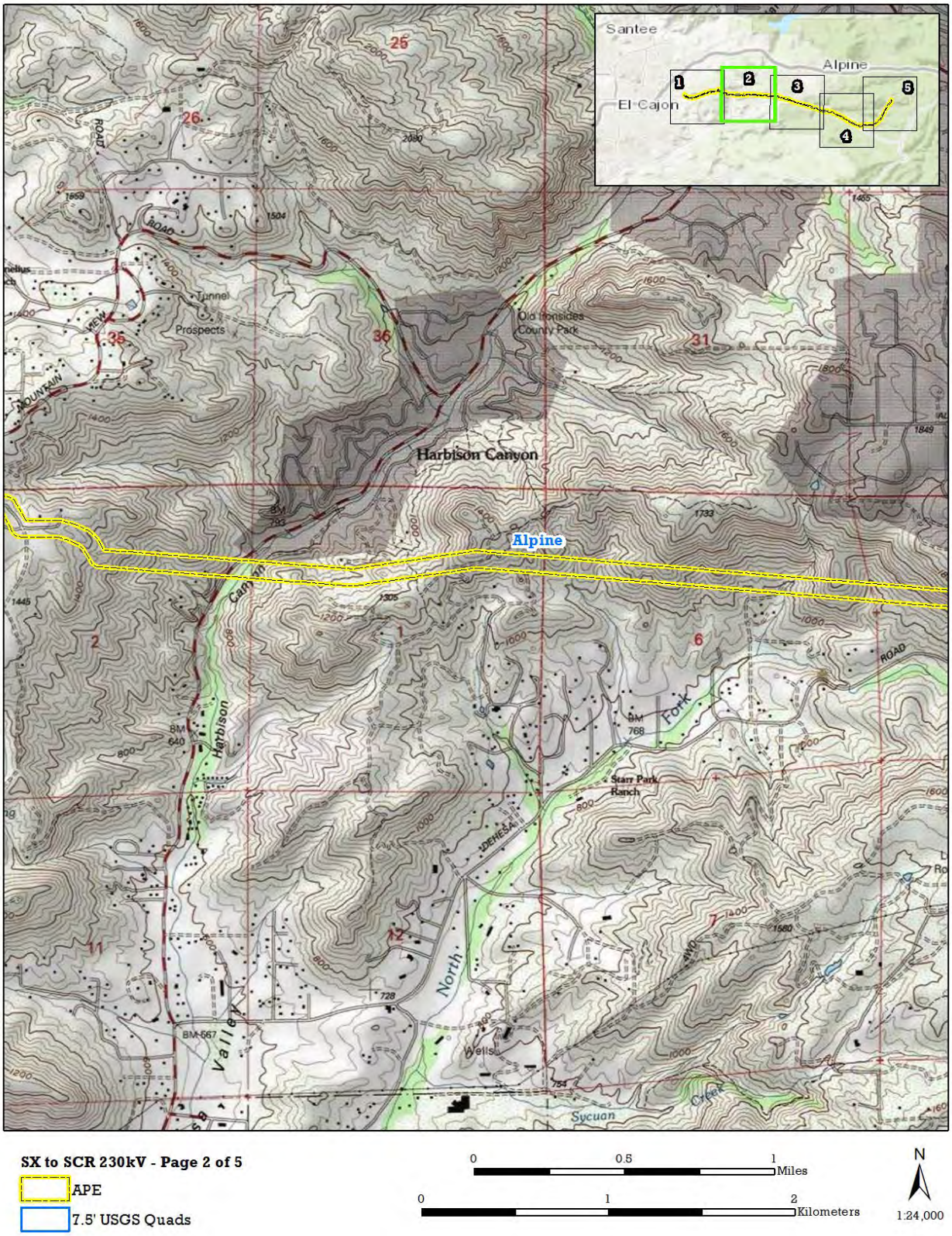

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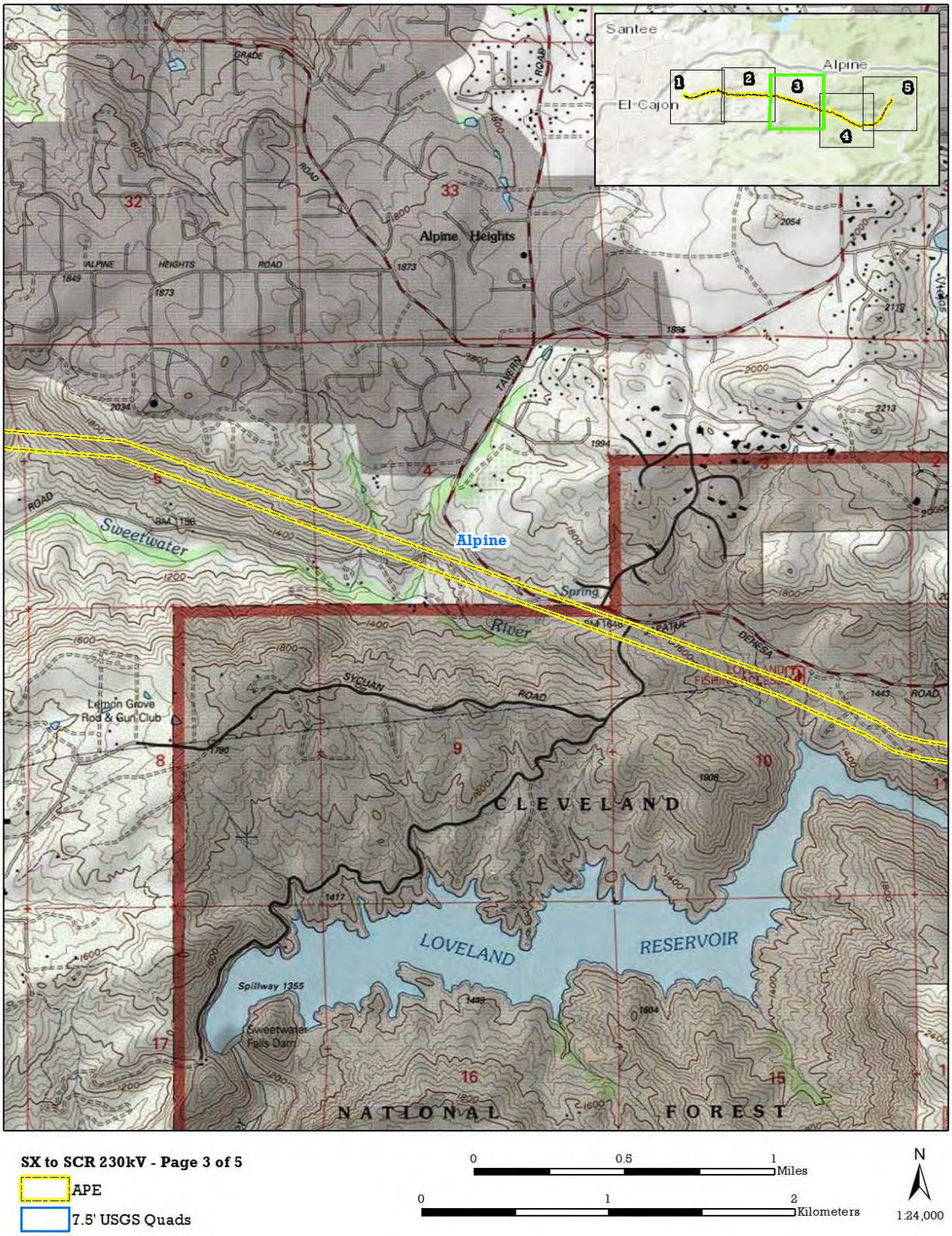

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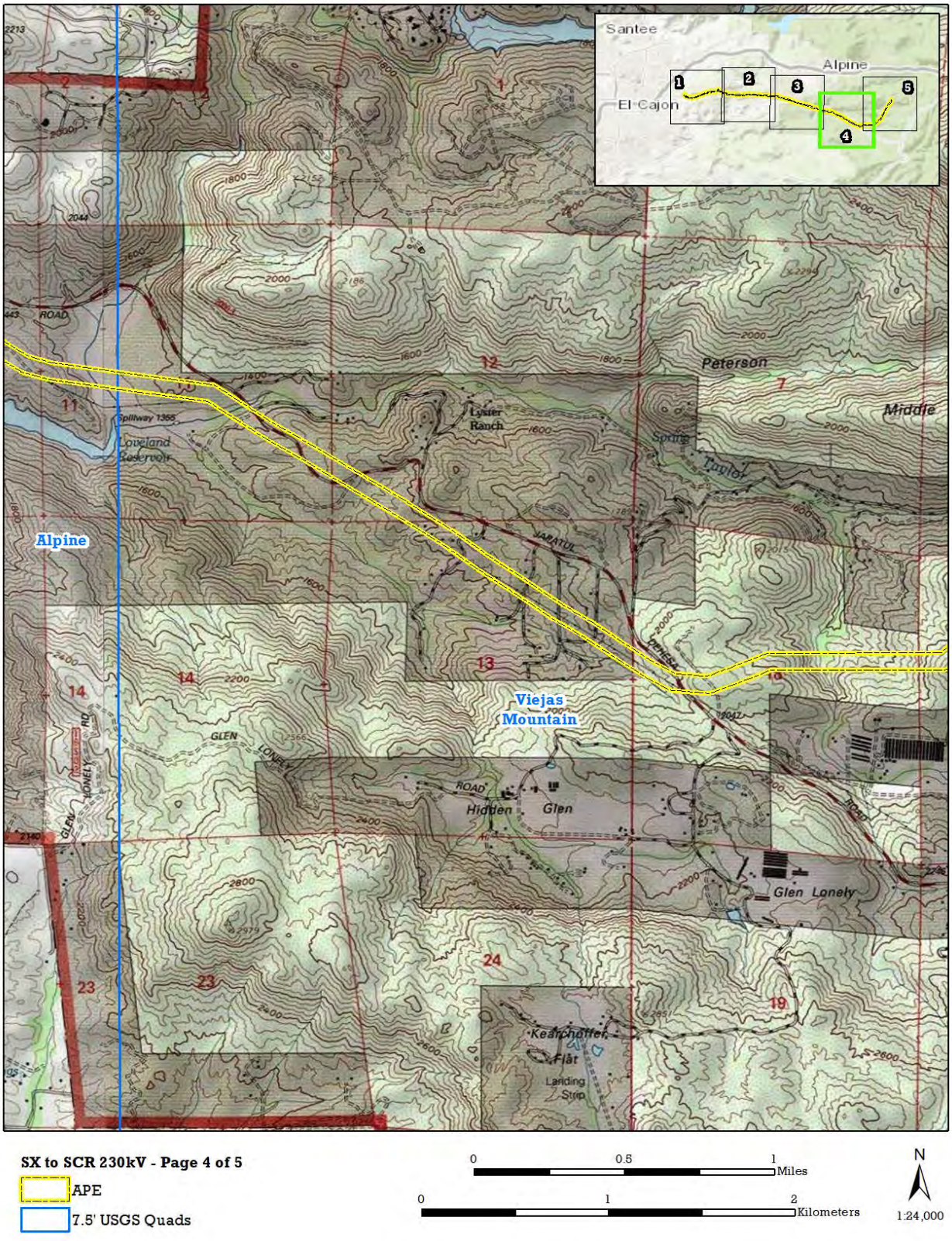

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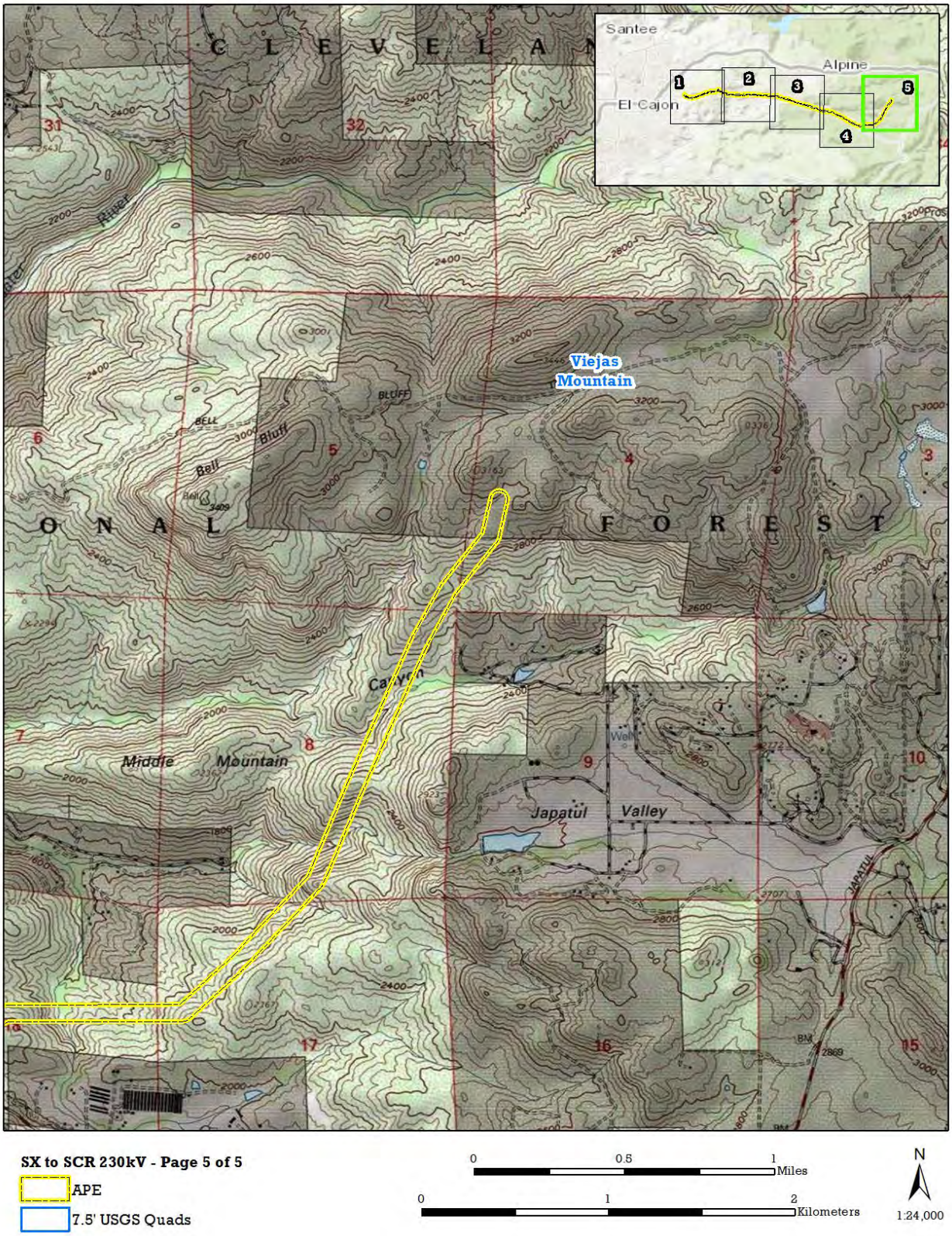

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March 19, 2025

Vice Chairperson Michael Garcia
Ewiiaapaayp Band of Kumeyaay Indians
4054 Willows Road
Alpine, California 91901

RE: Information Request Letter for the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County, California

Dear Vice Chairperson Garcia,

ASM Affiliates, Inc. (ASM) is conducting a cultural resource study for the SDG&E Sycamore Canyon 230 Kilovolt (kV) Loop-In to Suncrest Project Project (Project) which will run through the communities of La Cresta, Harbison Canyon, Alpine, and Japatul, San Diego County, California. The Project is shown on the USGS Alpine, El Cajon, and Viejas, California 7.5-minute quadrangles within the following sections (Figures 1-5):

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If you have any questions or concerns regarding the proposed Project, we will contact you about the best way to include consideration of the concerns while maintaining confidentiality. You can contact me at tluevano@asmaffiliates.com or 619-851-4036. We appreciate any input you may have on this project and any information you provide us will remain confidential.

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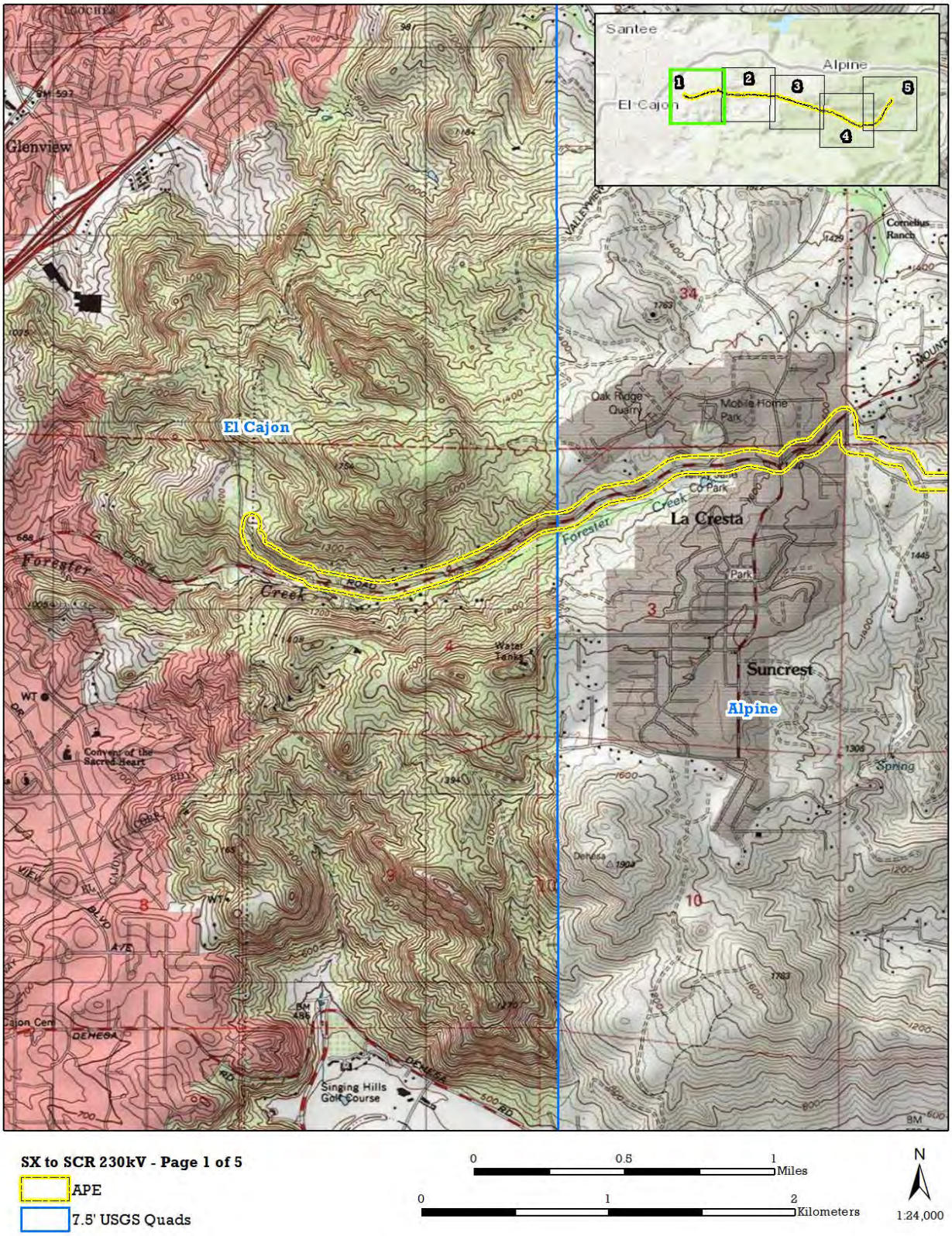

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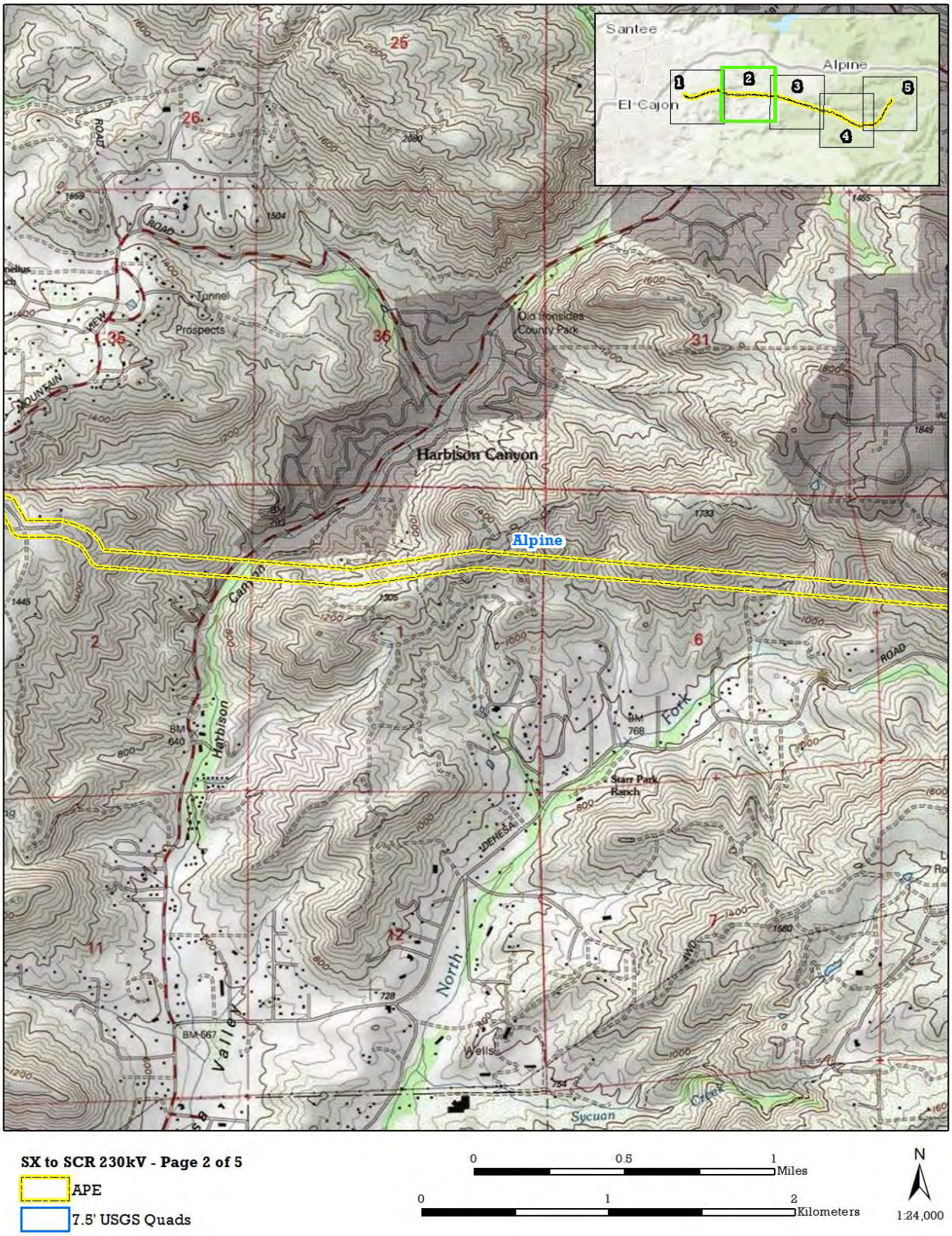

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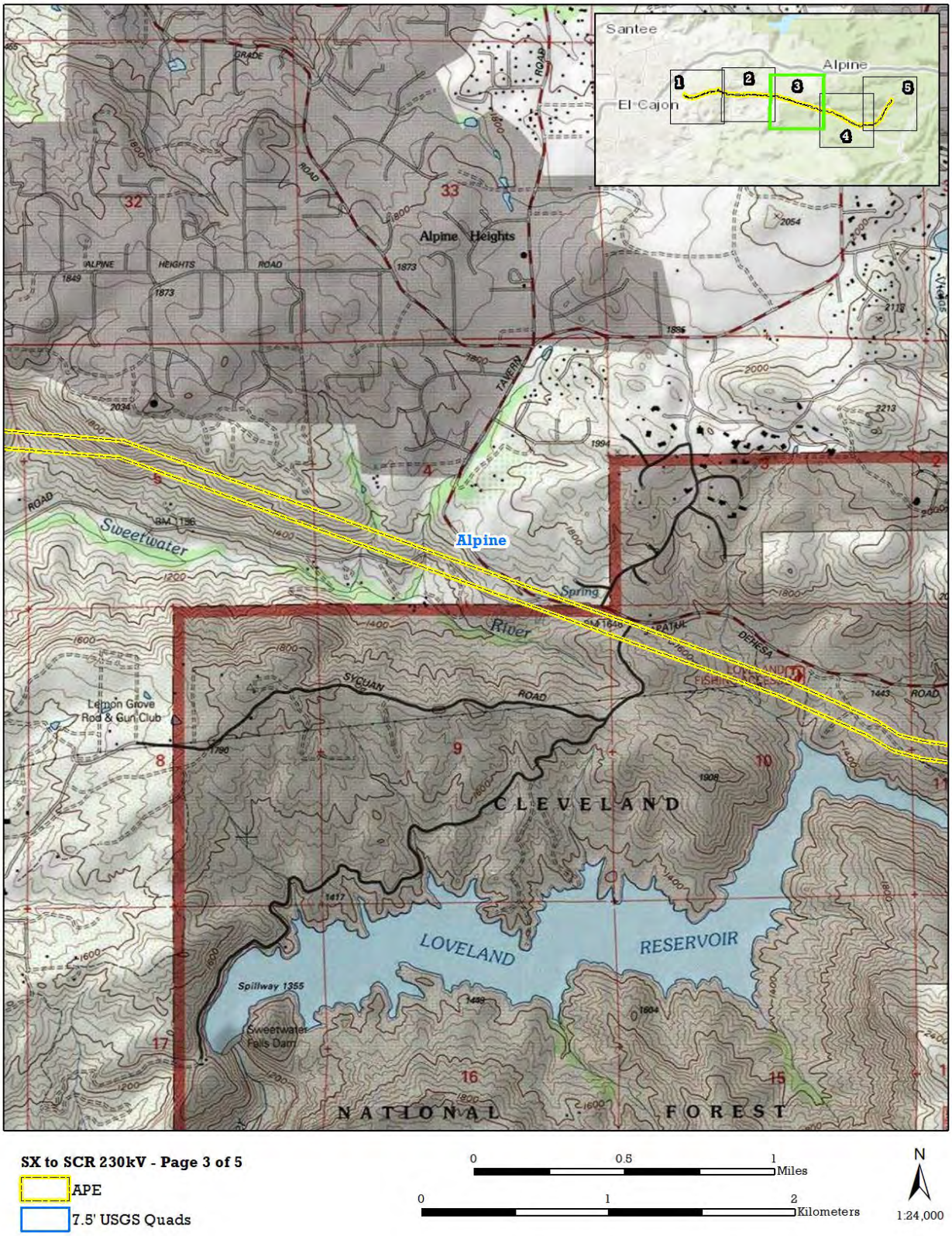

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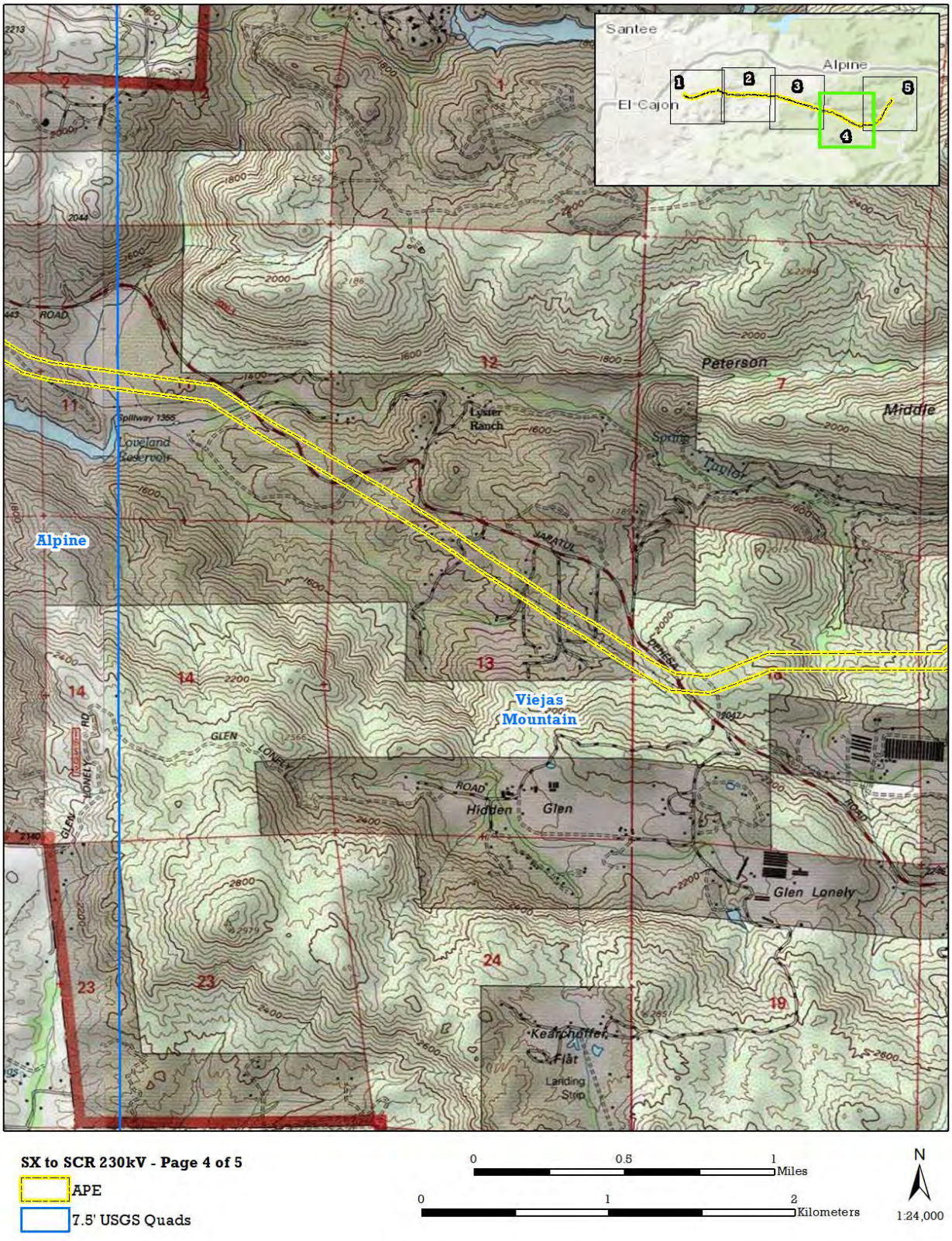

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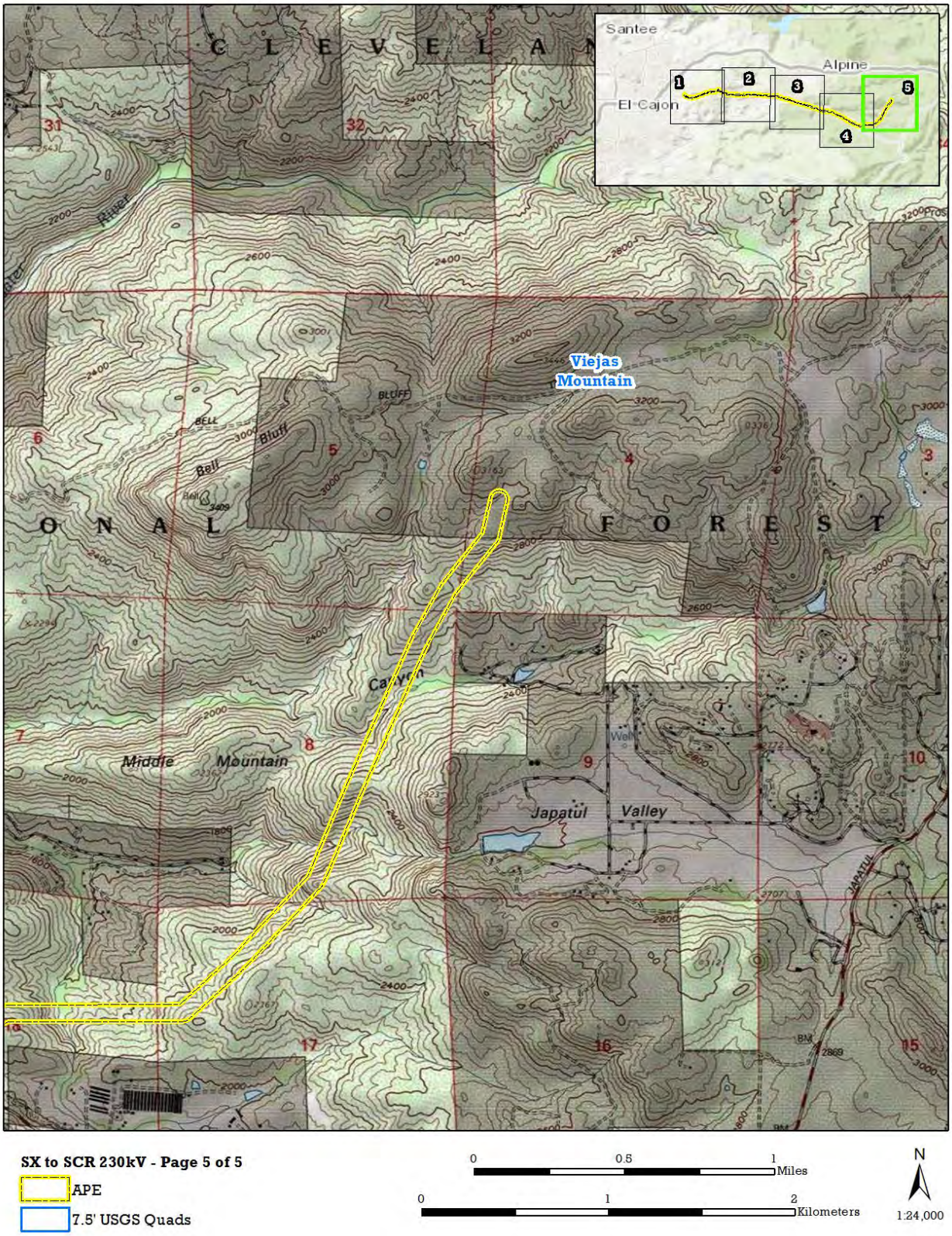

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March 19, 2025

Chairperson Robert Pinto
Ewiiaapaayp Band of Kumeyaay Indians
4054 Willows Road
Alpine, California 91901

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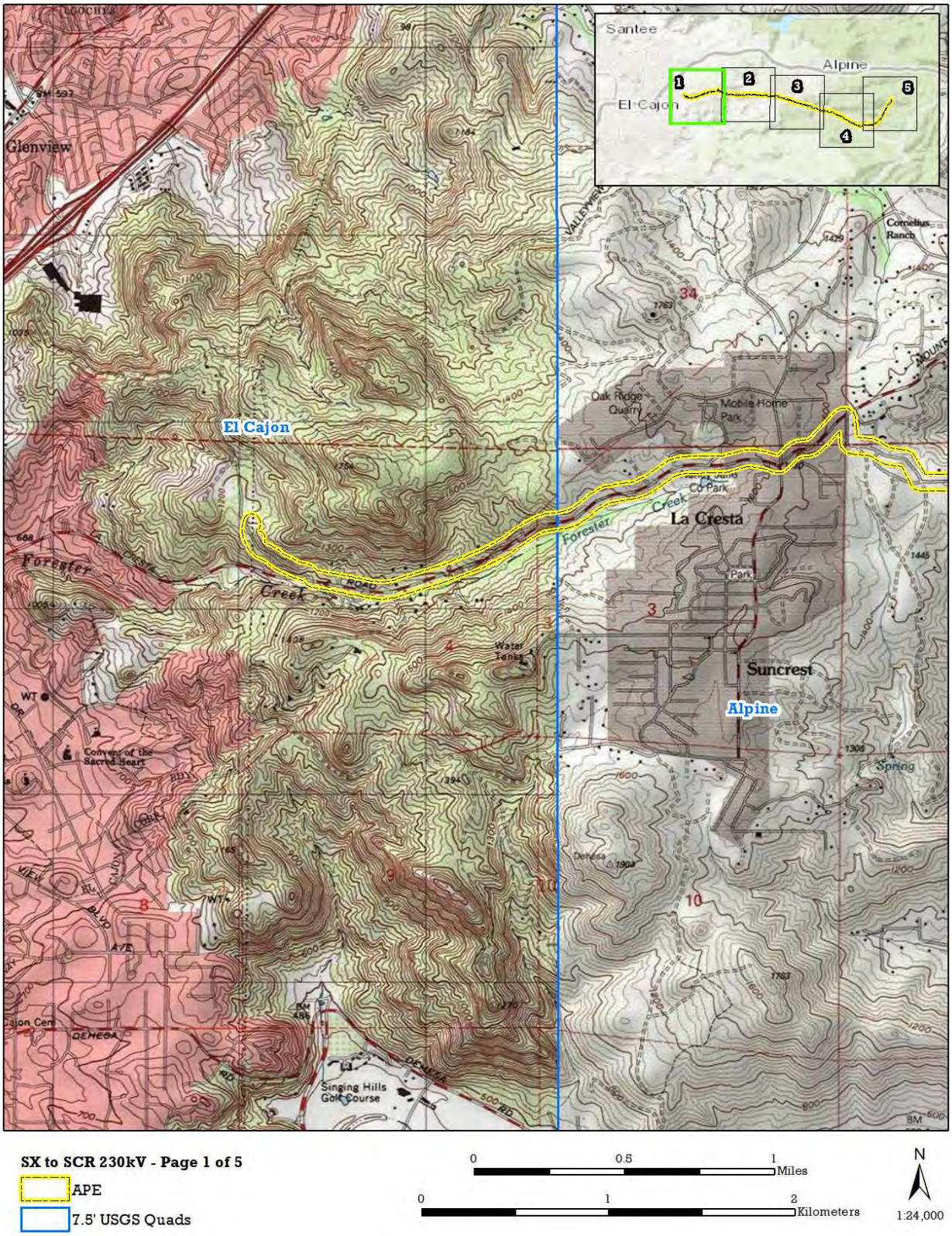

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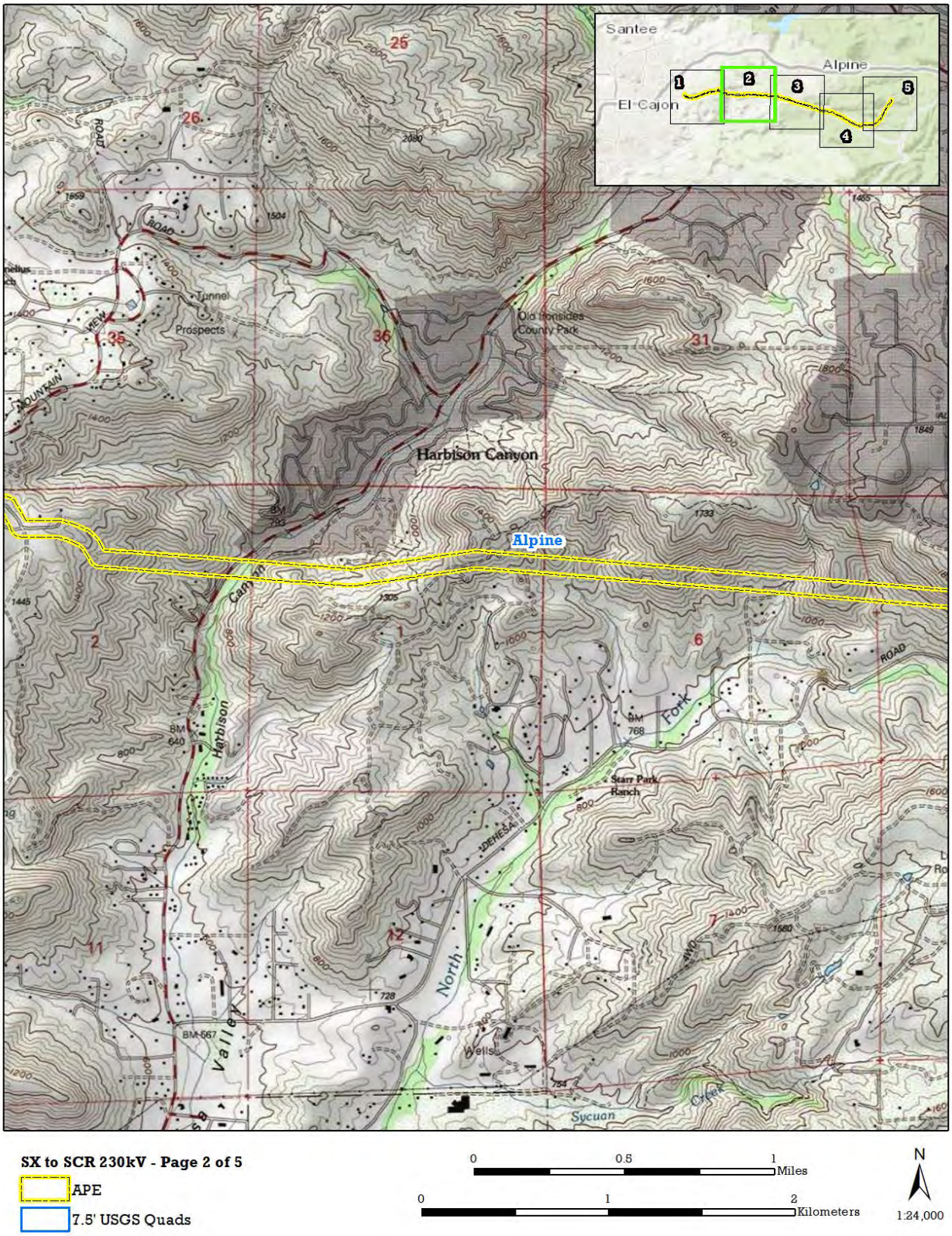

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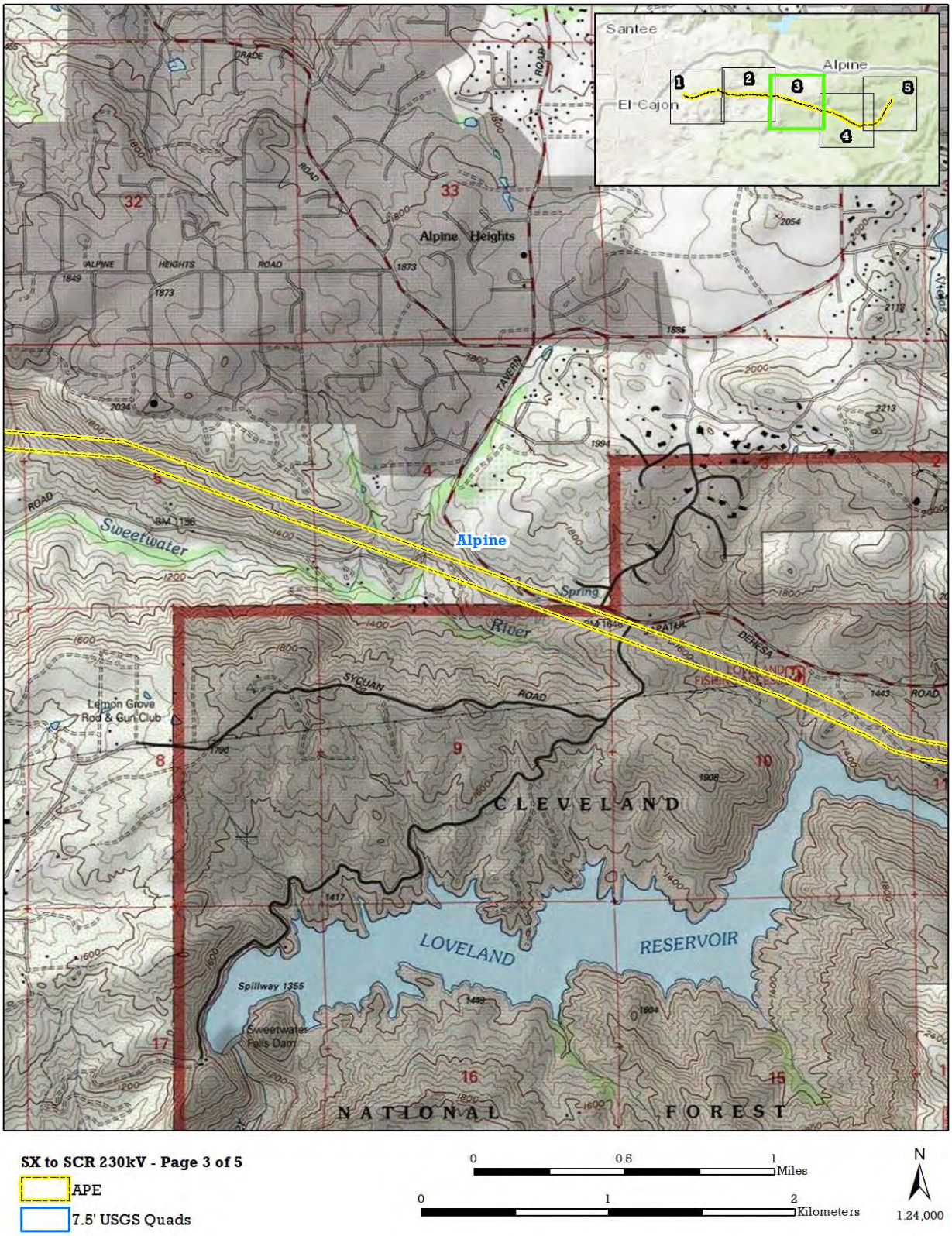

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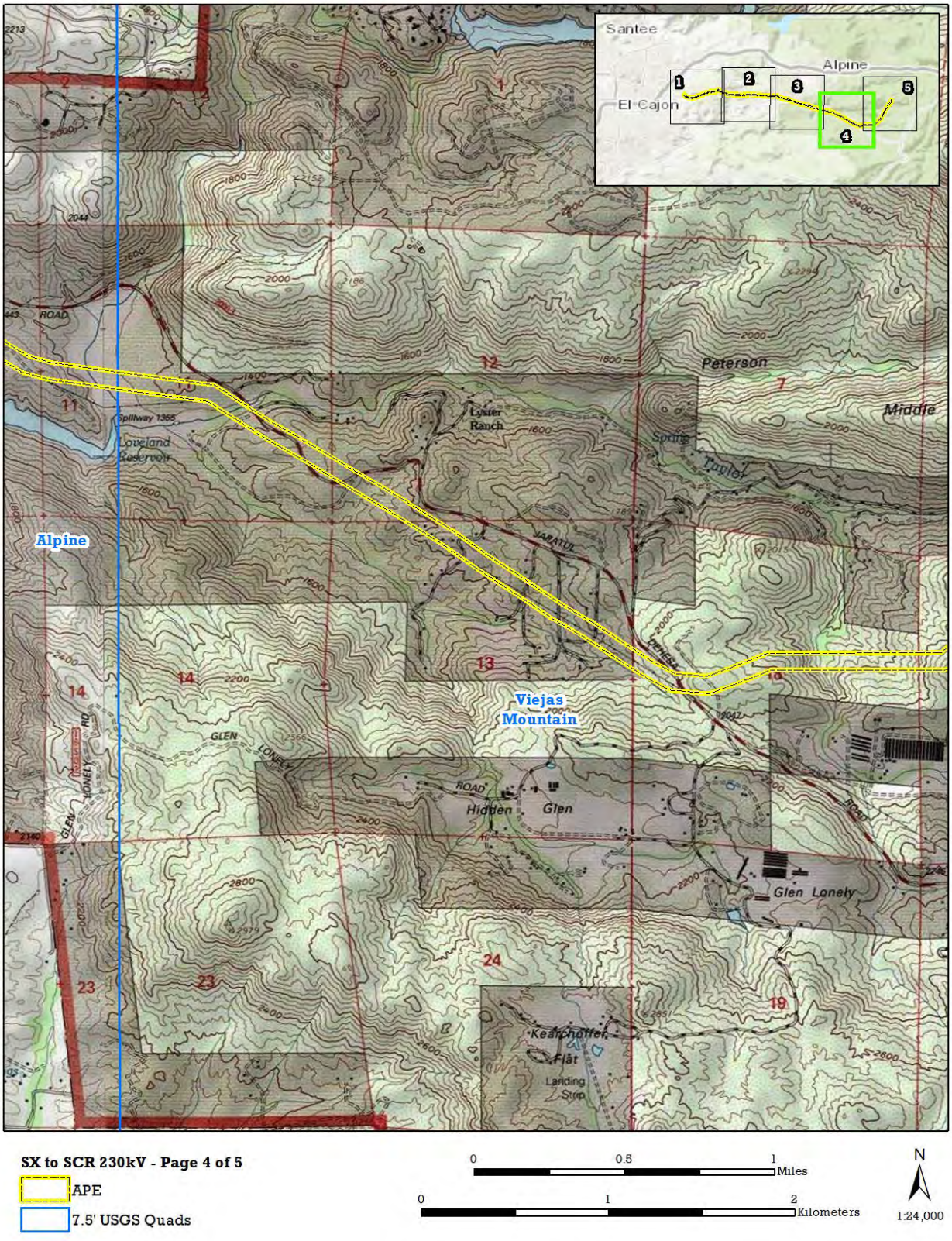

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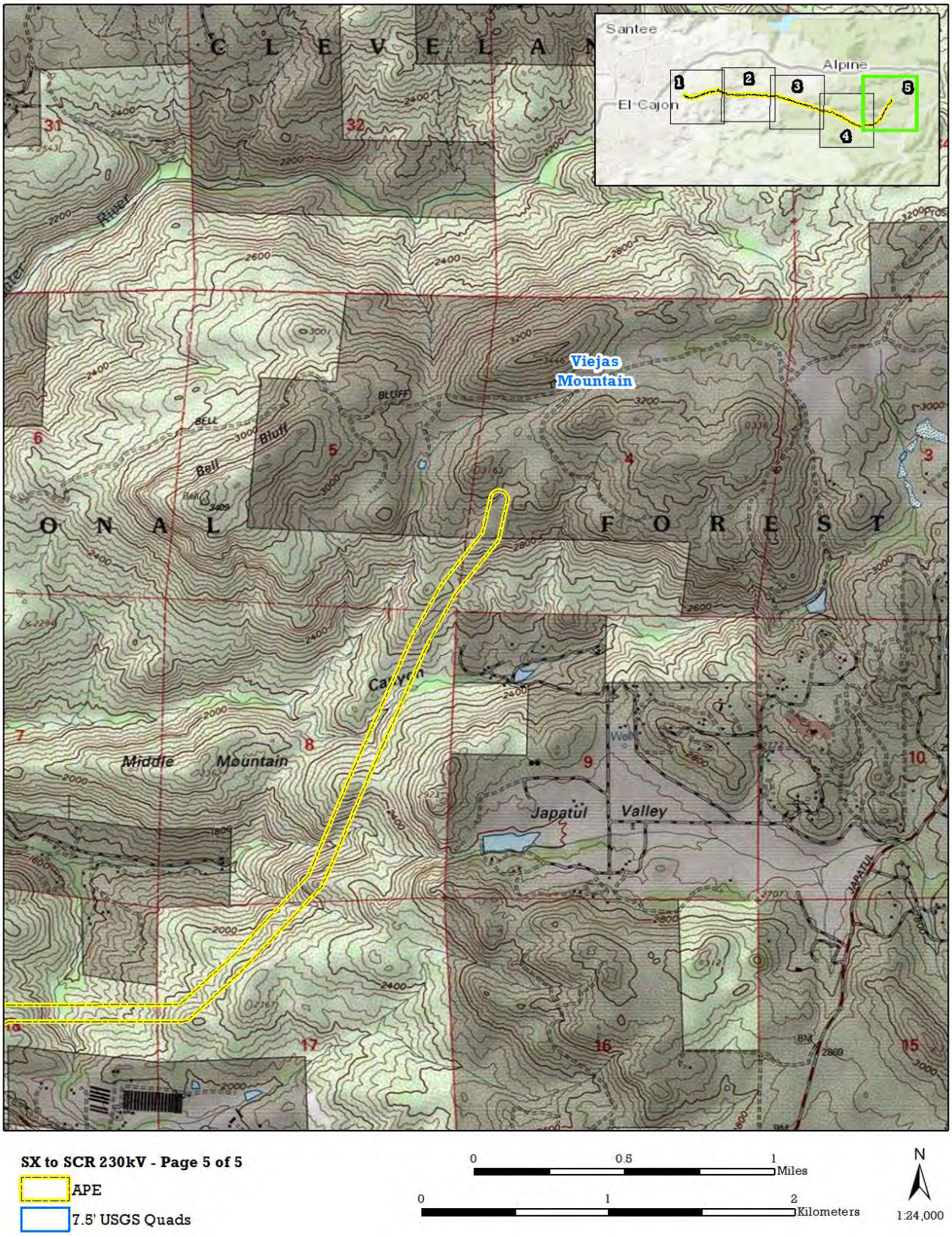

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March 19, 2025

Mr. Clint Linton
Iipay Nation of Santa Ysabel
P.O. Box 507
Santa Ysabel, California 92070

RE: Information Request Letter for the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County, California

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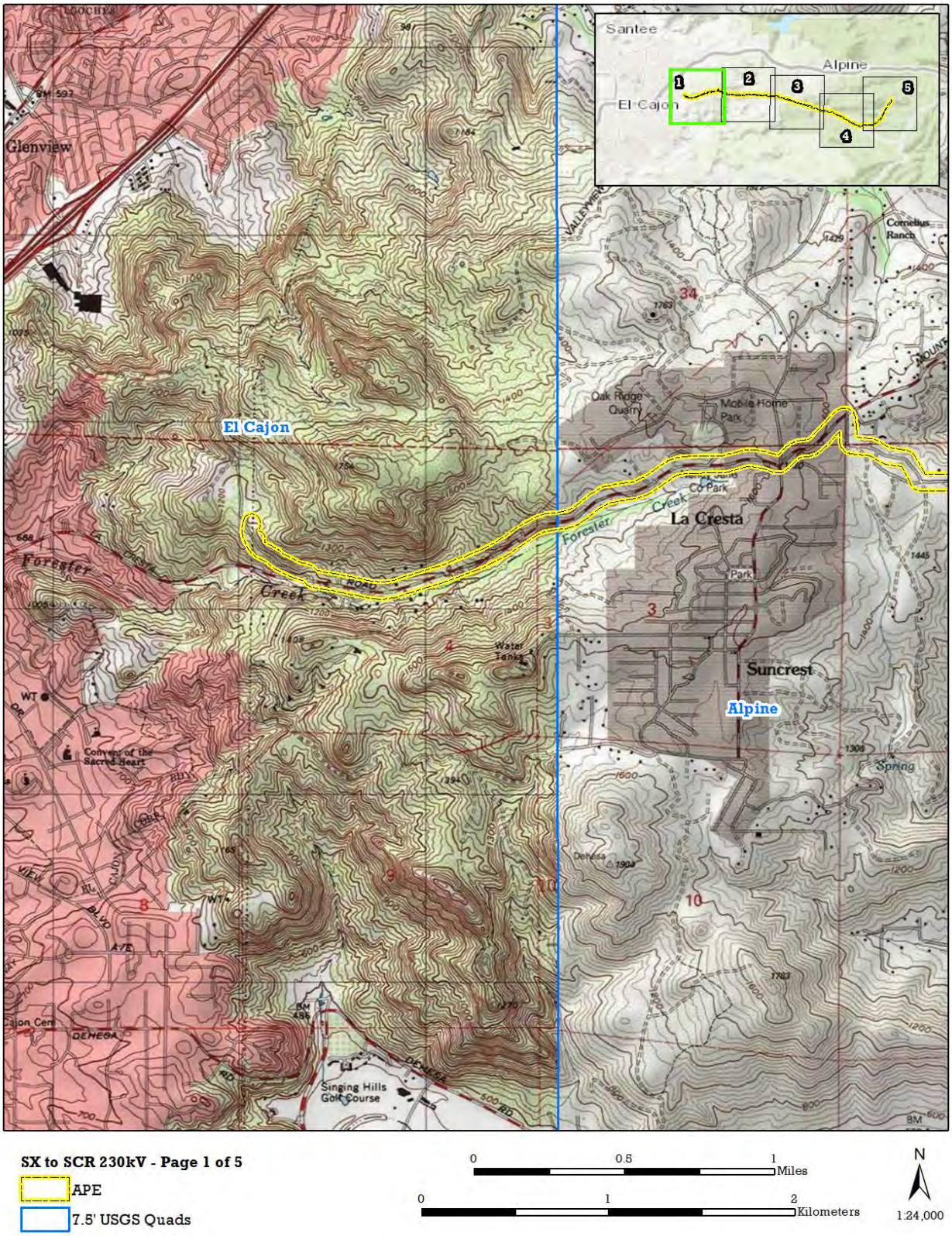

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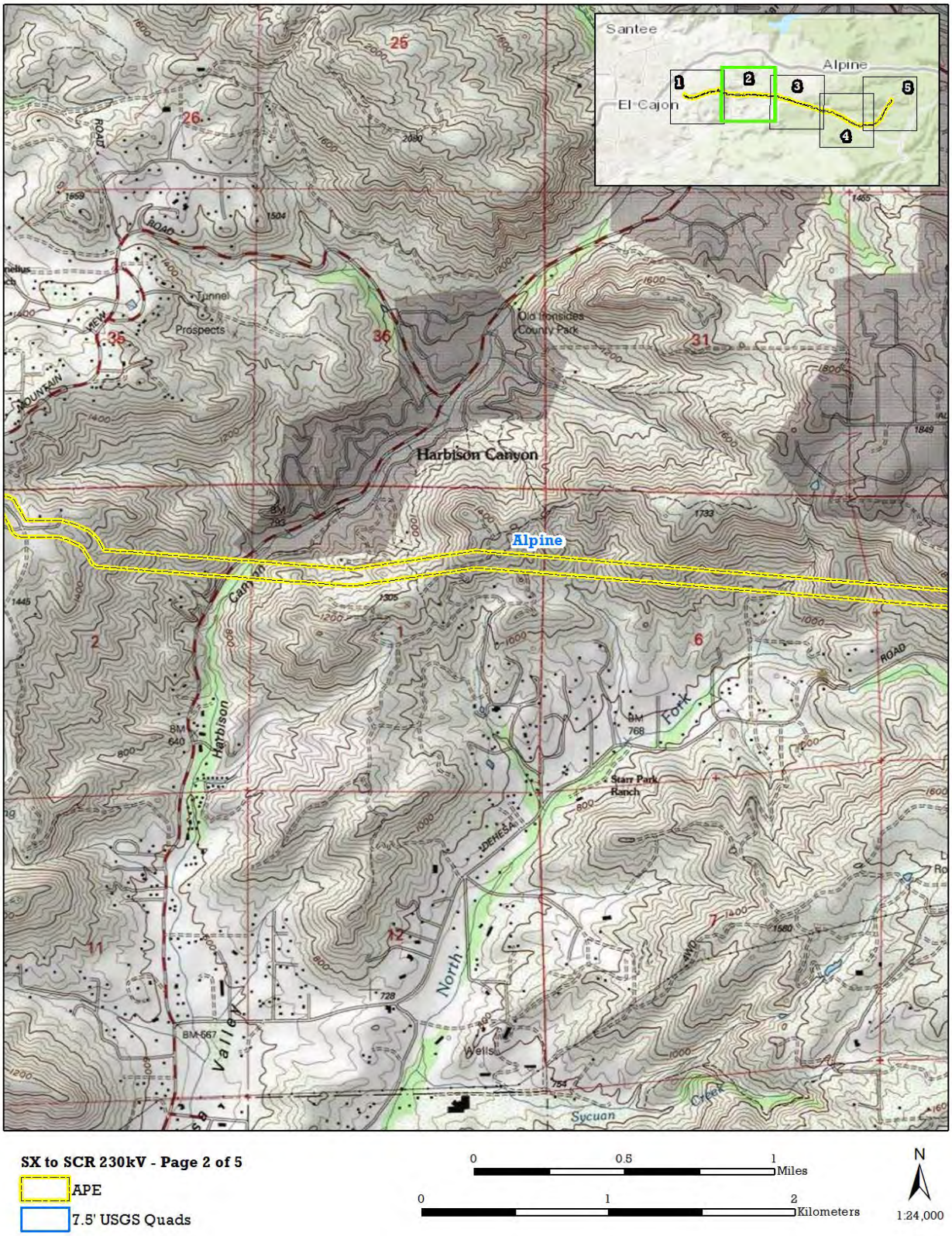

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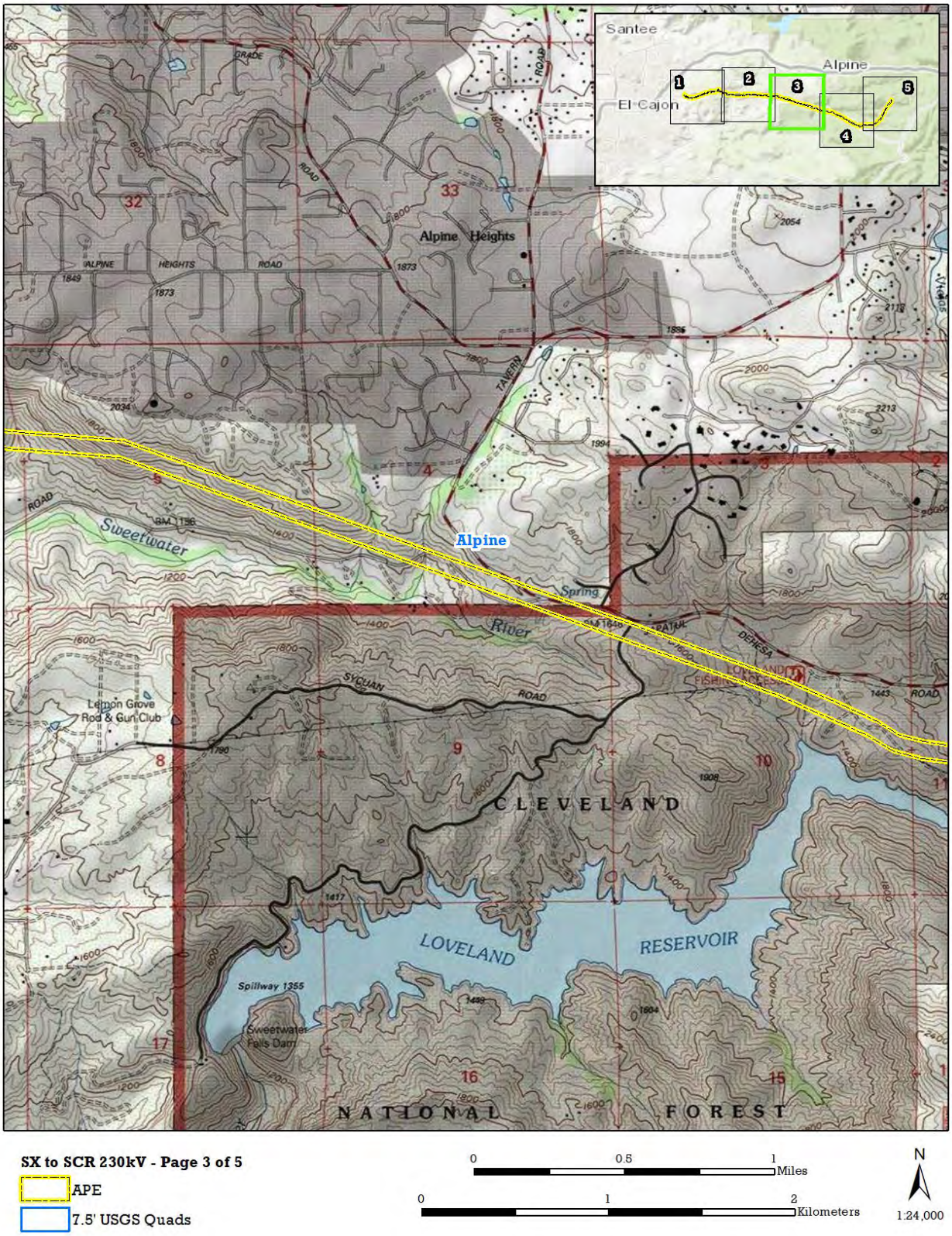

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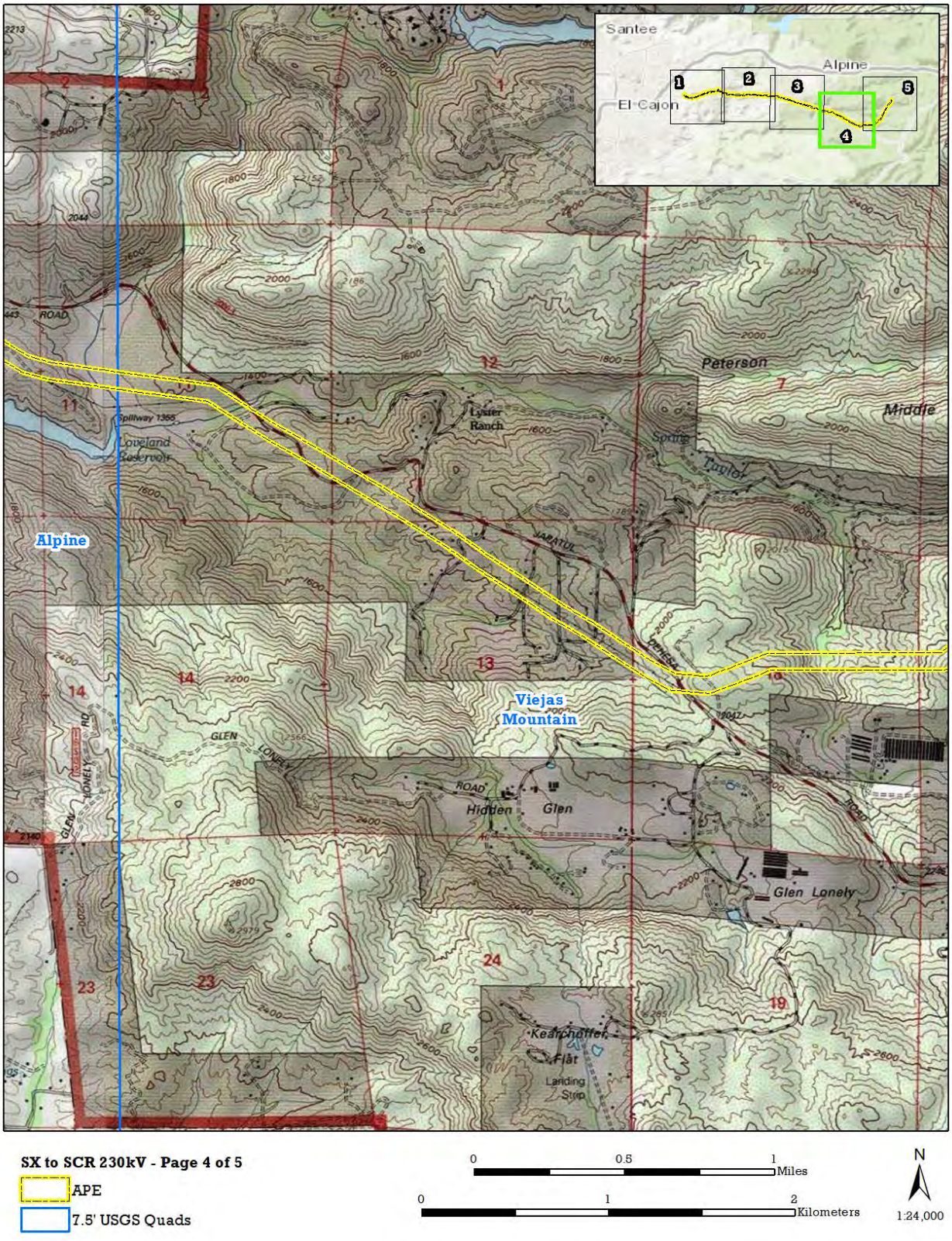

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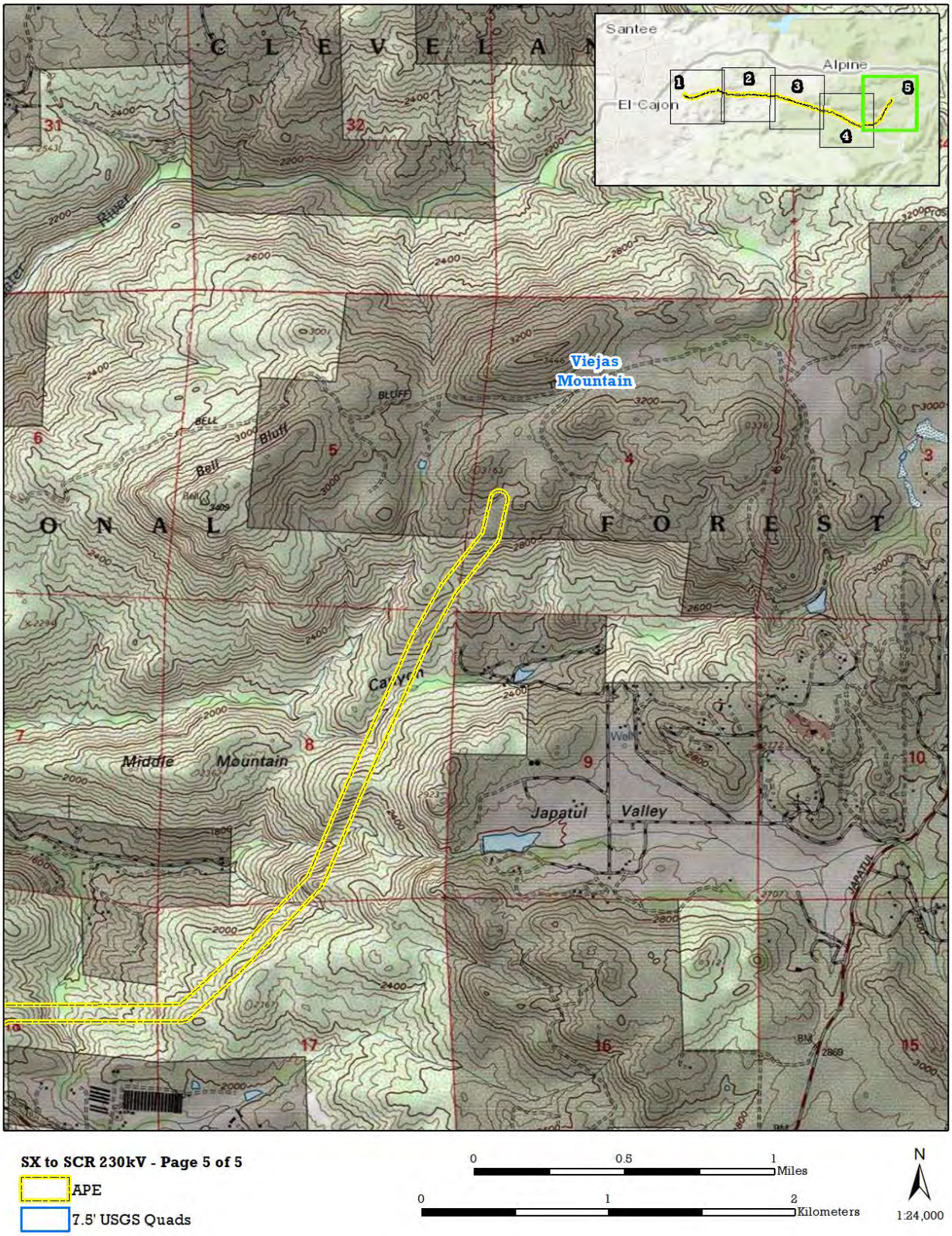

Figure 5. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project.
Page 5

From:	Foglia, Shannon E
To:	clint (clint@redtailenvironmental.com)
Subject:	SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project - Notification follow up
Date:	Monday, May 12, 2025 3:23:00 PM
Attachments:	Iipay Nation_Clint Linton.pdf image003.png

Hi Clint,

I hope your week is off to a great start. I wanted to follow up on a notification that ASM sent to you back in March. SDG&E has a new project that we are reviewing right now, Sycamore Canyon 230 Kilovolt Loop-In to Suncrest. The Project will involve the installation of a new double-circuit 230 kV transmission line, as well as modifications to two existing SDG&E substations (i.e., the Suncrest Substation and Sycamore Canyon Substation).

Attached is the original letter with more information and mapping. Please let me know if you have any input you'd like to include in our cultural resources report.

Thanks!

Best wishes,

Shannon E. Foglia, M.A., RPA
Team Lead - Cultural Resources
M 619-241-5613
E SFoglia@sdge.com

Shaping a sustainable future.

For more information about privacy at SDG&E visit sdge.com/privacy.

Upcoming PTO: May 28 - June 10

March 19, 2025

Chairperson Rebecca Osuna
Inaja-Cosmit Band of Indians
2005 S. Escondido Boulevard
Escondido, California 92025

RE: Information Request Letter for the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County, California

Dear Chairperson Osuna,

ASM Affiliates, Inc. (ASM) is conducting a cultural resource study for the SDG&E Sycamore Canyon 230 Kilovolt (kV) Loop-In to Suncrest Project Project (Project) which will run through the communities of La Cresta, Harbison Canyon, Alpine, and Japatul, San Diego County, California. The Project is shown on the USGS Alpine, El Cajon, and Viejas, California 7.5-minute quadrangles within the following sections (Figures 1-5):

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This study is being undertaken in accordance with the California Environmental Quality Act (CEQA) requirements and National Environmental Protection Act (NEPA) Requirements. The California Public Utilities Commission (CPUC) is the lead CEQA agency for the Project while the United States Forest Service (USFS) is the lead NEPA agency for the Project. The Project will involve the installation of a new double-circuit 230 kV transmission line, as well as modifications to two existing SDG&E substations (i.e., the Suncrest Substation and Sycamore Canyon Substation). Specifically, the project will involve:

- Construction of a new approximately 14 to 16 mile-long, double-circuit 230 kV transmission line segment consisting of overhead and underground configurations to interconnect (or "loop") SDG&E's existing TL23021 into the Suncrest Substation.
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    - installation of a new 500/230 kV transformer, consisting of four separate single-phase units, and associated tertiary reactors, circuit breakers, disconnects, and communication equipment;
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A record search of the Sacred Lands File (SLF) with the California Native American Heritage Commission (NAHC) on September 17, 2024, for a previous proposed Project route was positive. An updated record search of the is SLF is being conducted due changes to the Project route since then; however, it is expected

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If you have any questions or concerns regarding the proposed Project, we will contact you about the best way to include consideration of the concerns while maintaining confidentiality. You can contact me at tluevano@asmaffiliates.com or 619-851-4036. We appreciate any input you may have on this project and any information you provide us will remain confidential.

Respectfully Yours,

Terrence Luévano, M.A, RPA
Senior Archaeologist
ASM Affiliates, Inc.
tluevano@asmaffiliates.com

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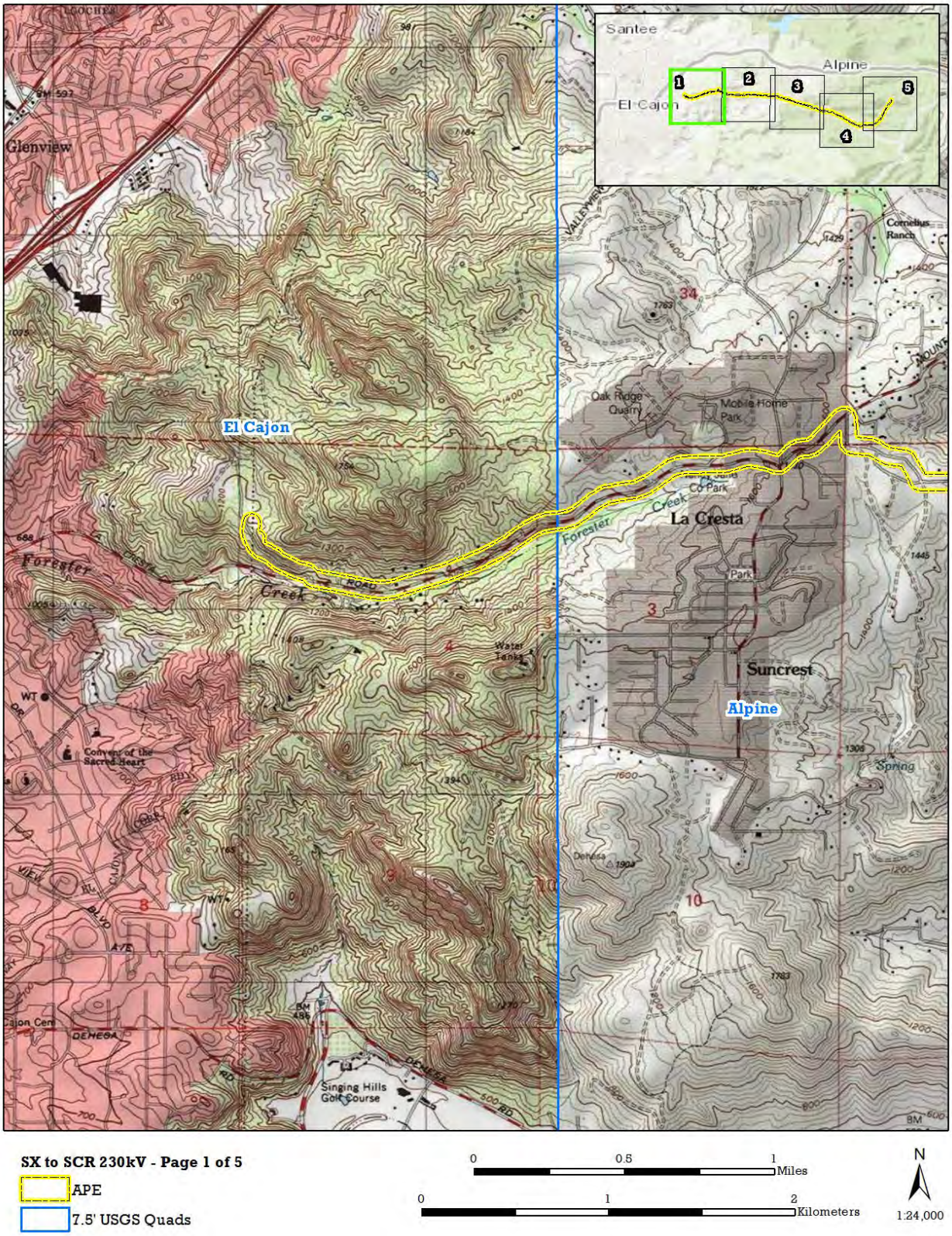

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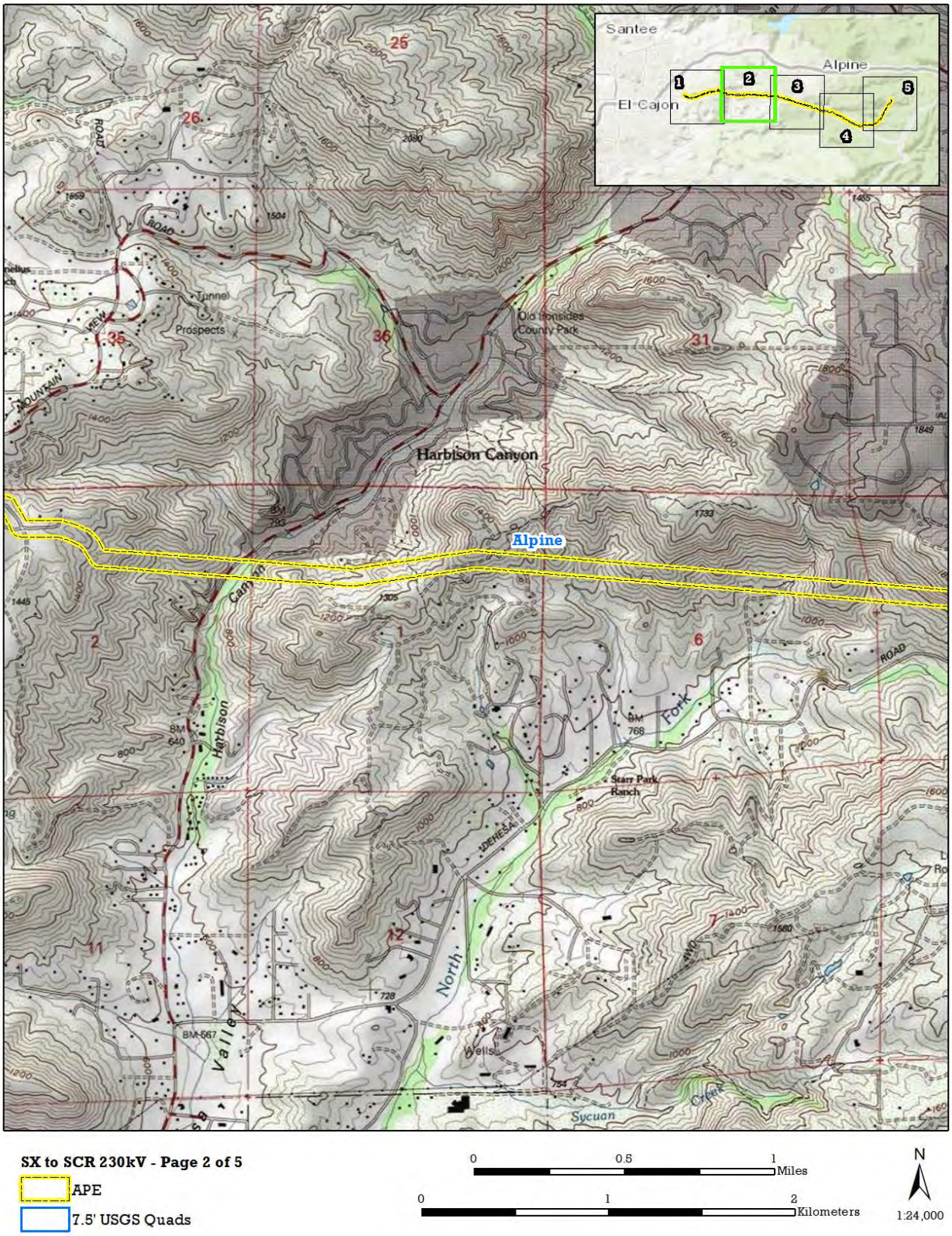

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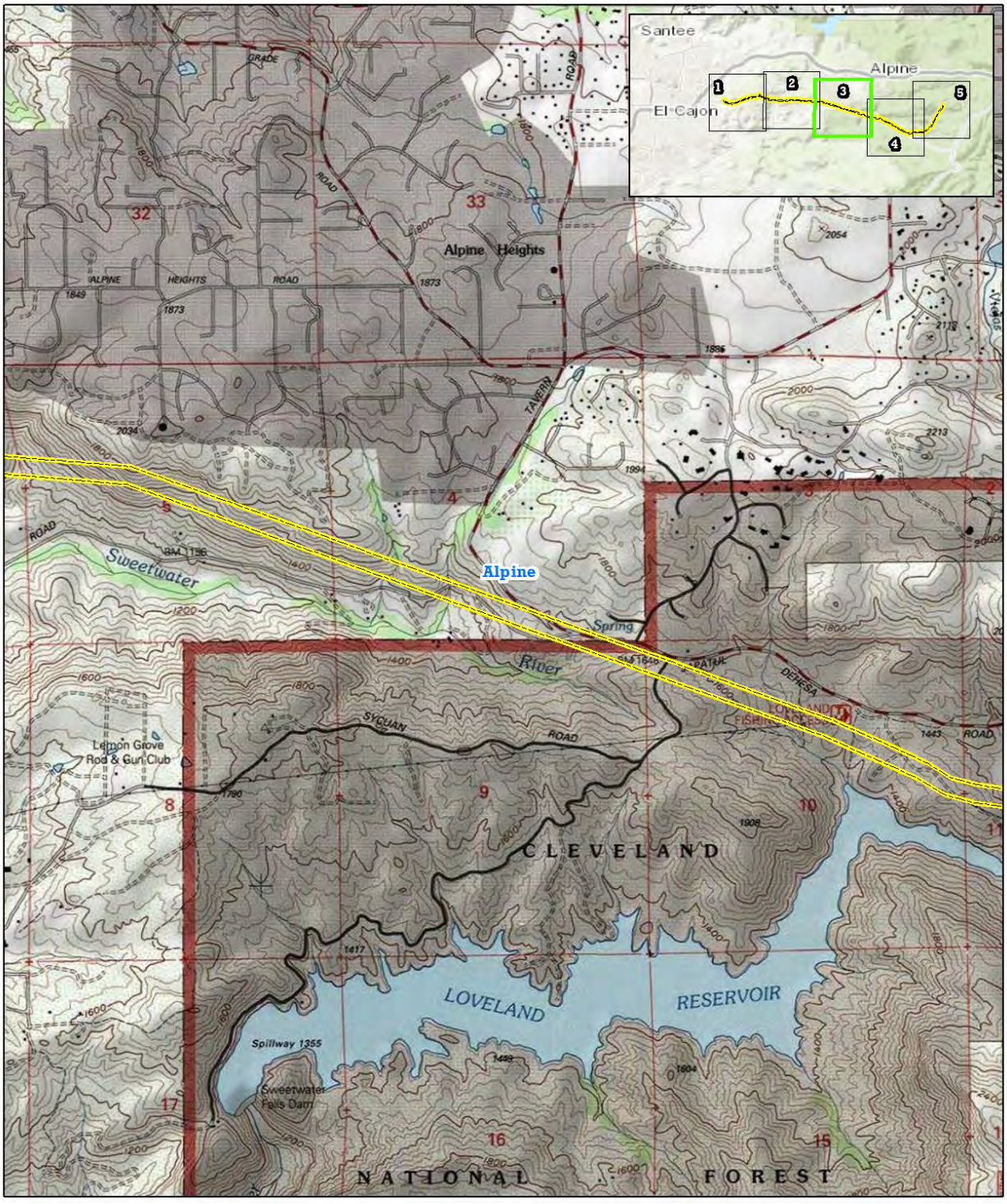

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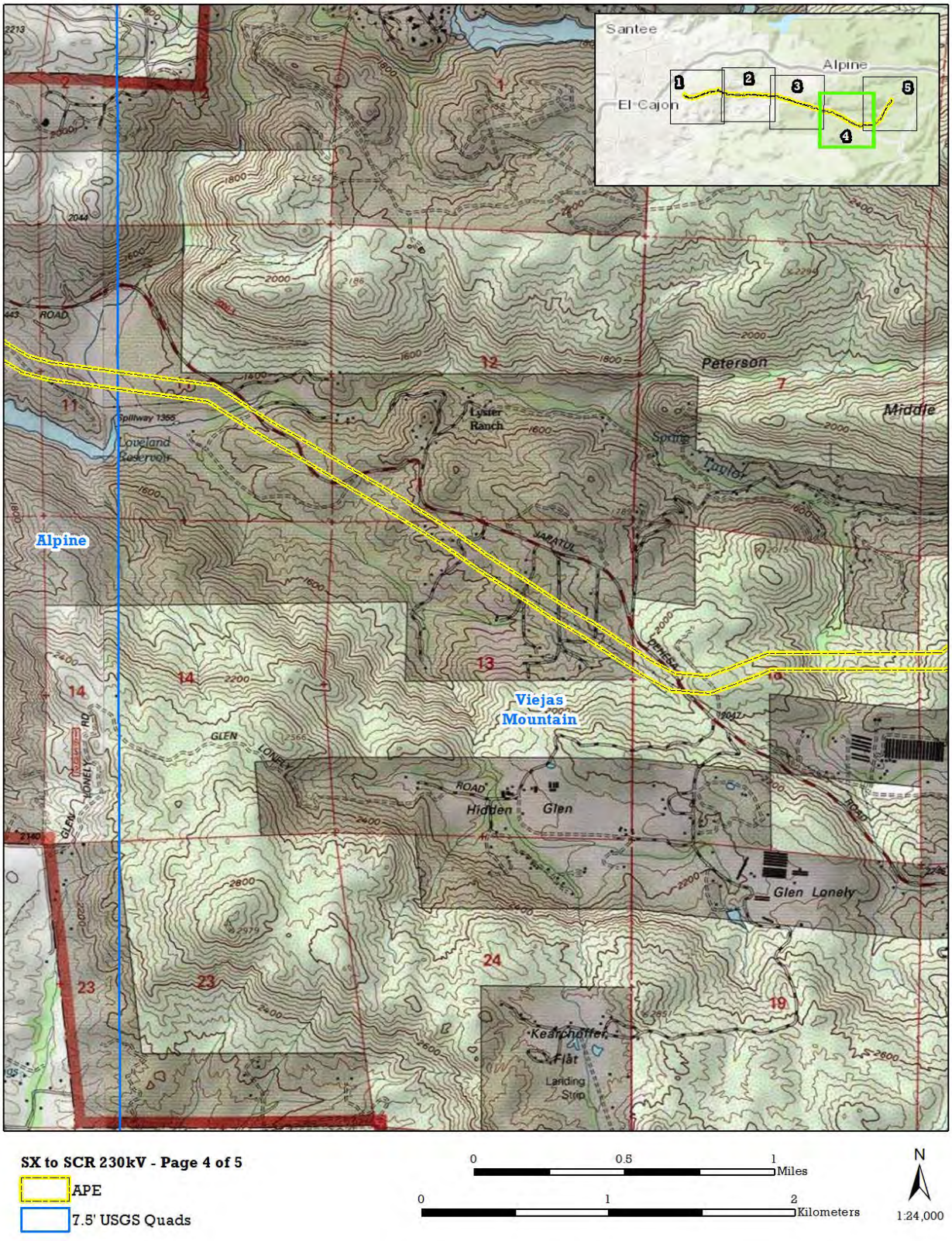

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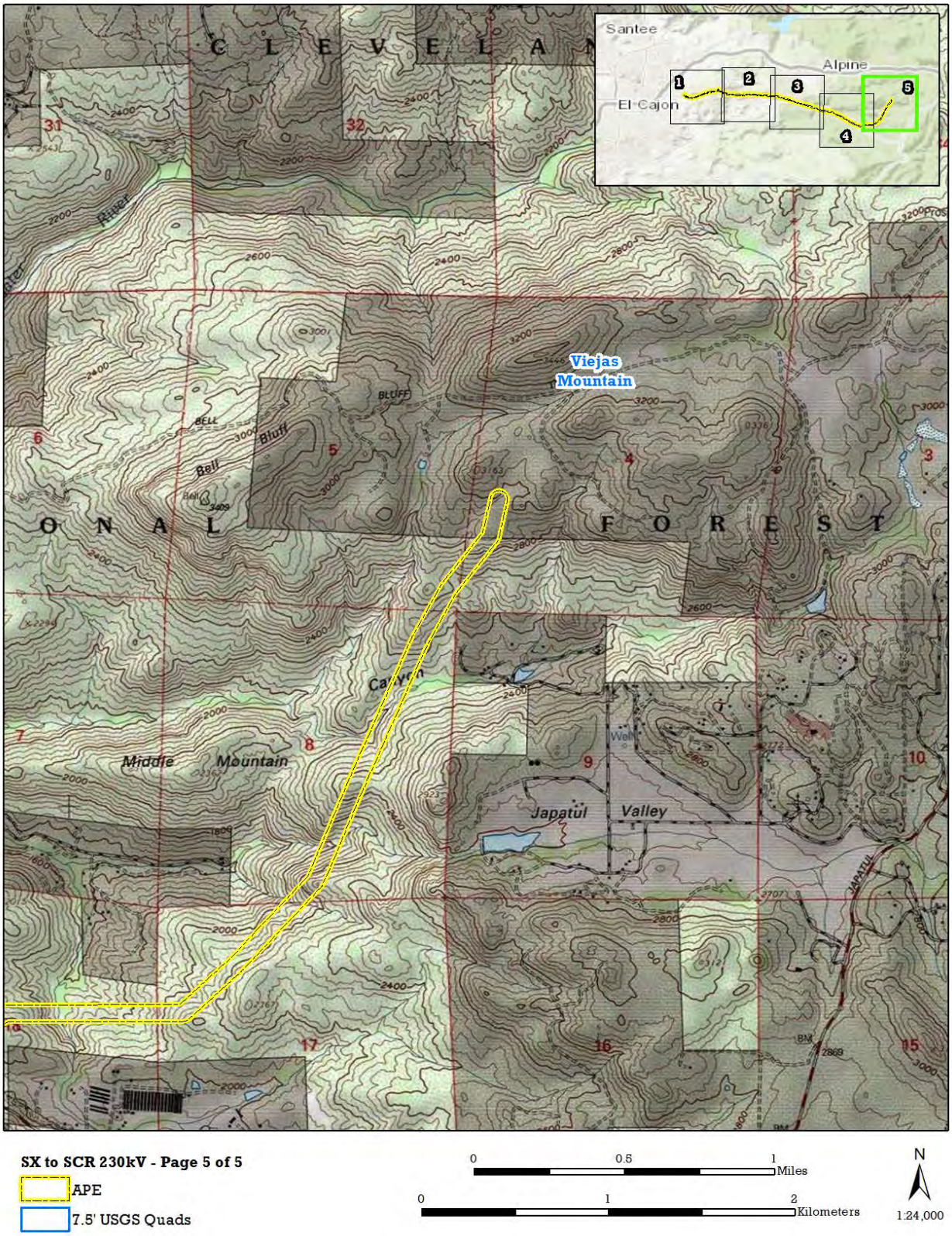

Figure 5. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project.
Page 5

March 19, 2025

Chairperson Erica Pinto
Jamul Indian Village
P.O. Box 612
Jamul, California 91935

RE: Information Request Letter for the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County, California

Dear Chairperson Pinto,

ASM Affiliates, Inc. (ASM) is conducting a cultural resource study for the SDG&E Sycamore Canyon 230 Kilovolt (kV) Loop-In to Suncrest Project Project (Project) which will run through the communities of La Cresta, Harbison Canyon, Alpine, and Japatul, San Diego County, California. The Project is shown on the USGS Alpine, El Cajon, and Viejas, California 7.5-minute quadrangles within the following sections (Figures 1-5):

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- Modifications to the Sycamore Canyon Substation, which include upgrading existing 230 kV breakers from 2000 ampere (A) rated to 3000A rated circuit breakers and installing associated equipment.

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We are contacting you to find out if you are aware of any issues of cultural concern regarding the area shown on the enclosed Project maps. In particular, we would like to know if you have any knowledge of Traditional Cultural Properties, Sacred Sites, Tribal Cultural Resources, resource collecting areas, or any other areas of concern of which you wish us to be aware. All information provided will be kept confidential.

If you have any questions or concerns regarding the proposed Project, we will contact you about the best way to include consideration of the concerns while maintaining confidentiality. You can contact me at tluevano@asmaffiliates.com or 619-851-4036. We appreciate any input you may have on this project and any information you provide us will remain confidential.

Respectfully Yours,

Terrence Luévano, M.A, RPA
Senior Archaeologist
ASM Affiliates, Inc.
tluevano@asmaffiliates.com

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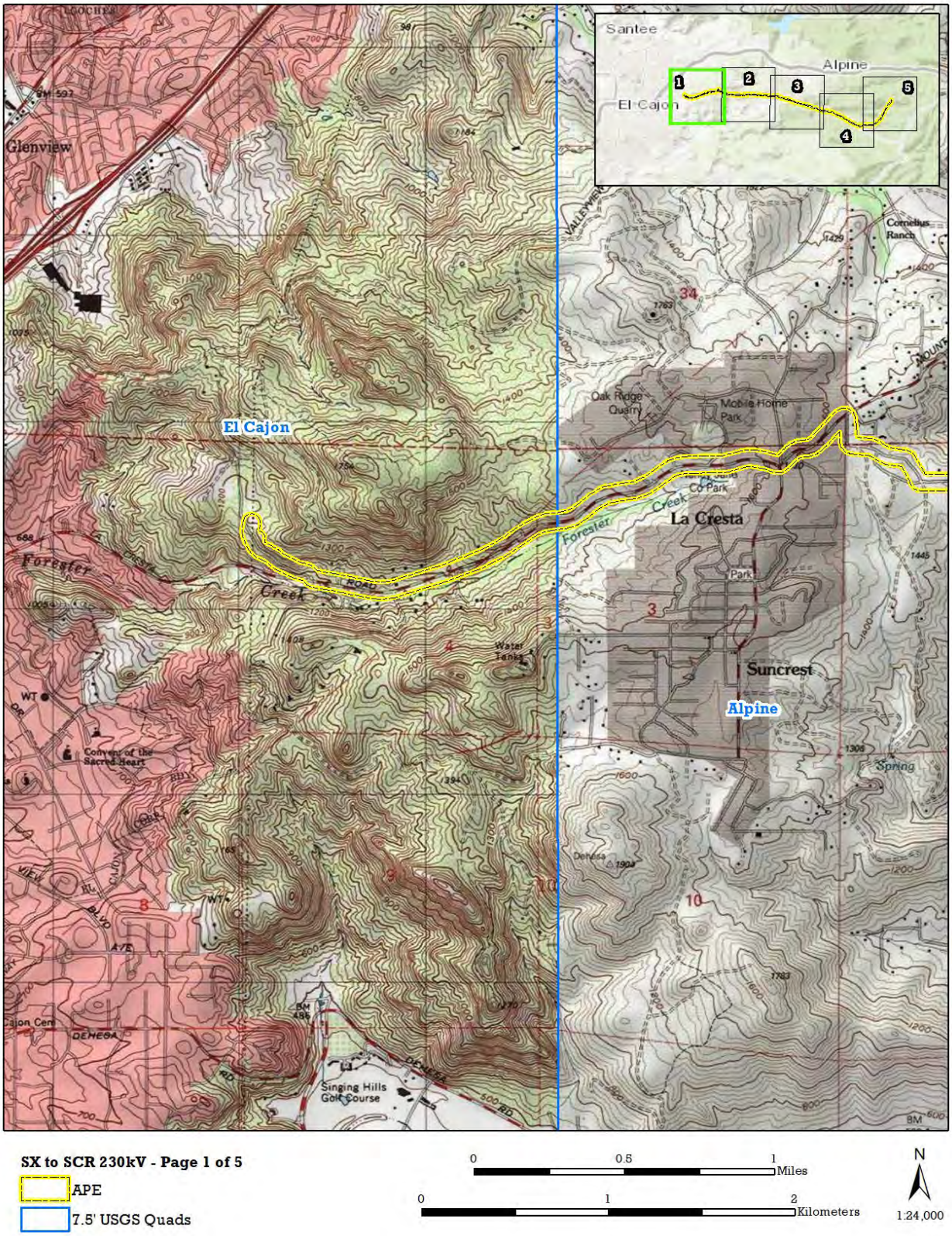

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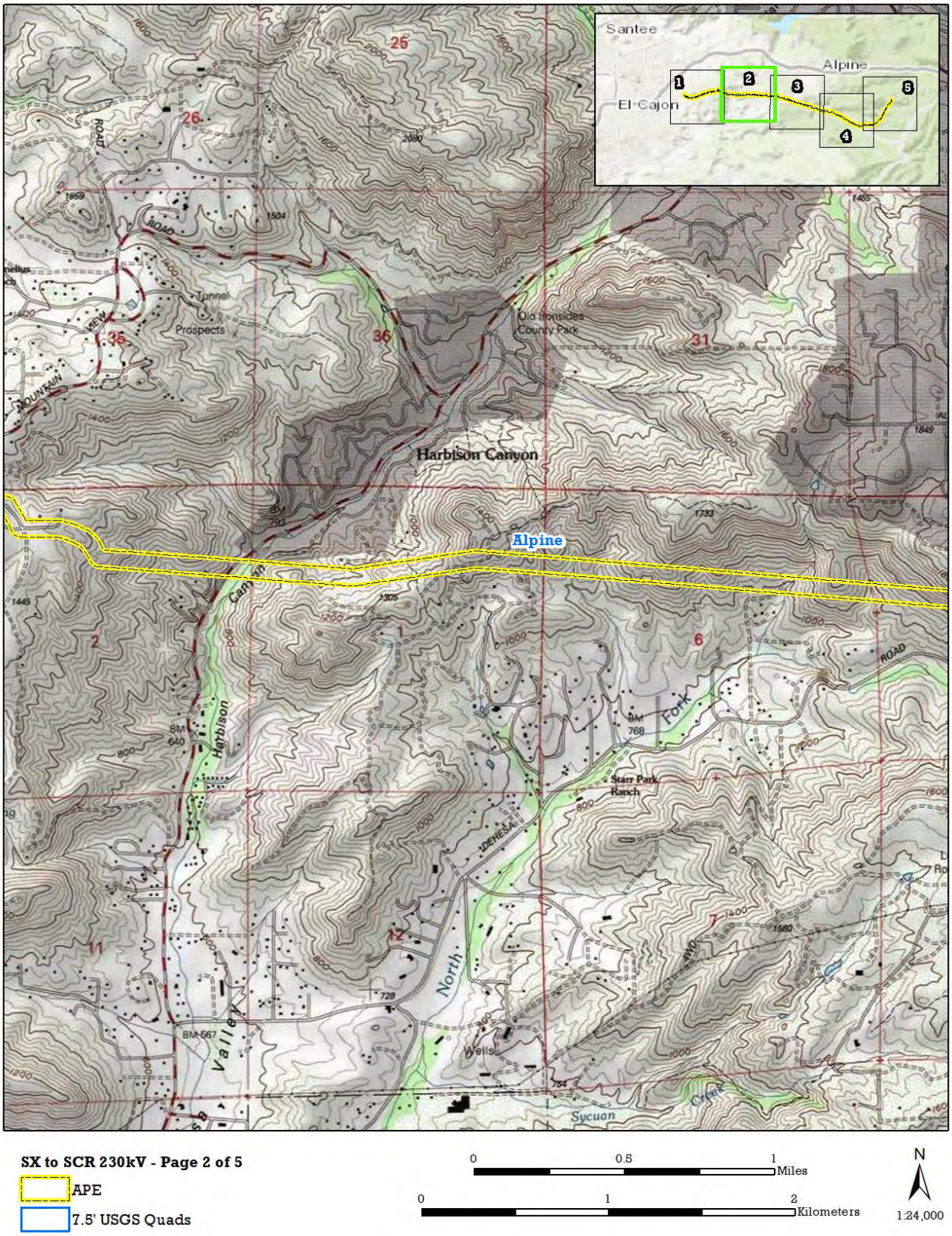

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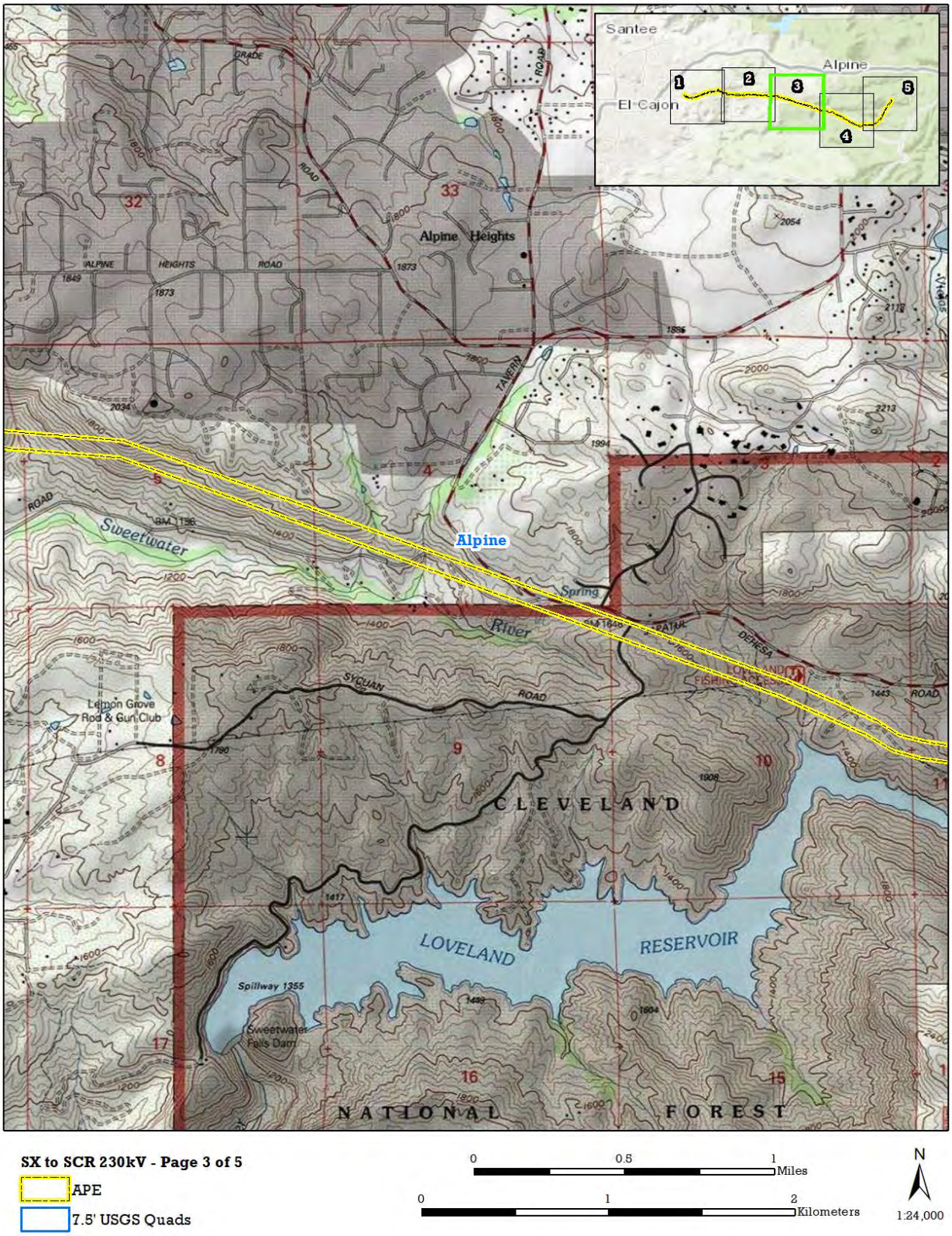

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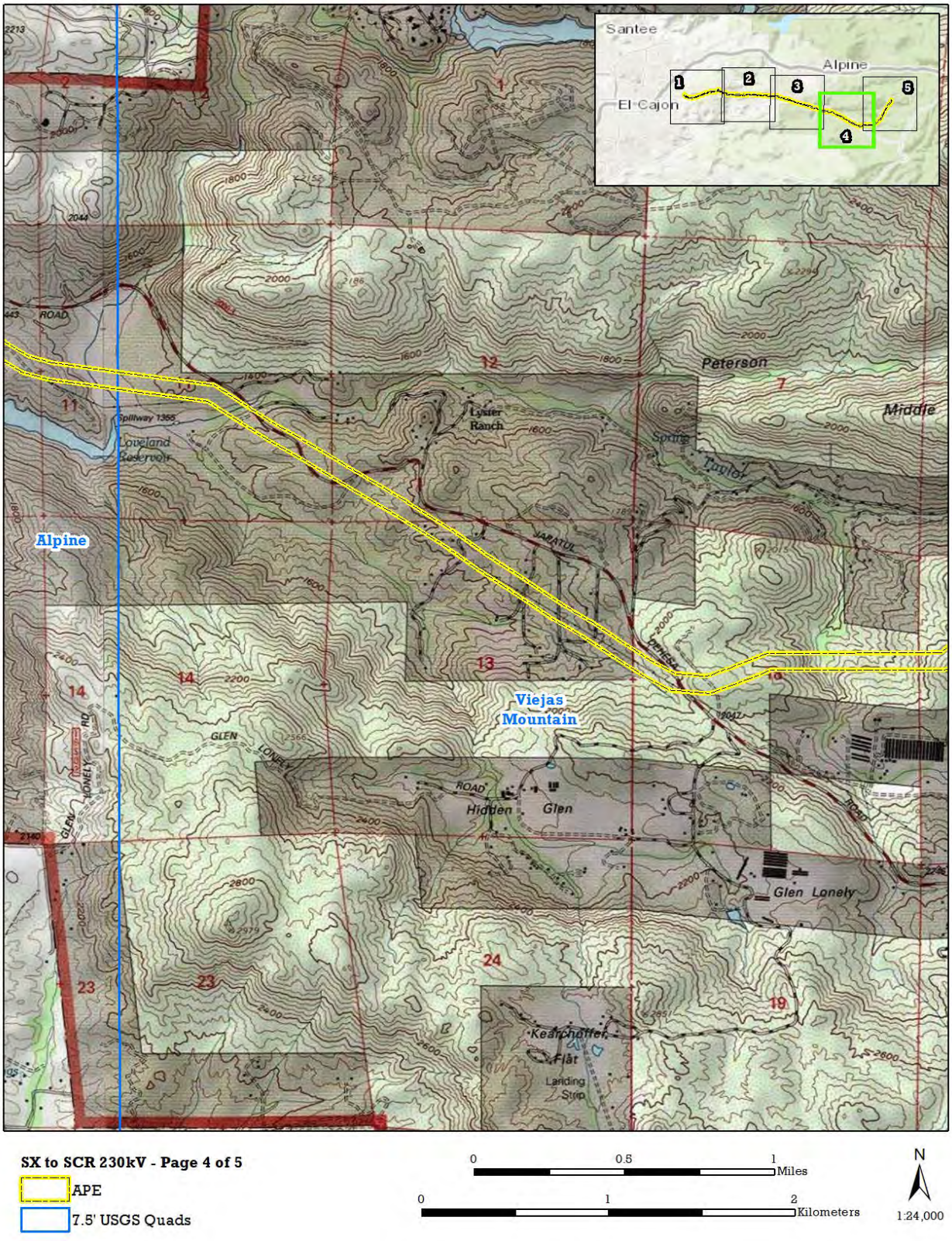

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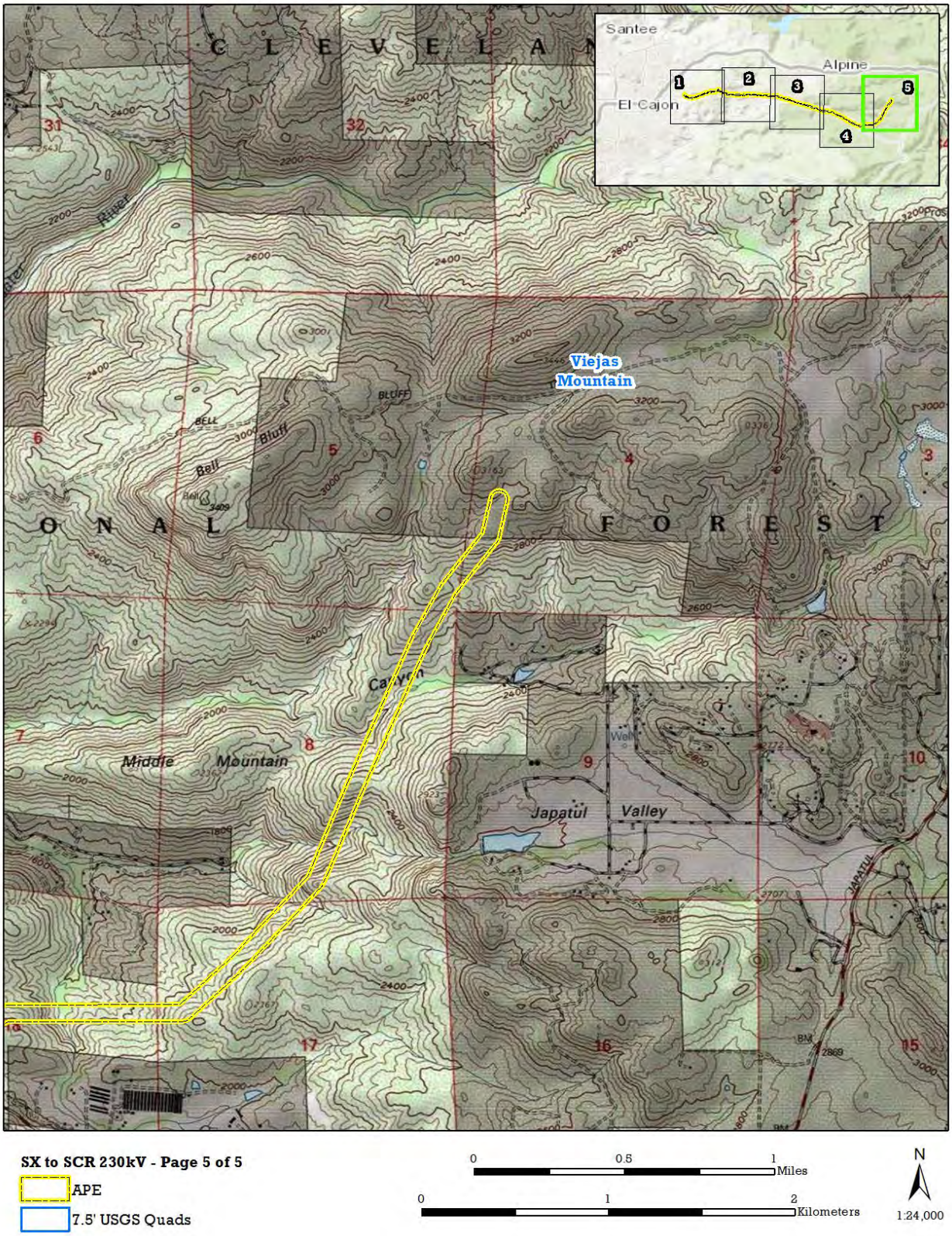

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Page 5

March 19, 2025

Ms. Lisa Cumper
Jamul Indian Village
P.O. Box 612
Jamul, California 91935

RE: Information Request Letter for the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County, California

Dear Ms. Cumper,

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tluevano@asmaffiliates.com

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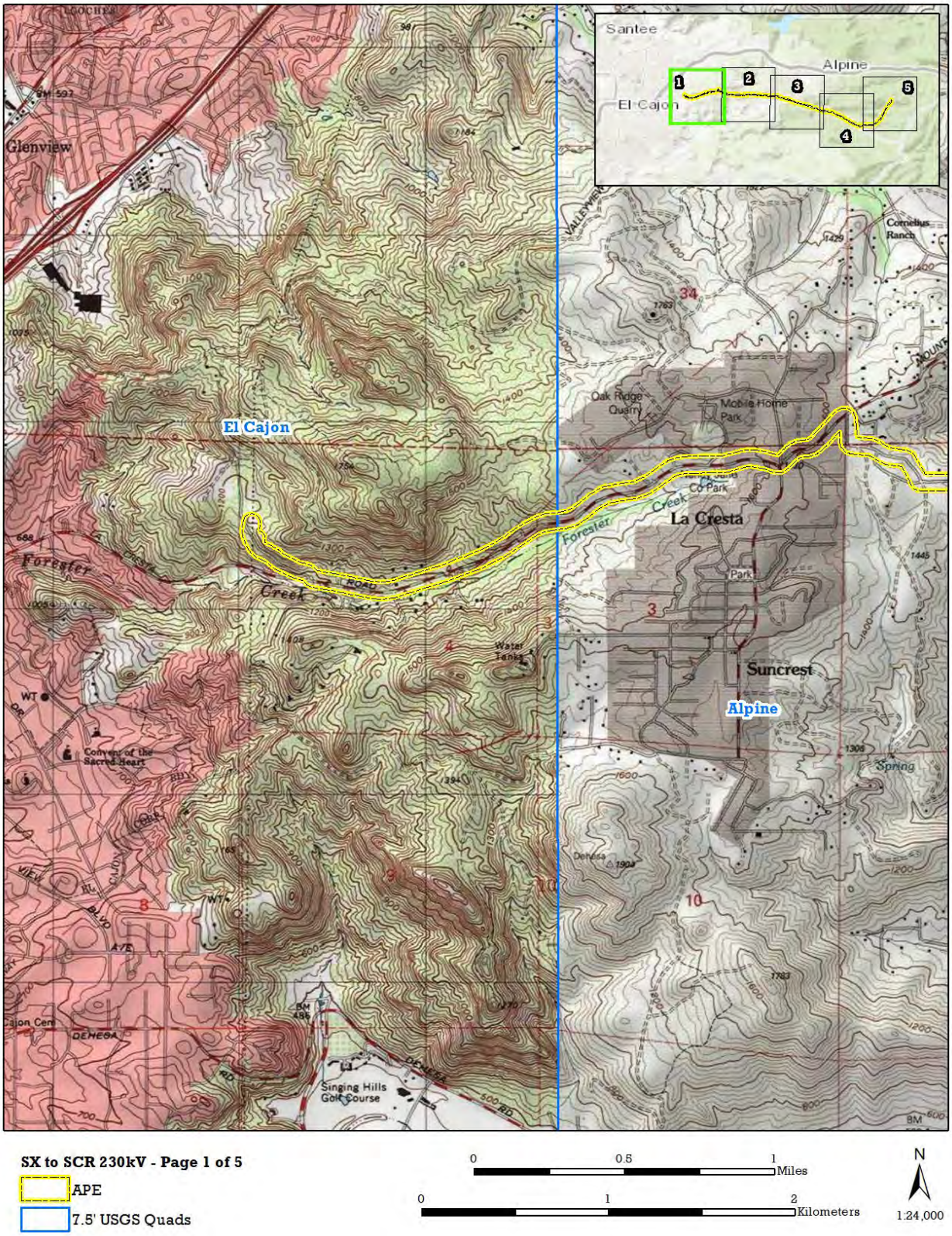

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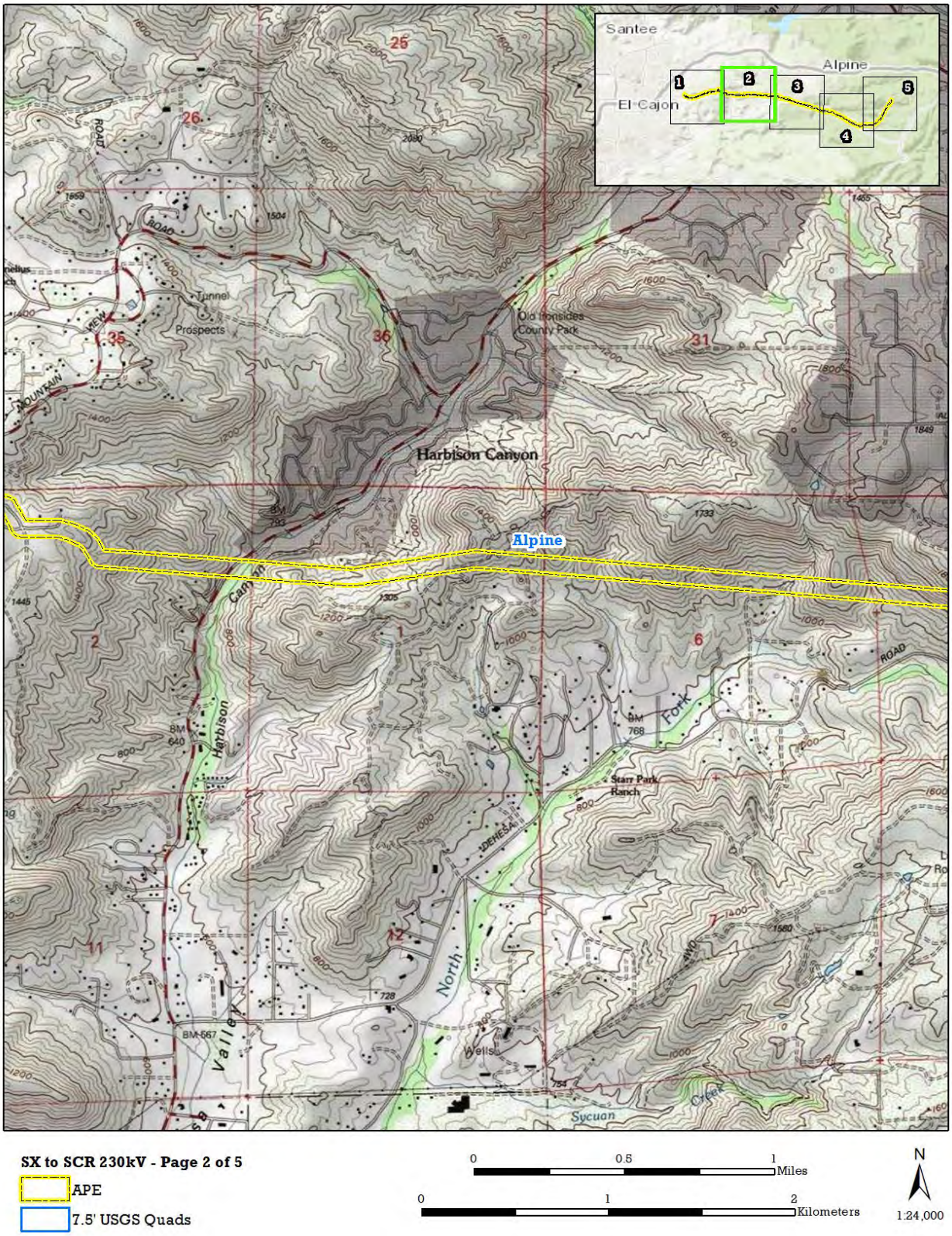

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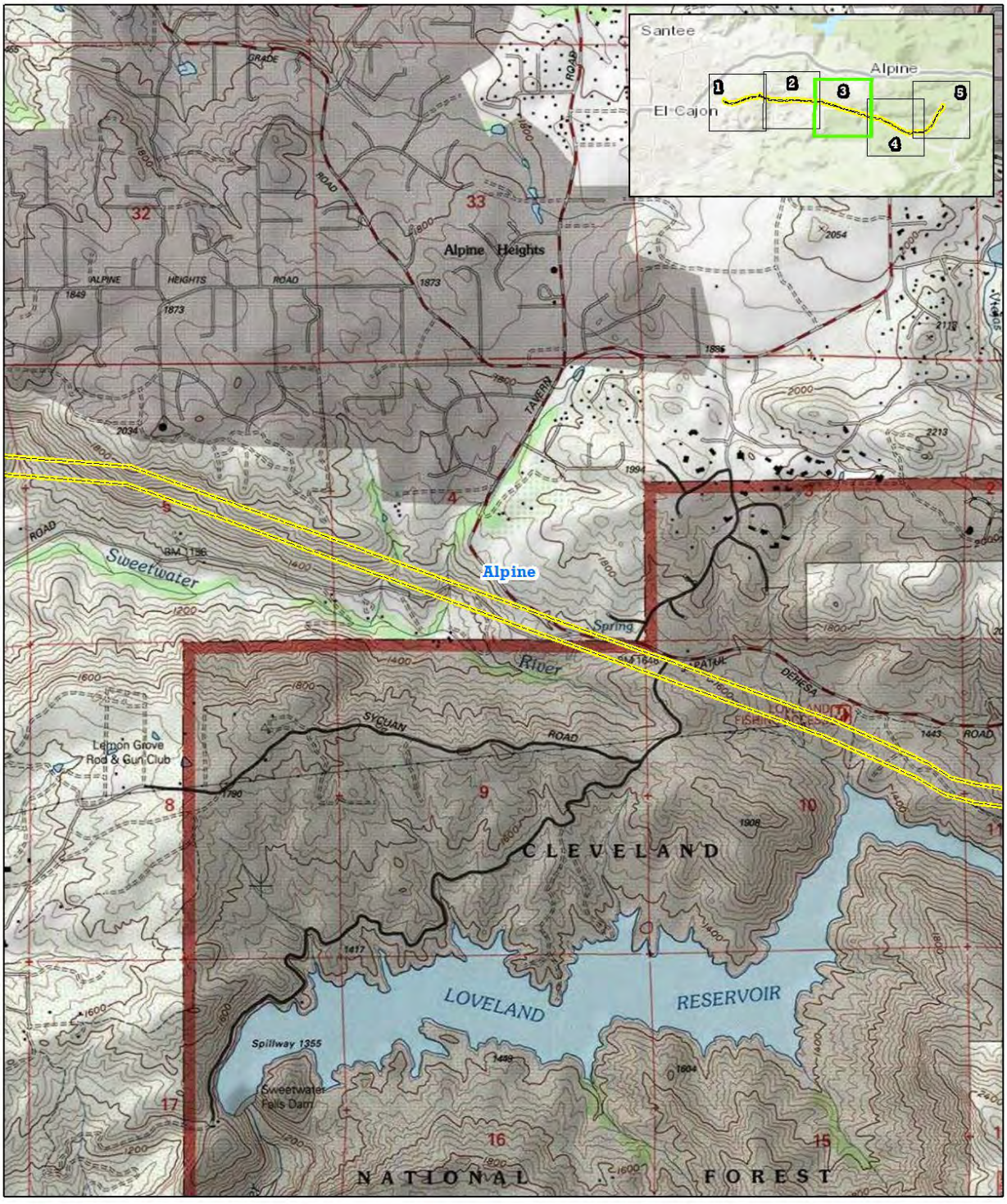

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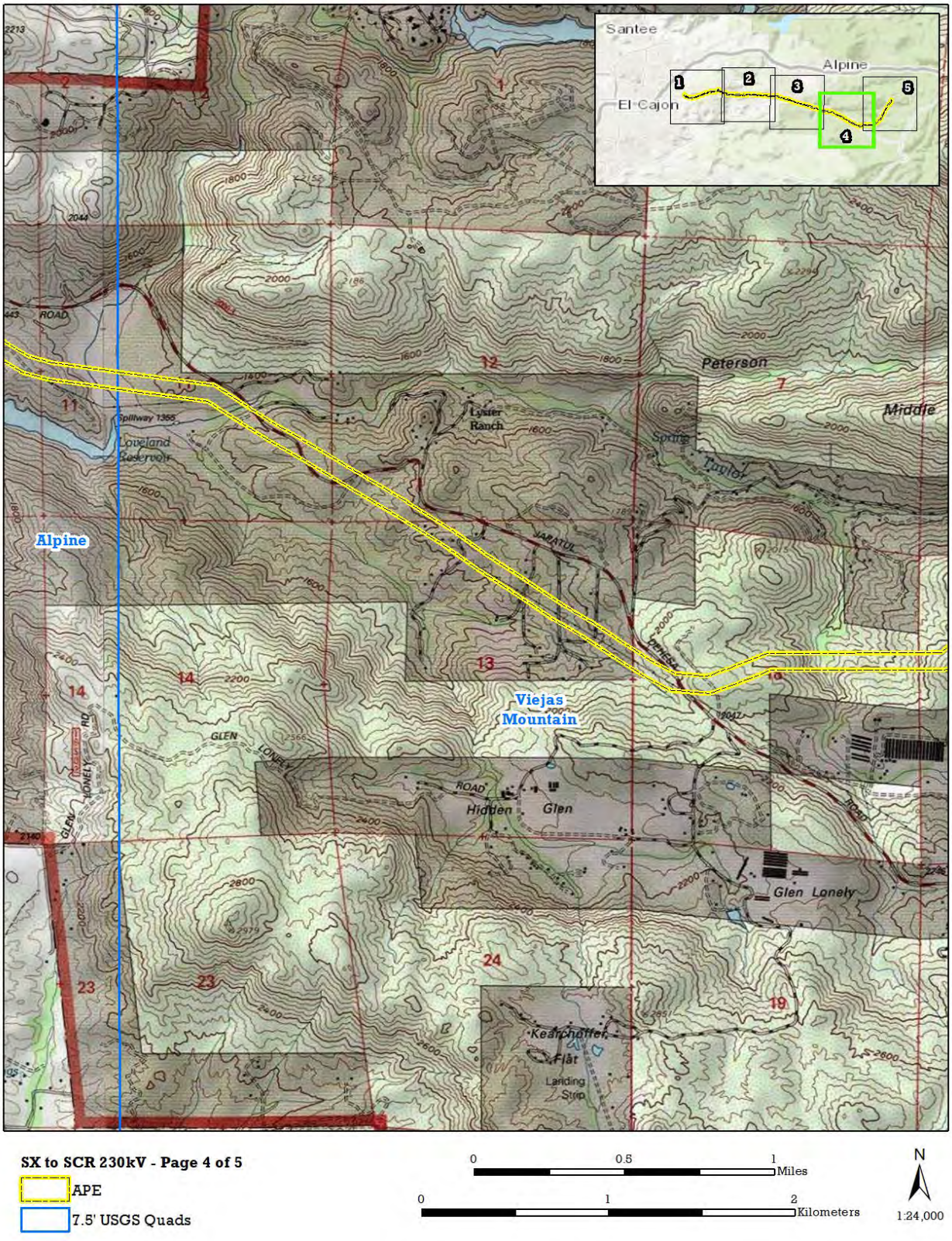

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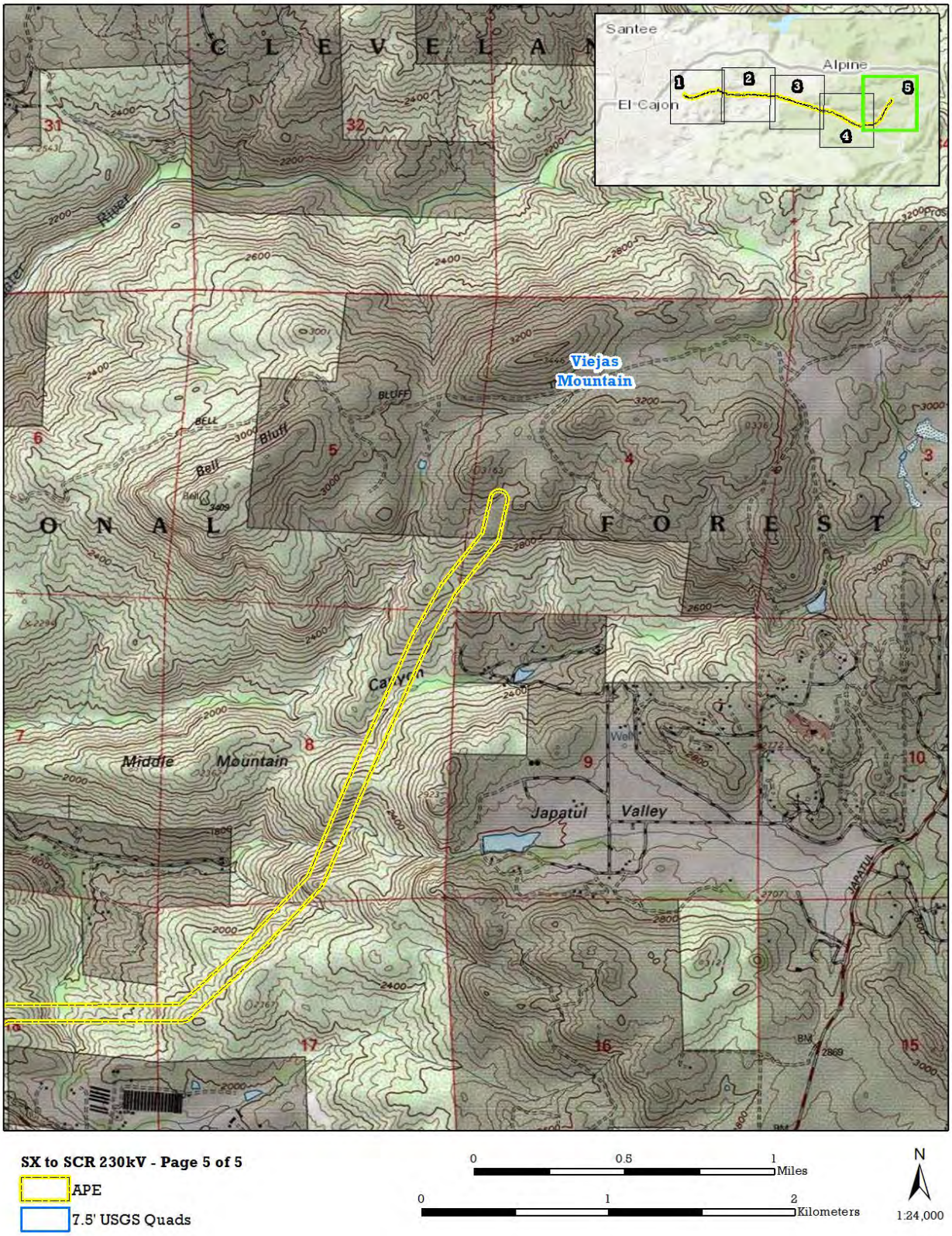

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March 19, 2025

Ms. Carmen Lucas
Kwaaymii Laguna Band of Mission Indians
P.O. Box 775
Pine Valley, California 91962

RE: Information Request Letter for the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County, California

Dear Ms. Lucas,

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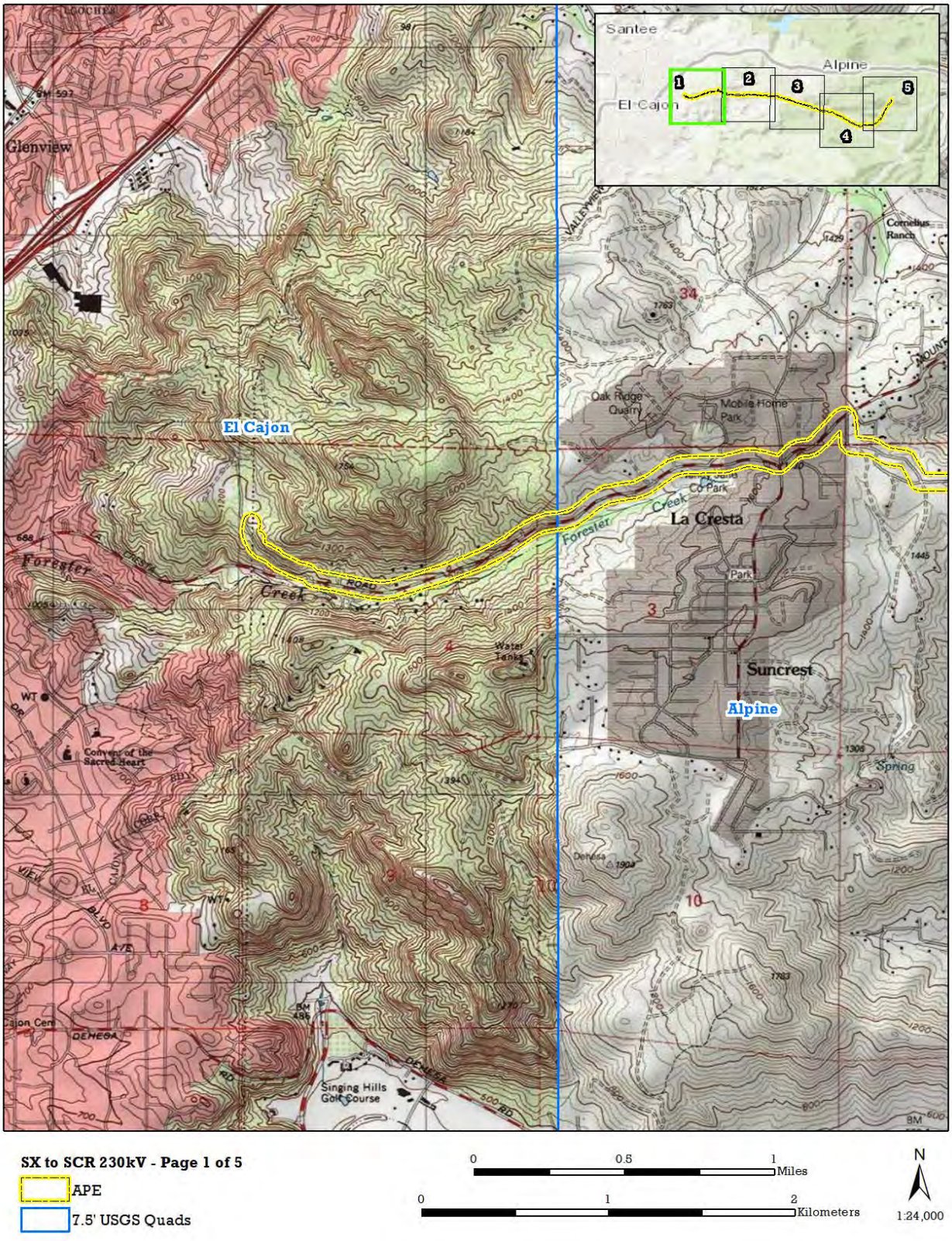

Figure 1. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project.
Page 1

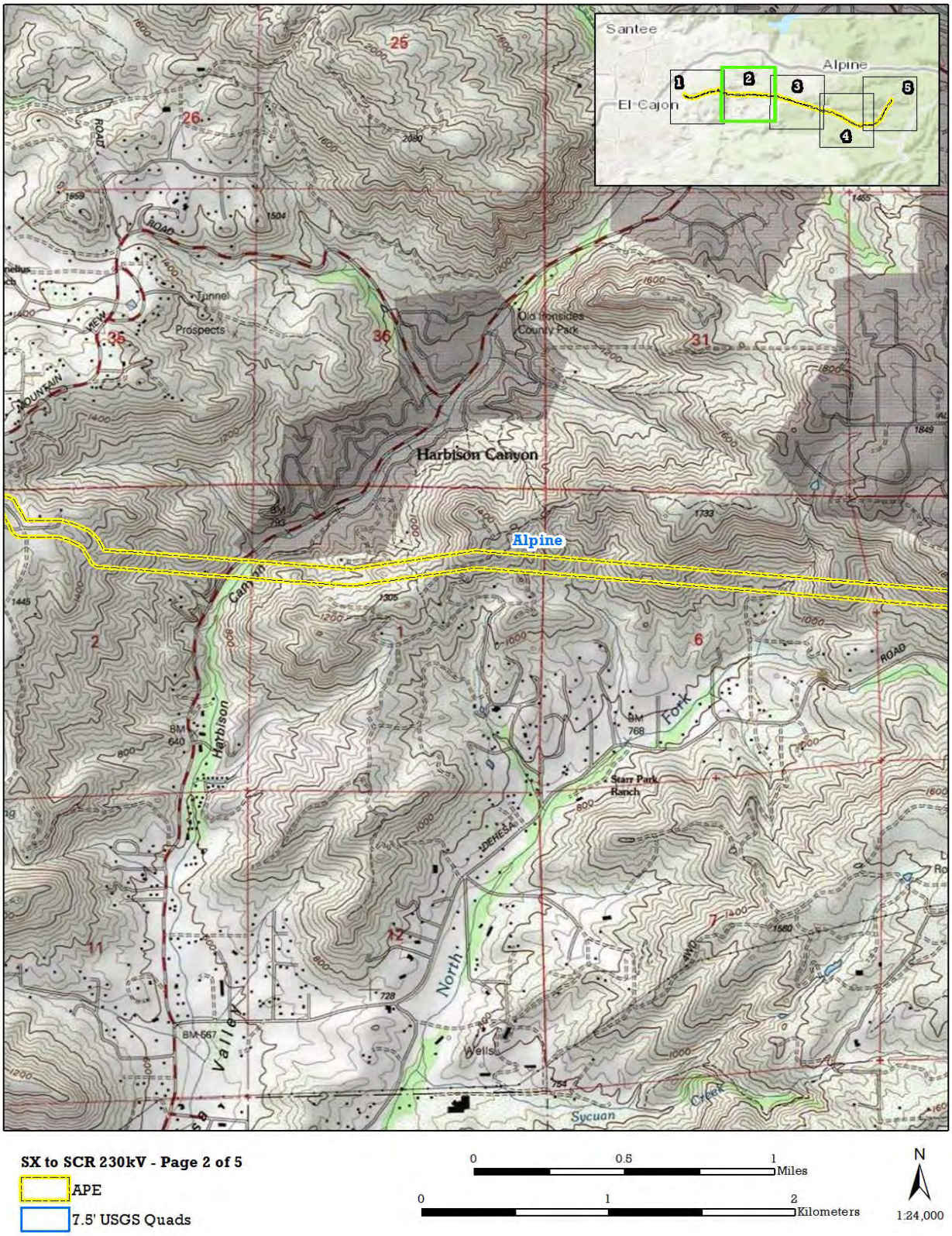

Figure 2. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project.
Page 2

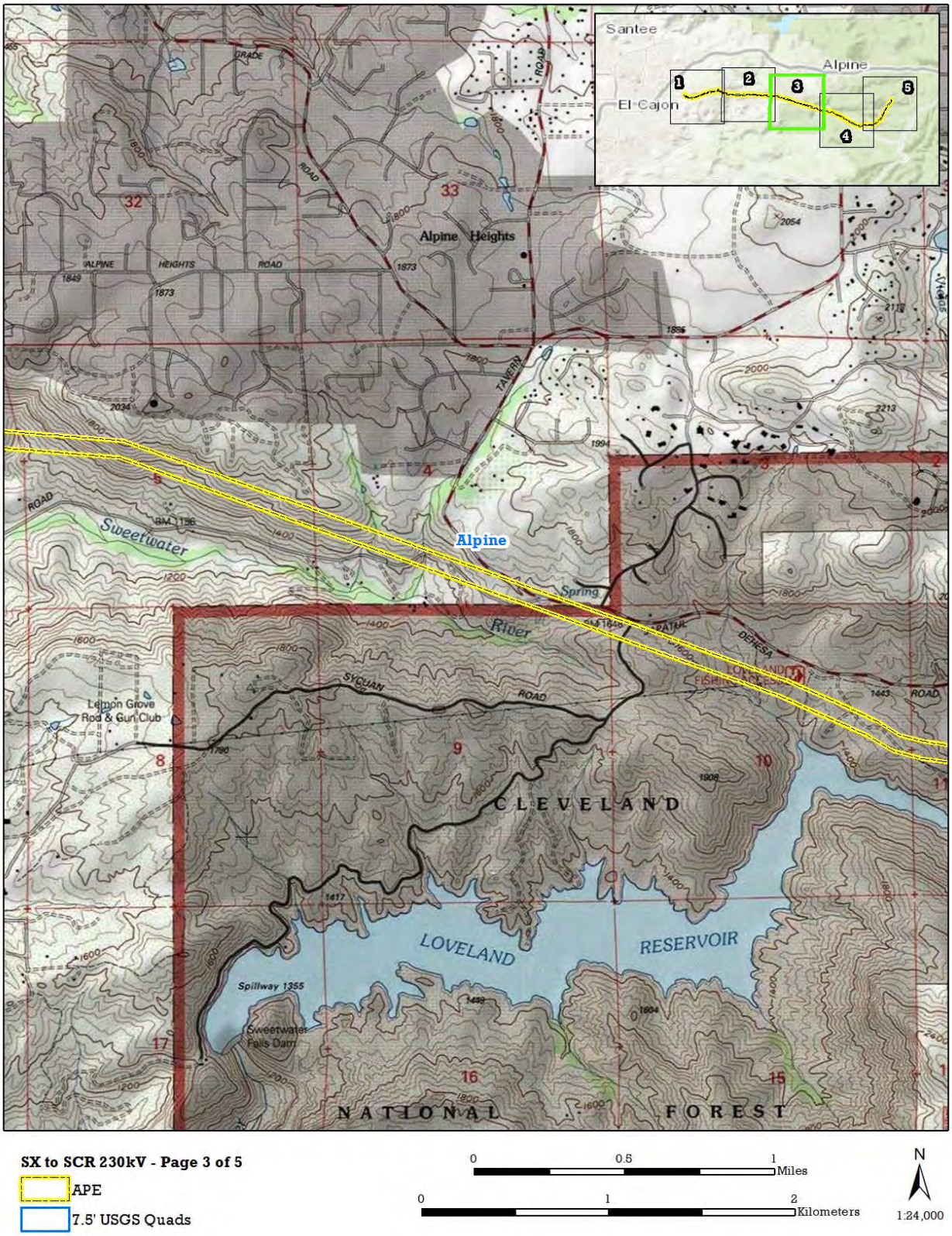

Figure 3. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project.
Page 3

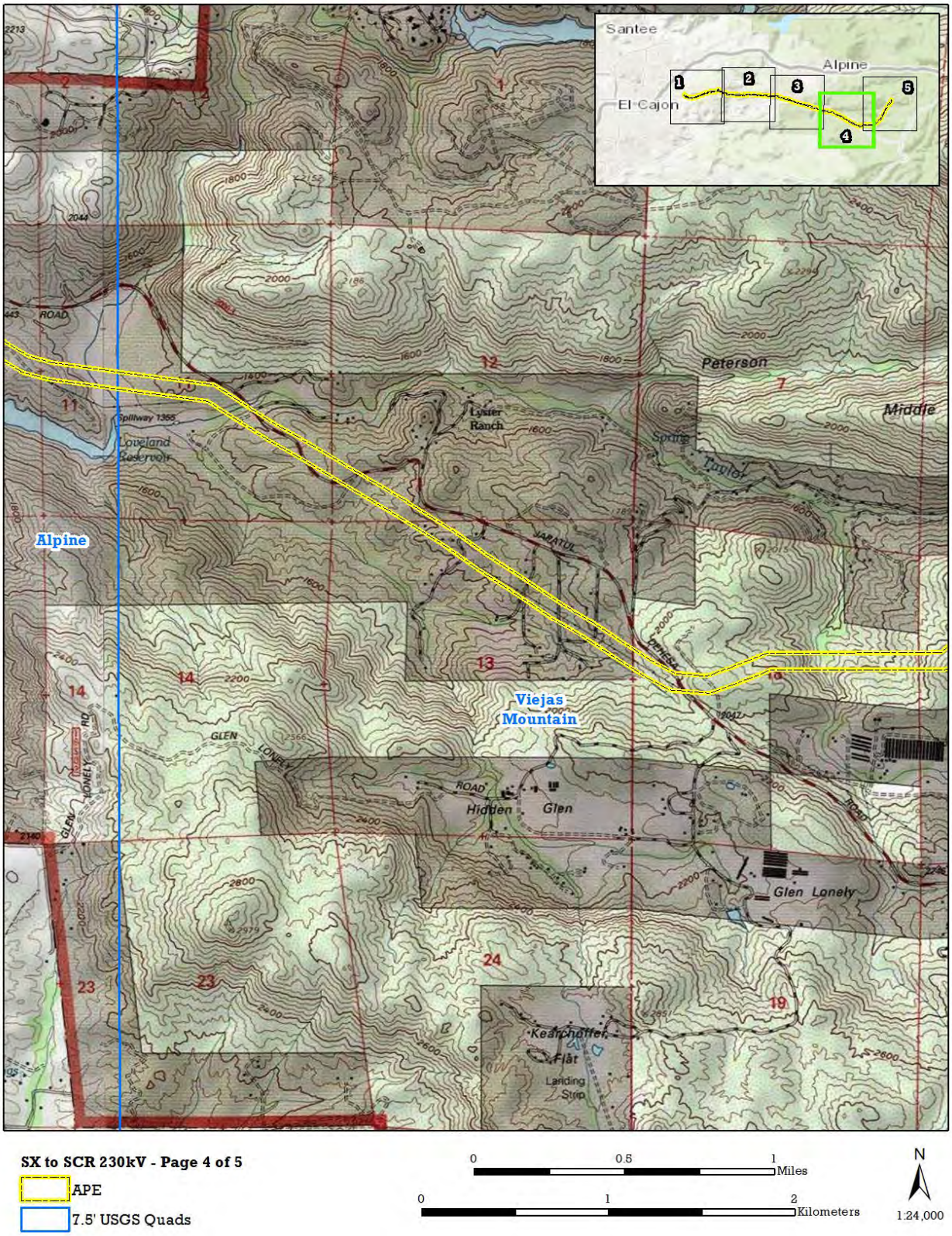

Figure 4. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project.

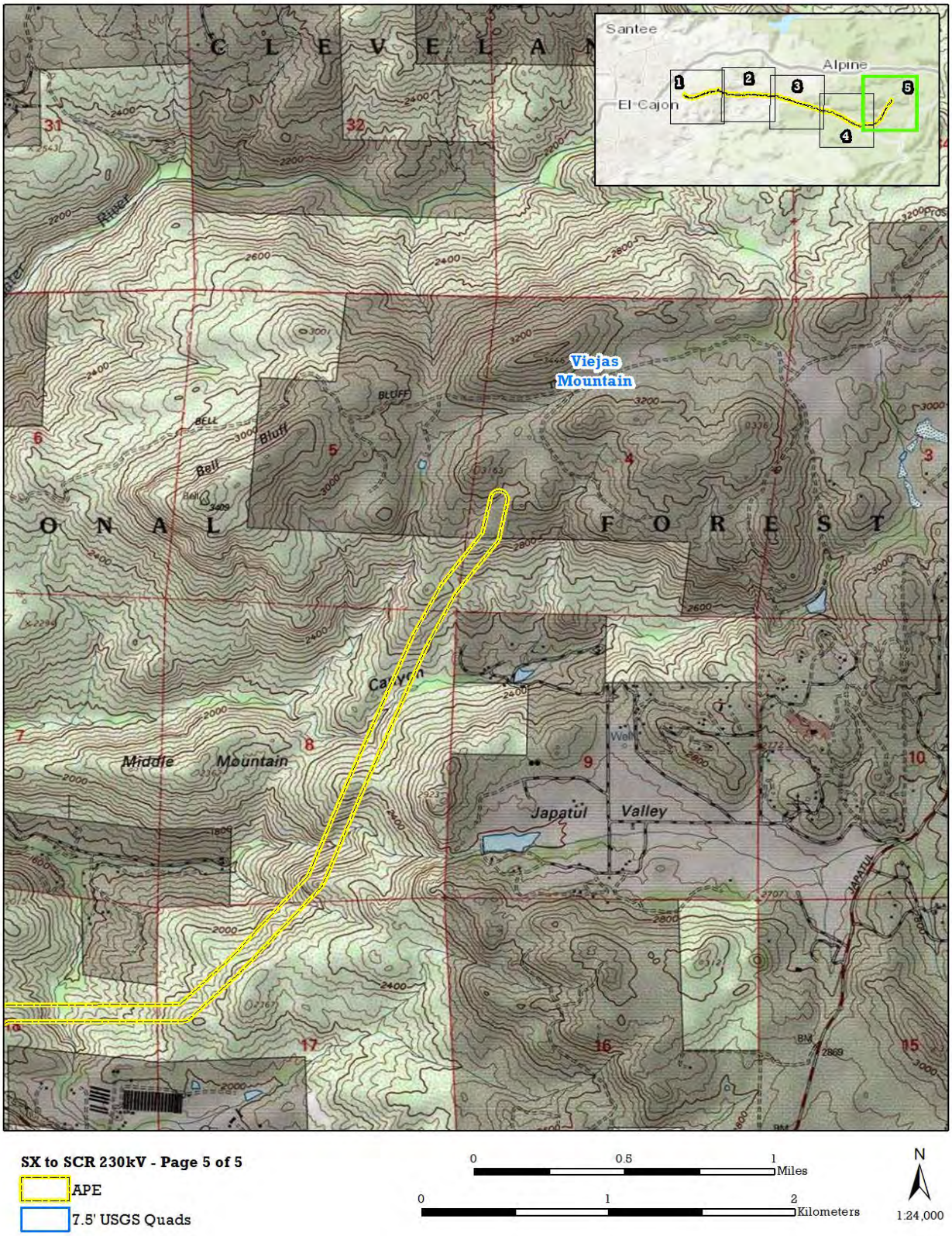

Figure 5. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project.
Page 5

March 19, 2025

Chairperson Erik LaChappa Sr.
La Posta Band of Diegueno Mission Indians
8 Crestwood Road
Boulevard, California 91905

RE: Information Request Letter for the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County, California

Dear Chairperson LaChappa Sr.,

ASM Affiliates, Inc. (ASM) is conducting a cultural resource study for the SDG&E Sycamore Canyon 230 Kilovolt (kV) Loop-In to Suncrest Project Project (Project) which will run through the communities of La Cresta, Harbison Canyon, Alpine, and Japatul, San Diego County, California. The Project is shown on the USGS Alpine, El Cajon, and Viejas, California 7.5-minute quadrangles within the following sections (Figures 1-5):

Township: 15S Range: 1E Section(s): 34, 35
Township: 16S Range: 1E Section(s): 1, 2, 3, 4, Unsectioned (El Cajon Land Grant)
Township: 16S Range: 2E Section(s): 4, 5, 6, 9, 10, 11, 12, 13
Township: 16S Range: 3E Section(s): 4, 5, 8, 17, 18

This study is being undertaken in accordance with the California Environmental Quality Act (CEQA) requirements and National Environmental Protection Act (NEPA) Requirements. The California Public Utilities Commission (CPUC) is the lead CEQA agency for the Project while the United States Forest Service (USFS) is the lead NEPA agency for the Project. The Project will involve the installation of a new double-circuit 230 kV transmission line, as well as modifications to two existing SDG&E substations (i.e., the Suncrest Substation and Sycamore Canyon Substation). Specifically, the project will involve:

- Construction of a new approximately 14 to 16 mile-long, double-circuit 230 kV transmission line segment consisting of overhead and underground configurations to interconnect (or "loop") SDG&E's existing TL23021 into the Suncrest Substation.
- Modifications to the Suncrest Substation, which include the following:
    - installation of a new 500/230 kV transformer, consisting of four separate single-phase units, and associated tertiary reactors, circuit breakers, disconnects, and communication equipment;
    - relocation of an existing 230 kV shunt capacitor and current limiting reactors; and
    - demolition and relocation of an equipment yard and warehouse, which is currently located within the substation's fenced limits, to a nearby location.
- Modifications to the Sycamore Canyon Substation, which include upgrading existing 230 kV breakers from 2000 ampere (A) rated to 3000A rated circuit breakers and installing associated equipment.

A record search of the Sacred Lands File (SLF) with the California Native American Heritage Commission (NAHC) on September 17, 2024, for a previous proposed Project route was positive. An updated record search of the is SLF is being conducted due changes to the Project route since then; however, it is expected

that the result will still be positive and that La Posta will be identified as a Tribe to contact. SDG&E has completed a record search at the South Coastal Information Center and provided the information to ASM, and archaeological surveys are projected to begin in April of 2025.

We are contacting you to find out if you are aware of any issues of cultural concern regarding the area shown on the enclosed Project maps. In particular, we would like to know if you have any knowledge of Traditional Cultural Properties, Sacred Sites, Tribal Cultural Resources, resource collecting areas, or any other areas of concern of which you wish us to be aware. All information provided will be kept confidential.

If you have any questions or concerns regarding the proposed Project, we will contact you about the best way to include consideration of the concerns while maintaining confidentiality. You can contact me at tluevano@asmaffiliates.com or 619-851-4036. We appreciate any input you may have on this project and any information you provide us will remain confidential.

Respectfully Yours,

Terrence Luévano, M.A, RPA
Senior Archaeologist
ASM Affiliates, Inc.
tluevano@asmaffiliates.com

Attachments:
Figure 1. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project. Page 1
Figure 2. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project. Page 2
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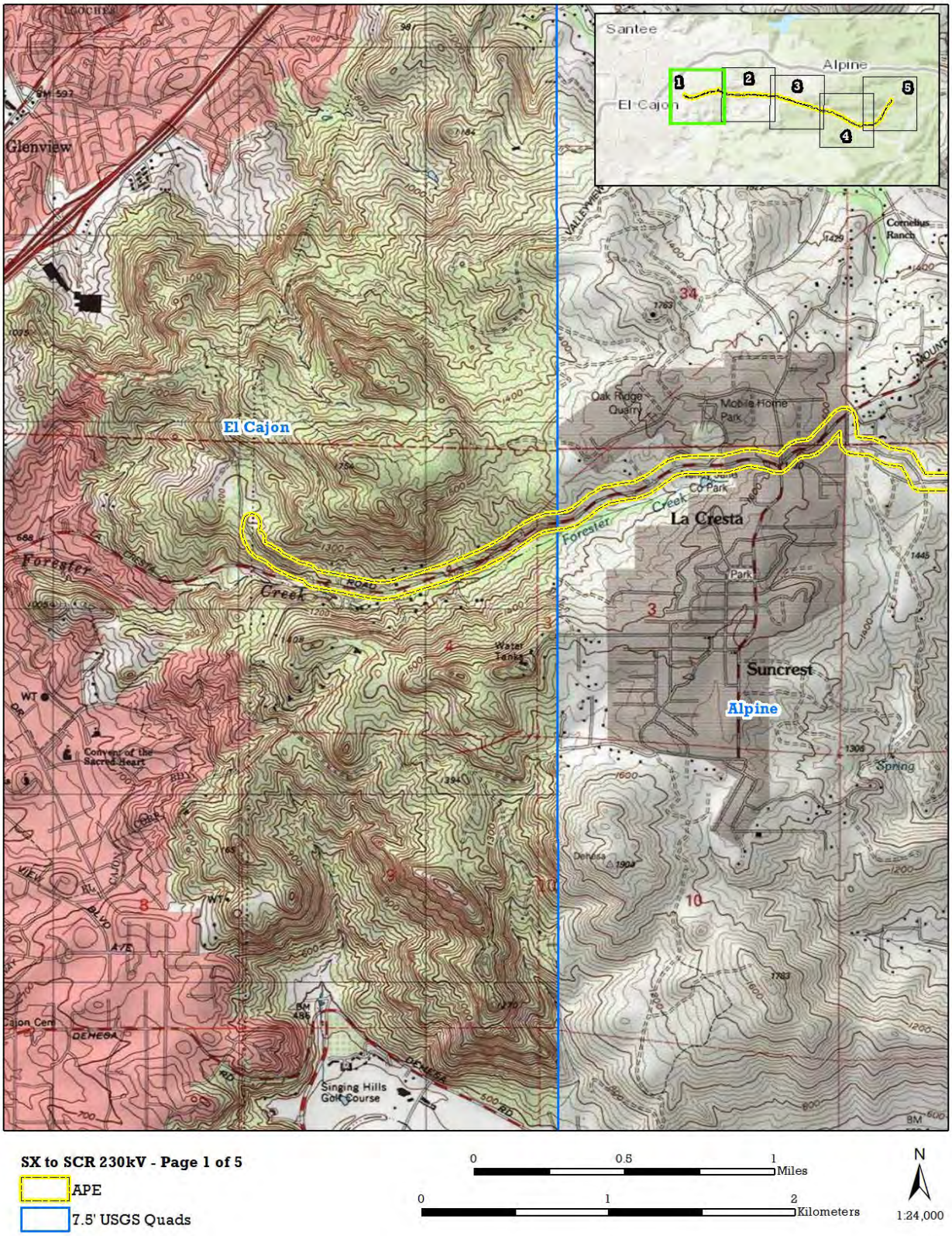

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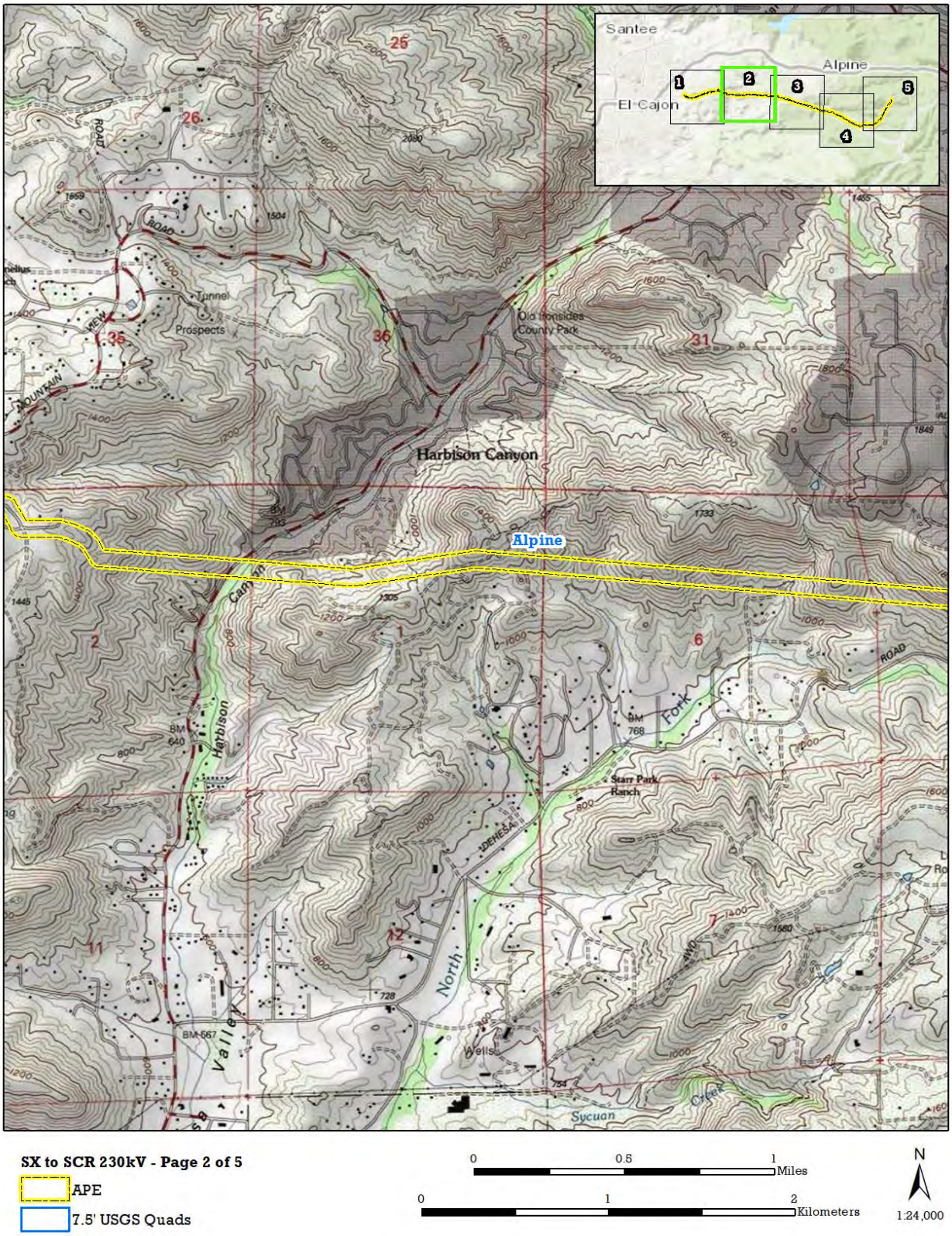
Page 1



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Page 2

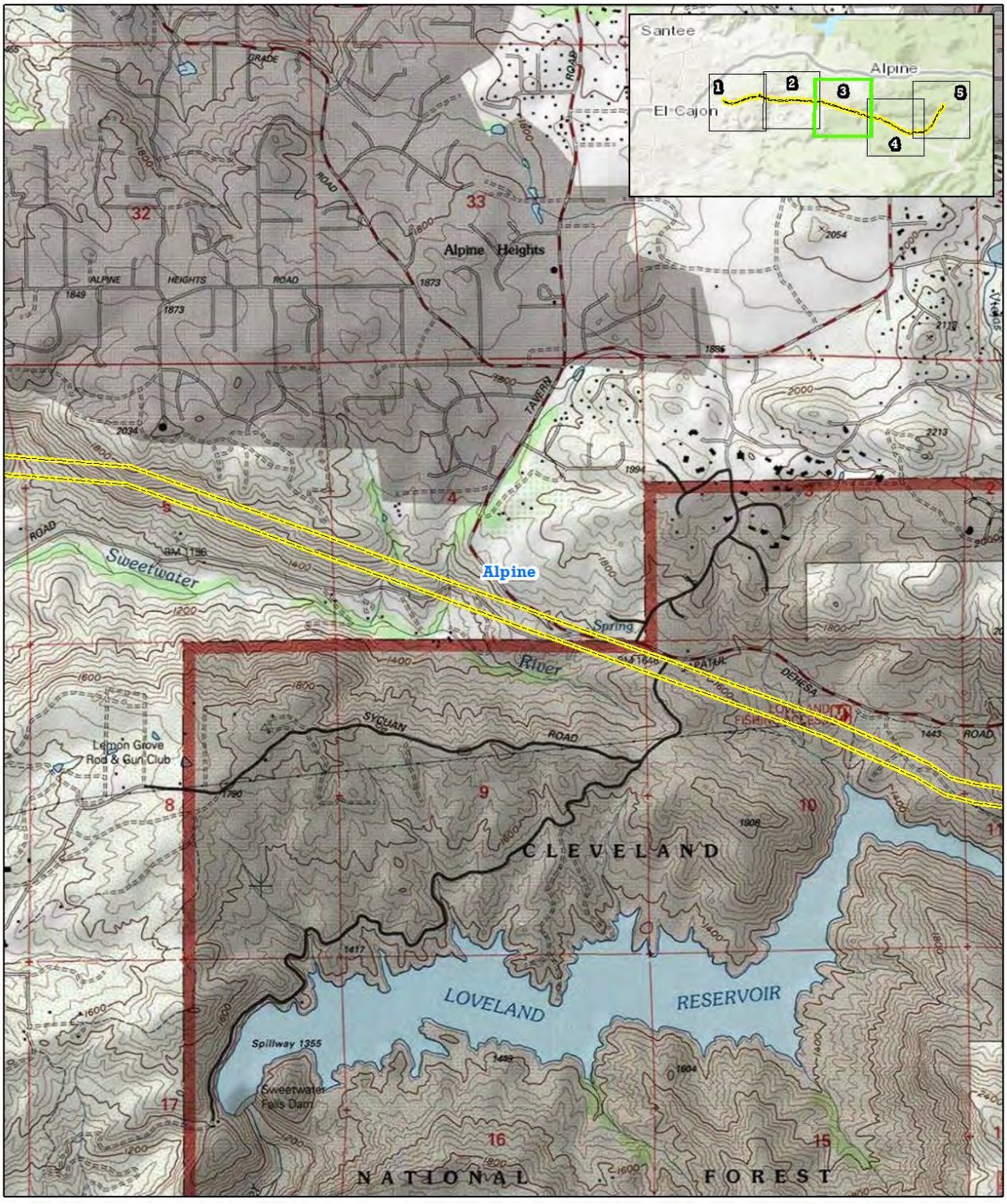

Figure 3. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project.
Page 3

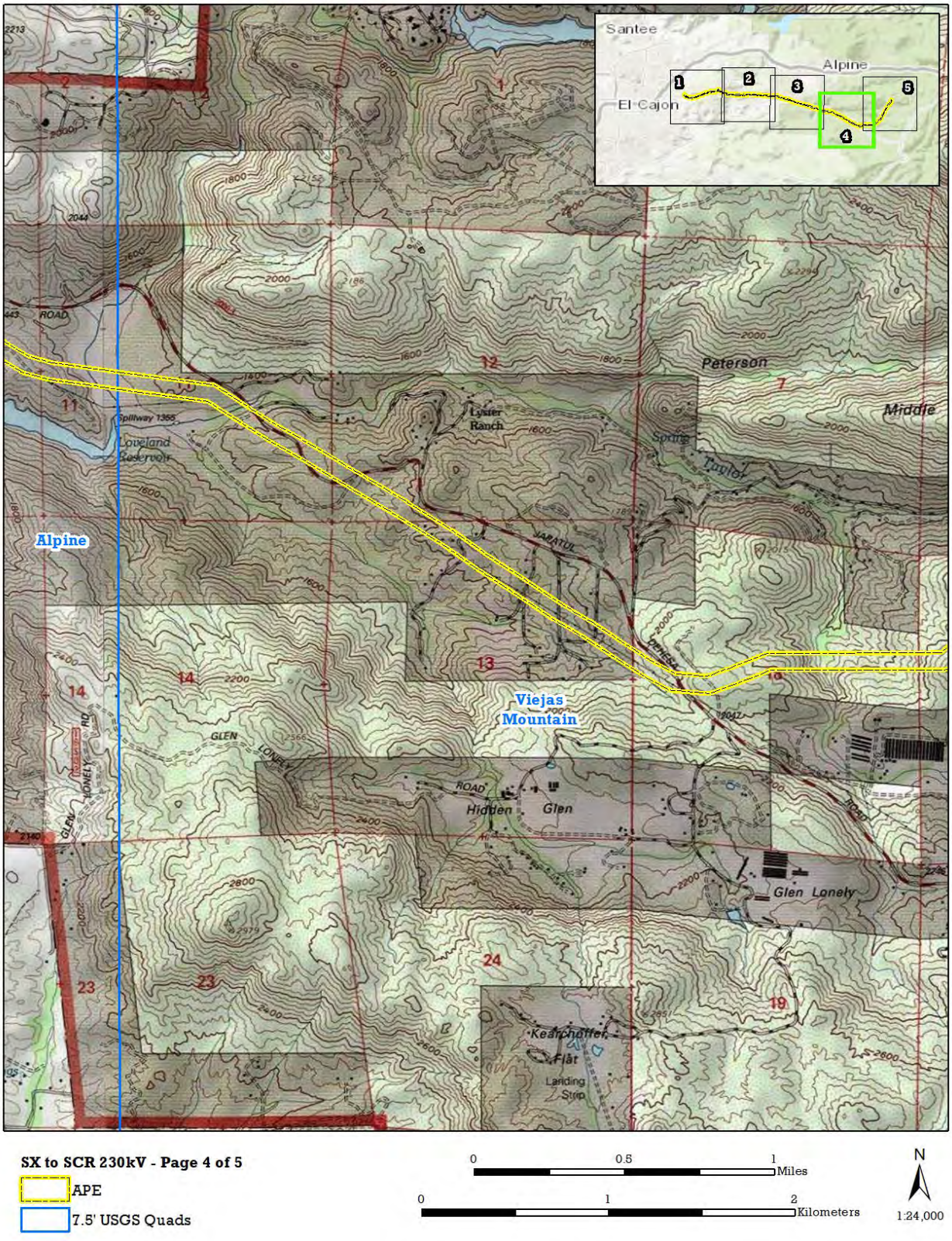

Figure 4. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project.

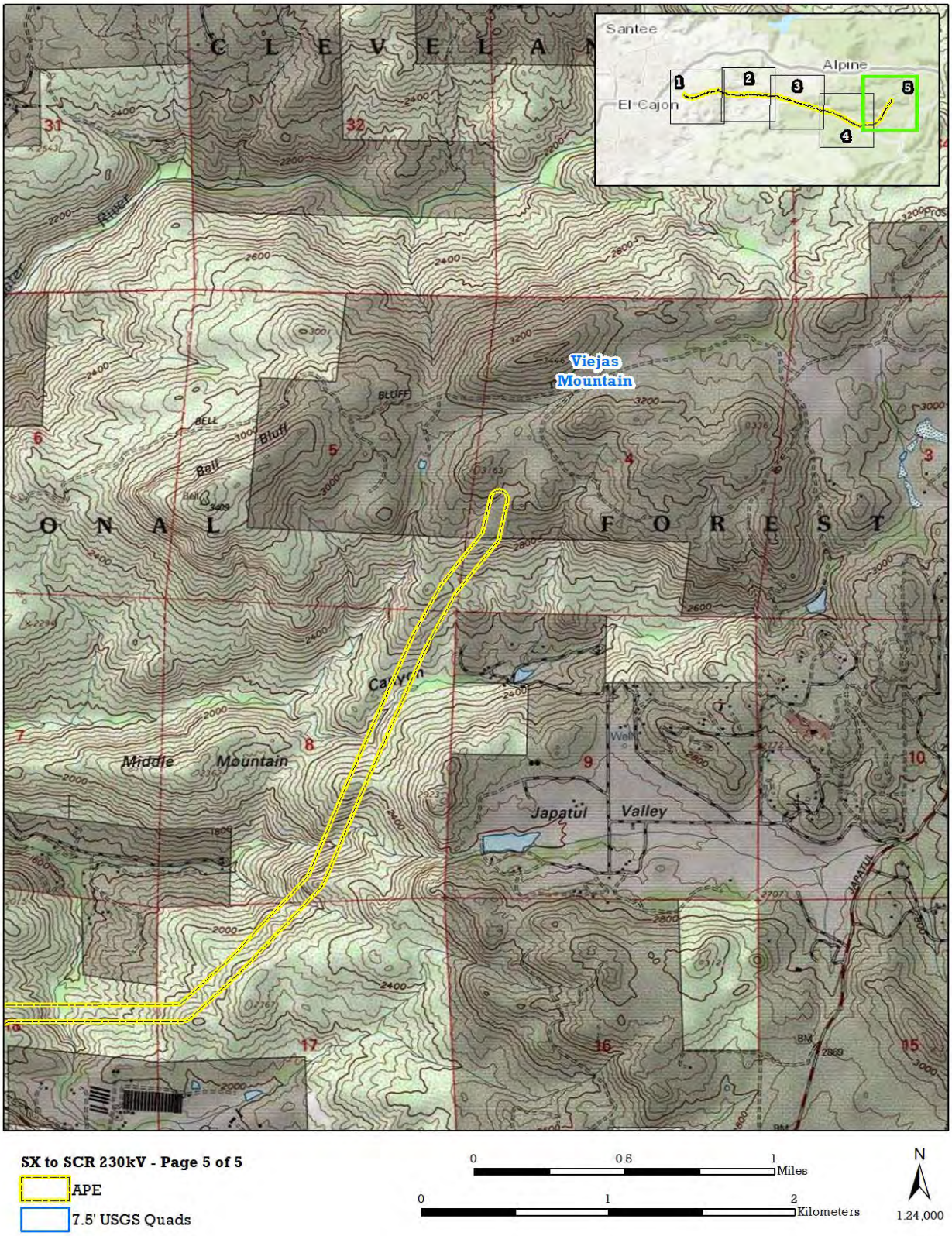

Figure 5. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project.
Page 5

Outlook

[EXTERNAL] Re: Information Request Letter: SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project

From Eric LaChappa <ELaChappa@lptribe.net>
Date Tue 4/22/2025 10:15 AM
To Terrence Luévano <tluevano@asmaffiliates.com>; James Hill <Potts@lptribe.net>; Joe Silva <jsilva@lptribe.net>

1 attachment (3 MB)
La Posta Band_Erik LaChappa.pdf;

Caution: This email is from an EXTERNAL sender. Be safe and verify links and/or attachments prior to opening.

Yes La Posta will be Interesting in the survey
Eric La Chappa Sr.
Chairman
La Posta Band of Mission Indians

> On Apr 22, 2025, at 10:12 AM, Terrence Luévano <tluevano@asmaffiliates.com> wrote:
>
> Dear Chairman LaChappa,
>
> I'm following up again regarding SDG&E's Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project. ASM is conducting a survey in support of the project and has previously sent an information request letter. The project is a proposed powerline running through the communities of La Cresta, Harbison Canyon, Alpine, and Japatul, San Diego County, California. We welcome your feedback on this Project and have reattached your information request letter outlining the project for your review.
>
> Our survey is tentatively scheduled for April 21st through May 21st, and we would like to inquire about your interest in the survey and in the project. Please respond by April 25, 2025, if you have an interest in the survey. You can contact me at (619) 851-4036 or at tluevano@asmaffiliates.com.
>
> Please do not hesitate to contact me if you have any questions.
>
> Sincerely,
> Terrence Luévano
>
> ---
>
> **From:** Terrence Luévano
> **Sent:** Wednesday, March 19, 2025 5:07 PM
> **To:** elachappa@lptribe.net <elachappa@lptribe.net>
> **Subject:** Information Request Letter: SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project
>
> Hello,
>
> Attached to this email is an information request letter for the upcoming SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project. It is a proposed 16 mile powerline running roughly through the communities of La Crest, Harbison Canyon, Alpine, and Japatul and ASM invites the Tribe's response regarding the project as detailed in the information request letter.
>
> Please do not hesitate to contact me if you have any questions.

Sincerely,
Terrence Luévano

Photograph

Terrence Luévano M.A., RPA | Senior Archaeologist
7710 Balboa Ave., Suite 303 San Diego, CA | O: (619) 738-4030 | M: (619) 851-4036
tluevano@asmaffiliates.com | https://asmaffiliates.com

Outlook

Re: [EXTERNAL] Re: Information Request Letter: SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project

From Joe Silva <jsilva@lptribe.net>
Date Tue 4/22/2025 10:43 AM
To Terrence Luévano <tluevano@asmaffiliates.com>
Cc Rachel Ruston <rruston@asmaffiliates.com>

I'll send it over to the office right now and we'll have it filled out.

Thank you
Joseph

From: Terrence Luévano <tluevano@asmaffiliates.com>
Sent: Tuesday, April 22, 2025 10:42:58 AM
To: Joe Silva <jsilva@lptribe.net>
Cc: Rachel Ruston <rruston@asmaffiliates.com>
Subject: Re: [EXTERNAL] Re: Information Request Letter: SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project

Dear Mr. Silva,

Information request letters were sent to all Tribes identified by the NAHC's SLF request at the end of March. I am currently recontacting Tribes that have not responded to date. We have initiated the surveys with Native American monitors from Viejas.

If you would like to be added to the rotation, please fill out the service agreement and/or send us a W9 so that we can compensate you for monitoring.

I appreciate your response regarding this matter.

Sincerely,
Terrence Luévano

From: Joe Silva
Sent: Tuesday, April 22, 2025 10:35 AM
To: Terrence Luévano
Subject: [EXTERNAL] Re: Information Request Letter: SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project

Caution: This email is from an EXTERNAL sender. Be safe and verify links and/or attachments prior to opening.
Also when are you doing your first survey? I know it says the 21st with it being the 22nd. Have you gone already out there and already started?

Thank you
Joseph

Thank you
Joseph

From: Joe Silva <jsilva@lptribe.net>
Sent: Tuesday, April 22, 2025 10:31:45 AM
To: Terrence Luévano <tluevano@asmaffiliates.com>
Subject: Re: Information Request Letter: SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project

Hello are there any other tribes contacted and doing the survey as well?

Thank you
Joseph

From: Eric LaChappa <ELaChappa@lptribe.net>
Sent: Tuesday, April 22, 2025 10:15:50 AM
To: Terrence Luévano <tluevano@asmaffiliates.com>; James Hill <Potts@lptribe.net>; Joe Silva <jsilva@lptribe.net>
Subject: Re: Information Request Letter: SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project

Yes La Posta will be Interesting in the survey
Eric La Chappa Sr.
Chairman
La Posta Band of Mission Indians

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> Please do not hesitate to contact me if you have any questions.
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> Terrence Luévano
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> **From:** Terrence Luévano
> **Sent:** Wednesday, March 19, 2025 5:07 PM
> **To:** elachappa@lptribe.net <elachappa@lptribe.net>
> **Subject:** Information Request Letter: SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project
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> Hello,
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> Attached to this email is an information request letter for the upcoming SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project. It is a proposed 16 mile powerline running roughly through the communities of La Crest, Harbison Canyon, Alpine, and Japatul and ASM invites the Tribe's response regarding the project as detailed in the information request letter.
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> Please do not hesitate to contact me if you have any questions.
>
> Sincerely,
> Terrence Luévano

Photograph

Terrence Luévano M.A., RPA | Senior Archaeologist

7710 Balboa Ave., Suite 303 San Diego, CA | O: (619) 738-4030 | M: (619) 851-4036

tluevano@asmaffiliates.com | https://asmaffiliates.com

JxAEPQD6bacwVEfmxvm4W6R

March 19, 2025

Chairperson Angela Elliott Santos
Manzanita Band of Kumeyaay Nation
P.O. Box 1302
Boulevard, California 91905

RE: Information Request Letter for the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County, California

Dear Chairperson Elliott Santos,

ASM Affiliates, Inc. (ASM) is conducting a cultural resource study for the SDG&E Sycamore Canyon 230 Kilovolt (kV) Loop-In to Suncrest Project Project (Project) which will run through the communities of La Cresta, Harbison Canyon, Alpine, and Japatul, San Diego County, California. The Project is shown on the USGS Alpine, El Cajon, and Viejas, California 7.5-minute quadrangles within the following sections (Figures 1-5):

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This study is being undertaken in accordance with the California Environmental Quality Act (CEQA) requirements and National Environmental Protection Act (NEPA) Requirements. The California Public Utilities Commission (CPUC) is the lead CEQA agency for the Project while the United States Forest Service (USFS) is the lead NEPA agency for the Project. The Project will involve the installation of a new double-circuit 230 kV transmission line, as well as modifications to two existing SDG&E substations (i.e., the Suncrest Substation and Sycamore Canyon Substation). Specifically, the project will involve:

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We are contacting you to find out if you are aware of any issues of cultural concern regarding the area shown on the enclosed Project maps. In particular, we would like to know if you have any knowledge of Traditional Cultural Properties, Sacred Sites, Tribal Cultural Resources, resource collecting areas, or any other areas of concern of which you wish us to be aware. All information provided will be kept confidential.

If you have any questions or concerns regarding the proposed Project, we will contact you about the best way to include consideration of the concerns while maintaining confidentiality. You can contact me at tluevano@asmaffiliates.com or 619-851-4036. We appreciate any input you may have on this project and any information you provide us will remain confidential.

Respectfully Yours,

Terrence Luévano, M.A, RPA
Senior Archaeologist
ASM Affiliates, Inc.
tluevano@asmaffiliates.com

Attachments:

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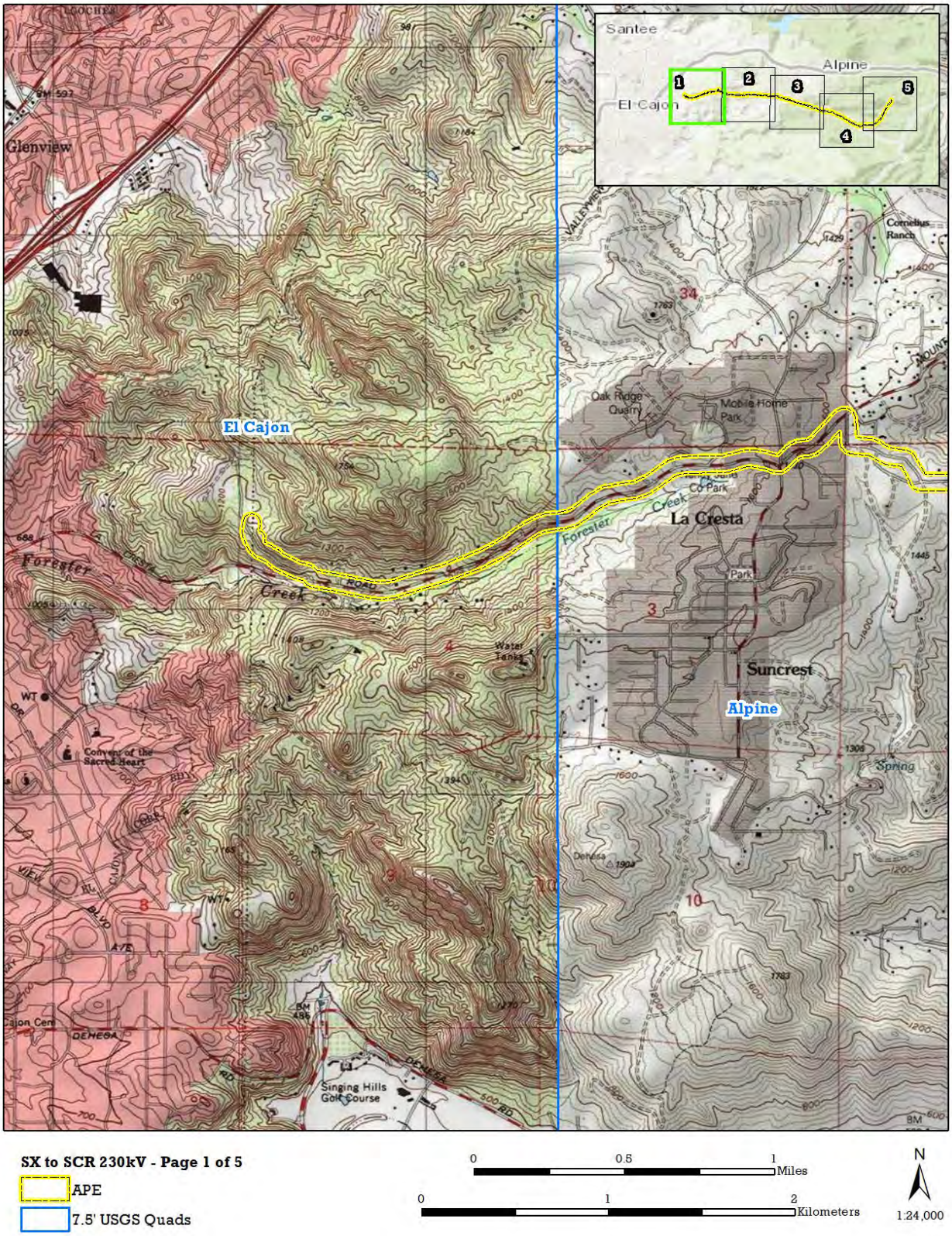

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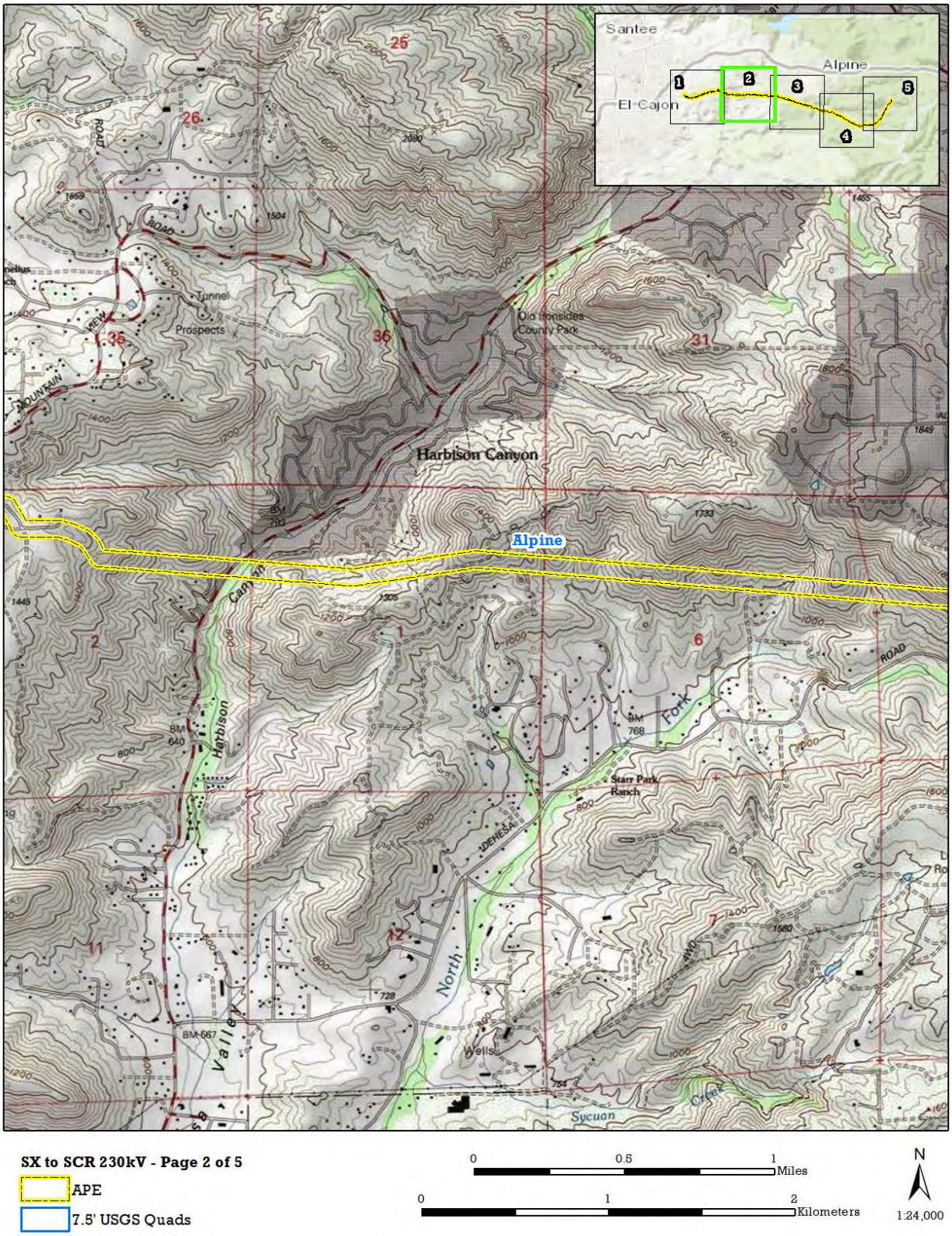

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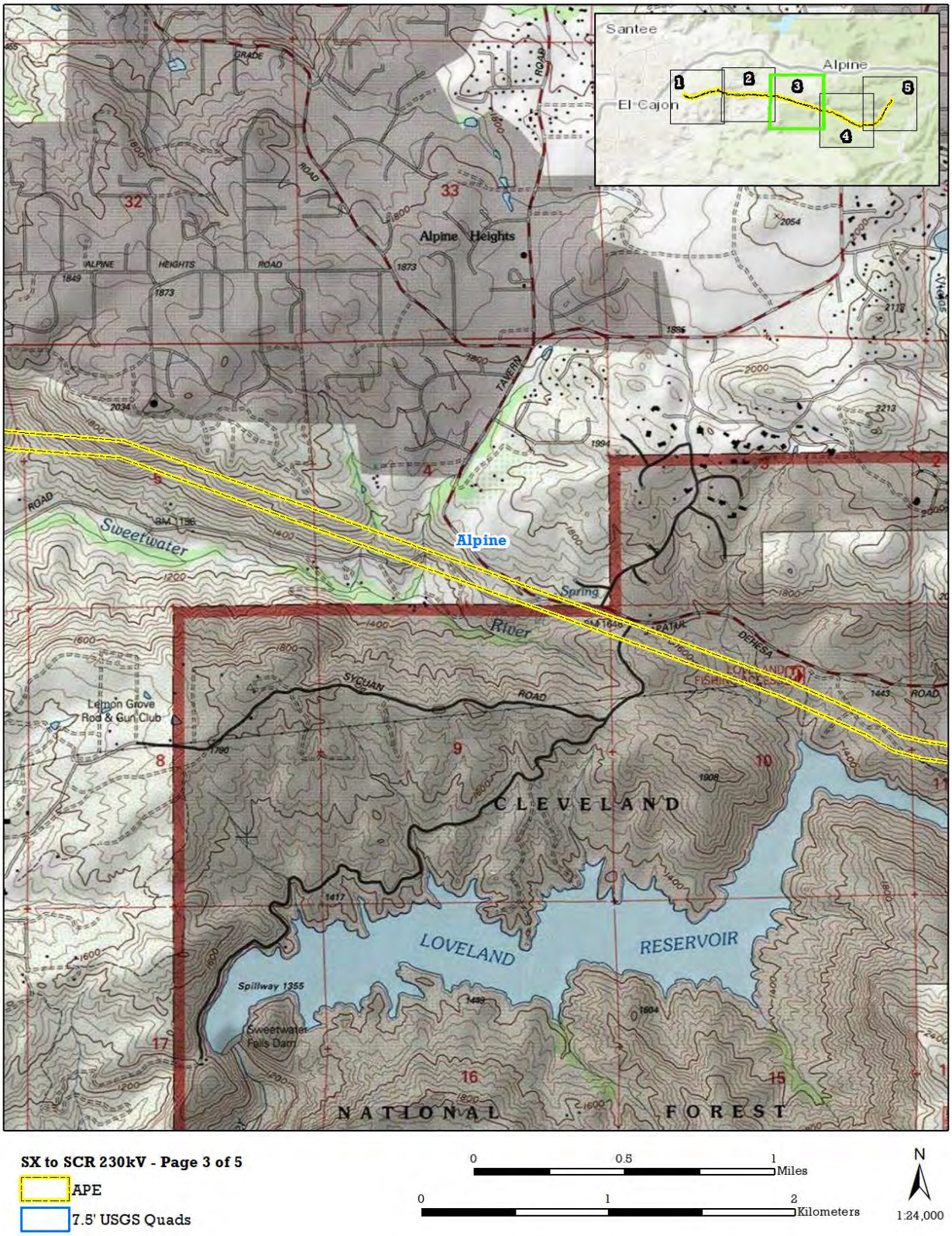

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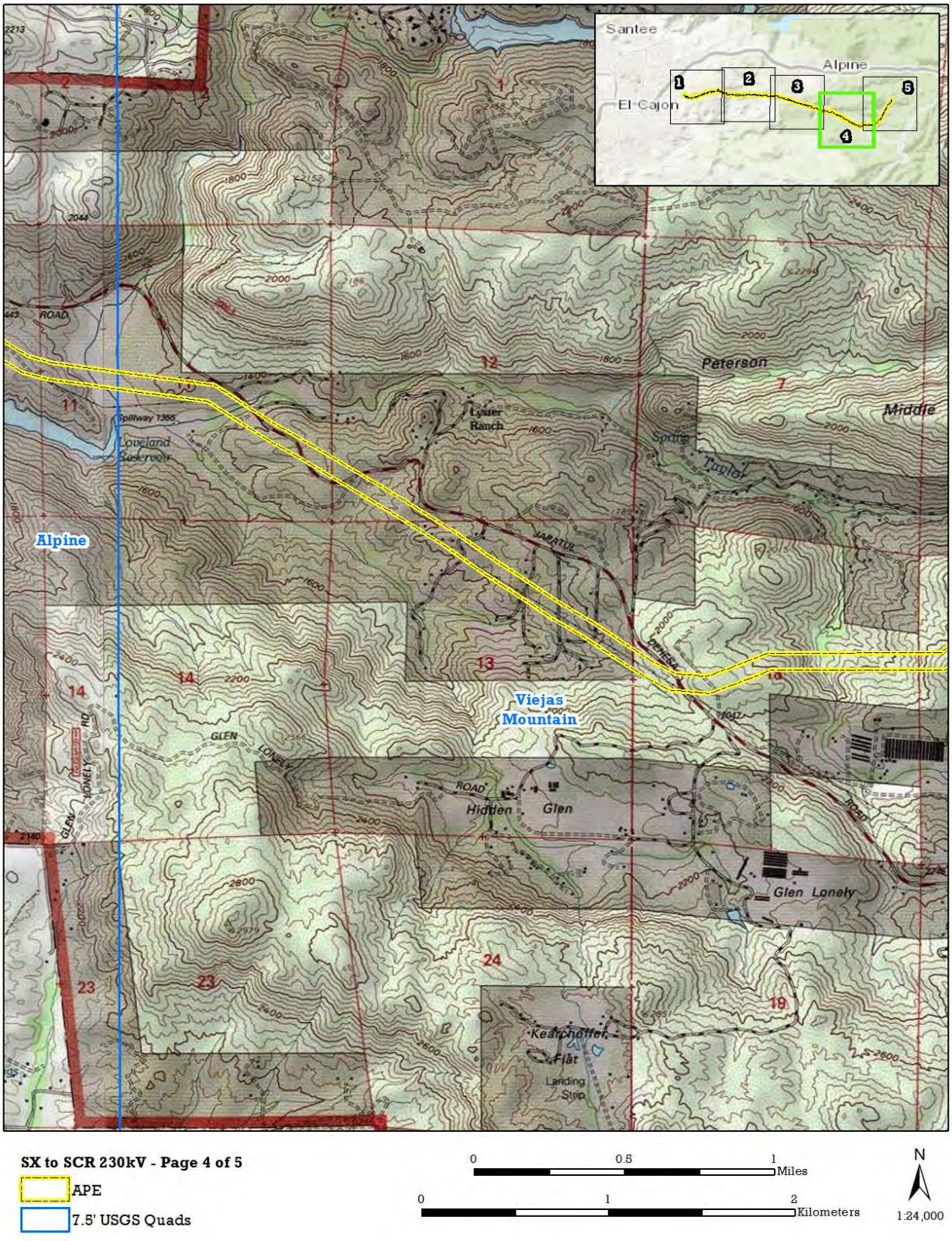

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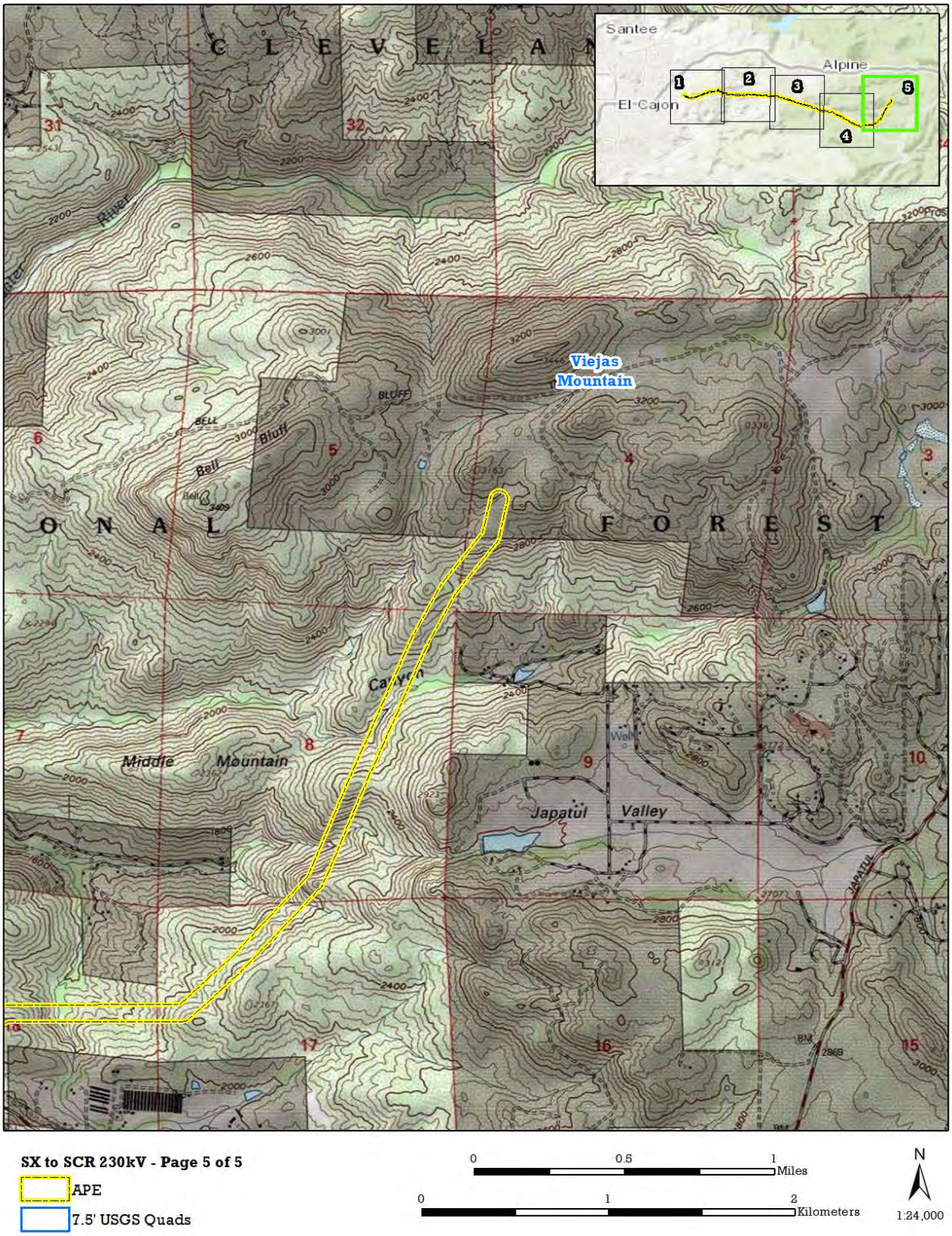

Figure 5. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project.
Page 5

Outlook

[EXTERNAL] Re: Information Request letters: SX-SCR Project and Bonsall Refueling Station Project

From Angela Santos <aelliottsantos7@aol.com>
Date Tue 3/25/2025 7:22 AM
To Terrence Luévano <tluevano@asmaffiliates.com>
Cc veronicasantos@manzanita-nsn.gov <veronicasantos@manzanita-nsn.gov>; AlexaMartinez@manzanita-nsn.gov <AlexaMartinez@manzanita-nsn.gov>

2 attachments (3 MB)
SX-SCR_Manzanita Band_Angela Elliott Santos.pdf; Bonsall Refueling_Manzanita Band_Angela Elliott Santos.pdf;

Caution: This email is from an EXTERNAL sender. Be safe and verify links and/or attachments prior to opening.

Good morning,
Thank you for including us. I have added our THPO Veronica Santos and our Executive Assistant Alexa Martinez to this email. Please add them to any future emails. We would like to participate and look forward to working with you.

Respectfully,

Angela Elliott-Santos, Tribal Chairwoman

Manzanita Band of the Kumeyaay Nation
PO Box 1302
Boulevard, CA 91905

619-766-4930 office
619-766-4957 fax
619-733-5484 cell

> On Mar 24, 2025, at 3:45 PM, Terrence Luévano <tluevano@asmaffiliates.com> wrote:
>
> Dear Chairwoman Elliott Santos,
>
> Apologies, I input your email address wrong. See email chain below, along with the attached information request letters.
>
> Sincerely,
> Terrence Luévano
>
> ---
>
> **From:** Terrence Luévano
> **Sent:** Monday, March 24, 2025 3:44 PM
> **To:** aelliottsantos@aol.com; veronicasantos@manzanita-nsn.gov
> **Subject:** Information Request letters: SX-SCR Project and Bonsall Refueling Station Project
>
> Dear Chairwoman Angela Elliott Santos and Ms. Veronica Santos,

My name is Terrence Luévano, and I am a senior archaeologist with ASM Affiliates. I am sending two information request letters to you today attached to this email for upcoming ASM survey projects: The SDG&E Sycamore to Suncrest (SX-SCR) Project and the Bonsall Refueling Station Project. The NAHC identified Chairwoman Elliott Santos as a Tribal Contact for both projects and did not provide an email; my boss Brian Williams was kind enough to provide me with email addresses and recommended that Veronica be notified as well.

The SDG&E SX-SCR Project proposes a 16-mile powerline running roughly through the communities of La Crest, Harbison Canyon, Alpine, and Japatul.

The Bonsall Refueling Station Project, located east of Bonsall near I-15, proposes the development of a convenience store, gasoline and diesel pumps that will transition ultimately into a hydrogen refueling station and EV recharging stations. (Google pin to general area: https://maps.app.goo.gl/MZqS3LLEiQQqaiUm7)

ASM invites the Tribe's response regarding the project as detailed in the information request letters. Please note that neither project has had surveys start as of this email, despite an error in the Bonsall request letter.

Independent of these NAHC information request letters, I'd like to confirm if it is acceptable to send future request letters to both of you at your respective email addresses? Or would you prefer to have the request letters continue to be sent solely to the Chairwoman?

Thank you for your time and consideration.

Sincerely,
Terrence Luévano

Terrence Luévano M.A., RPA | Senior Archaeologist
7710 Balboa Ave., Suite 303 San Diego, CA | O: (619) 738-4030 | M: (619) 851-4036
tluevano@asmaffiliates.com | https://asmaffiliates.com

March 19, 2025

Chairperson Curtis LaChusa
Mesa Grande Band of Diegueno Mission Indians
P.O Box 270
Santa Ysabel, California 92070

RE: Information Request Letter for the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County, California

Dear Chairperson LaChusa,

ASM Affiliates, Inc. (ASM) is conducting a cultural resource study for the SDG&E Sycamore Canyon 230 Kilovolt (kV) Loop-In to Suncrest Project Project (Project) which will run through the communities of La Cresta, Harbison Canyon, Alpine, and Japatul, San Diego County, California. The Project is shown on the USGS Alpine, El Cajon, and Viejas, California 7.5-minute quadrangles within the following sections (Figures 1-5):

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This study is being undertaken in accordance with the California Environmental Quality Act (CEQA) requirements and National Environmental Protection Act (NEPA) Requirements. The California Public Utilities Commission (CPUC) is the lead CEQA agency for the Project while the United States Forest Service (USFS) is the lead NEPA agency for the Project. The Project will involve the installation of a new double-circuit 230 kV transmission line, as well as modifications to two existing SDG&E substations (i.e., the Suncrest Substation and Sycamore Canyon Substation). Specifically, the project will involve:

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Respectfully Yours,

Terrence Luévano, M.A, RPA
Senior Archaeologist
ASM Affiliates, Inc.
tluevano@asmaffiliates.com

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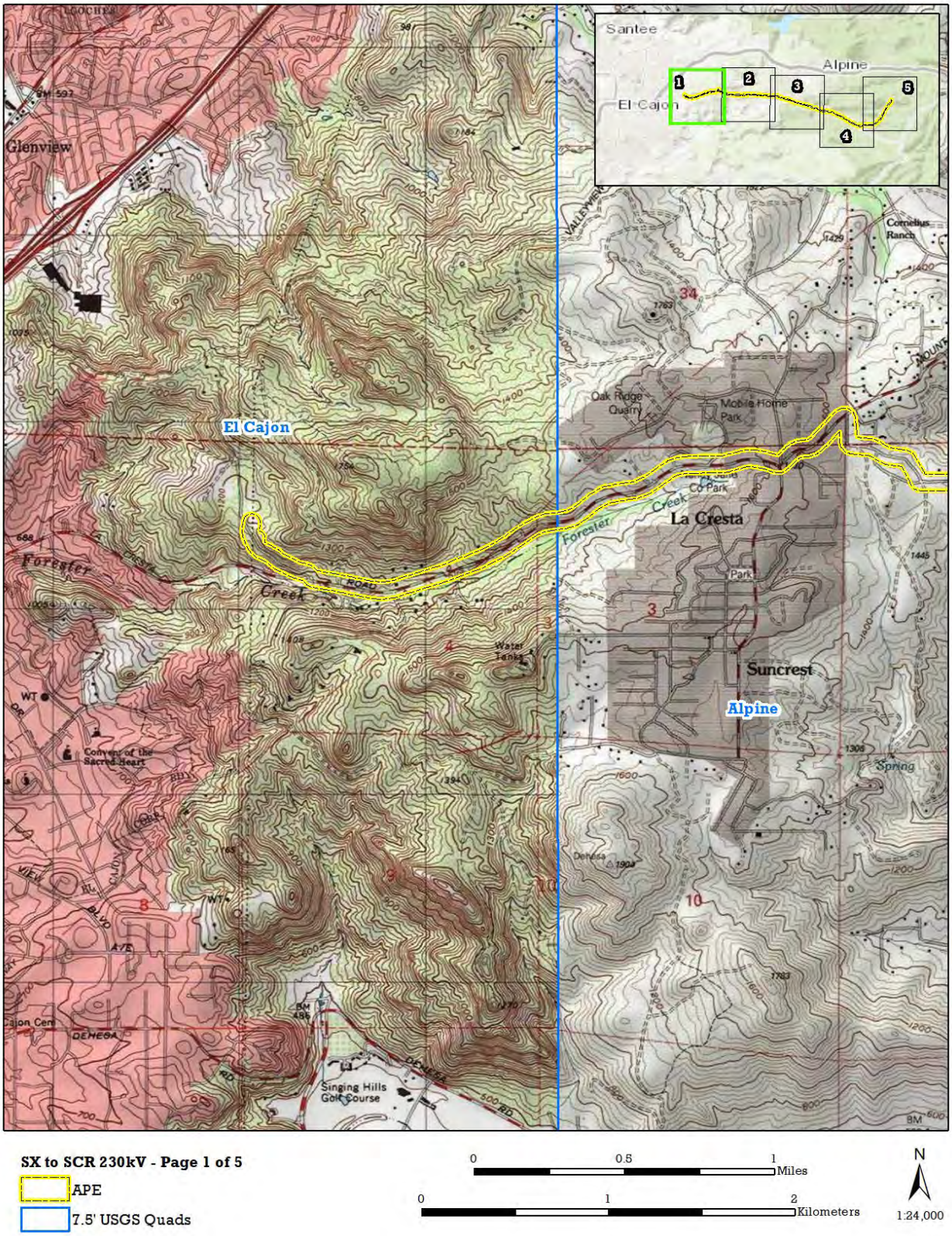

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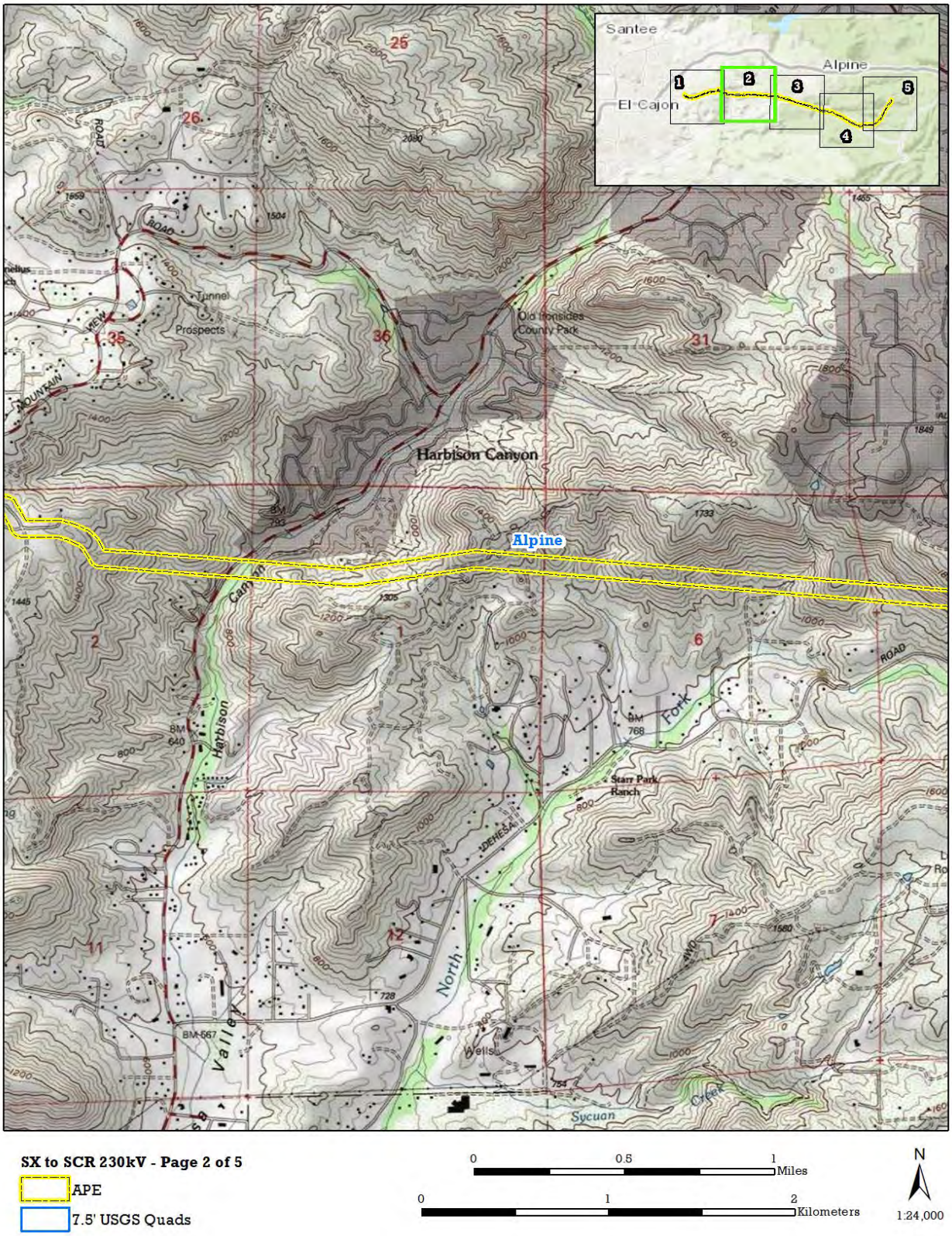

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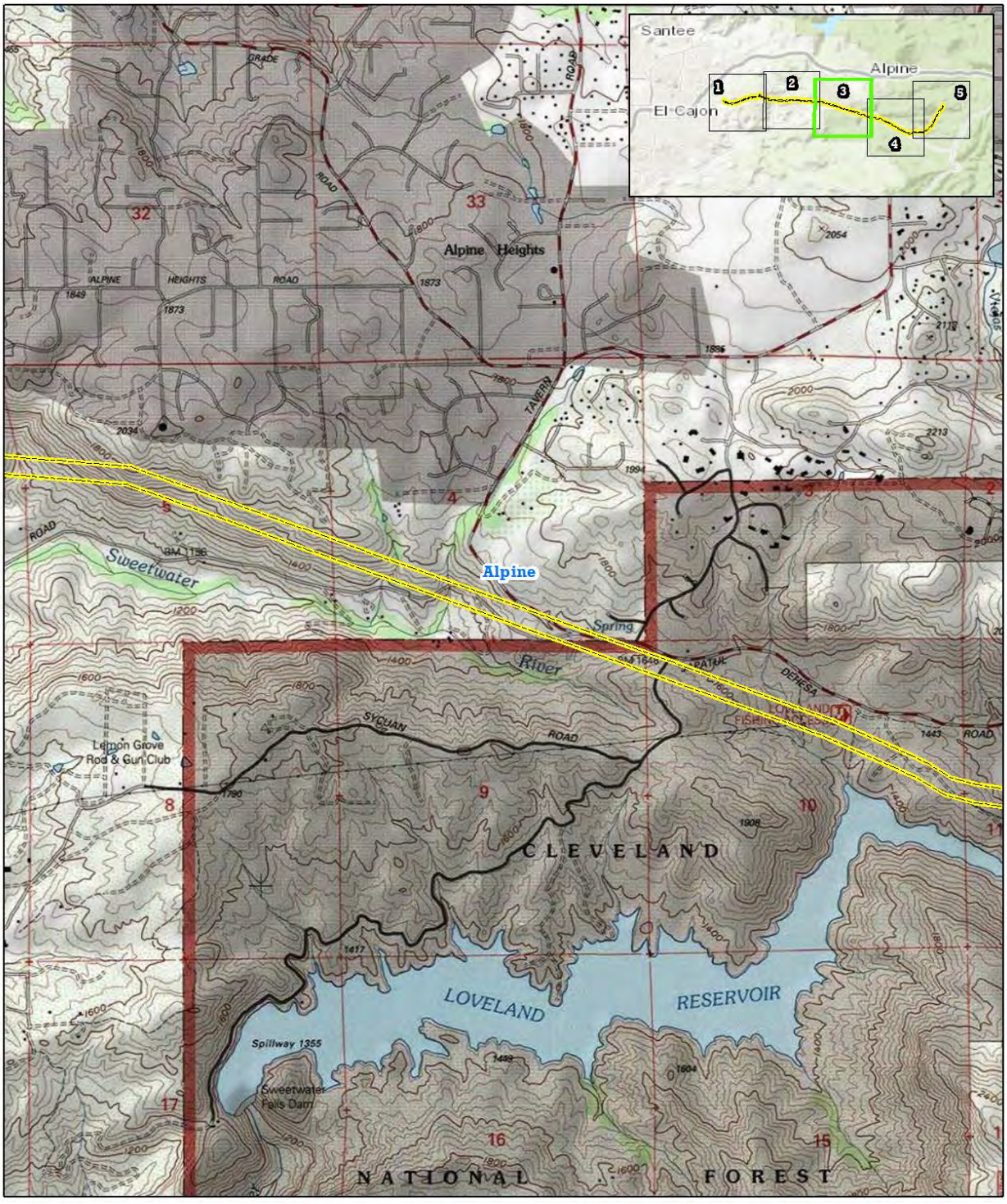

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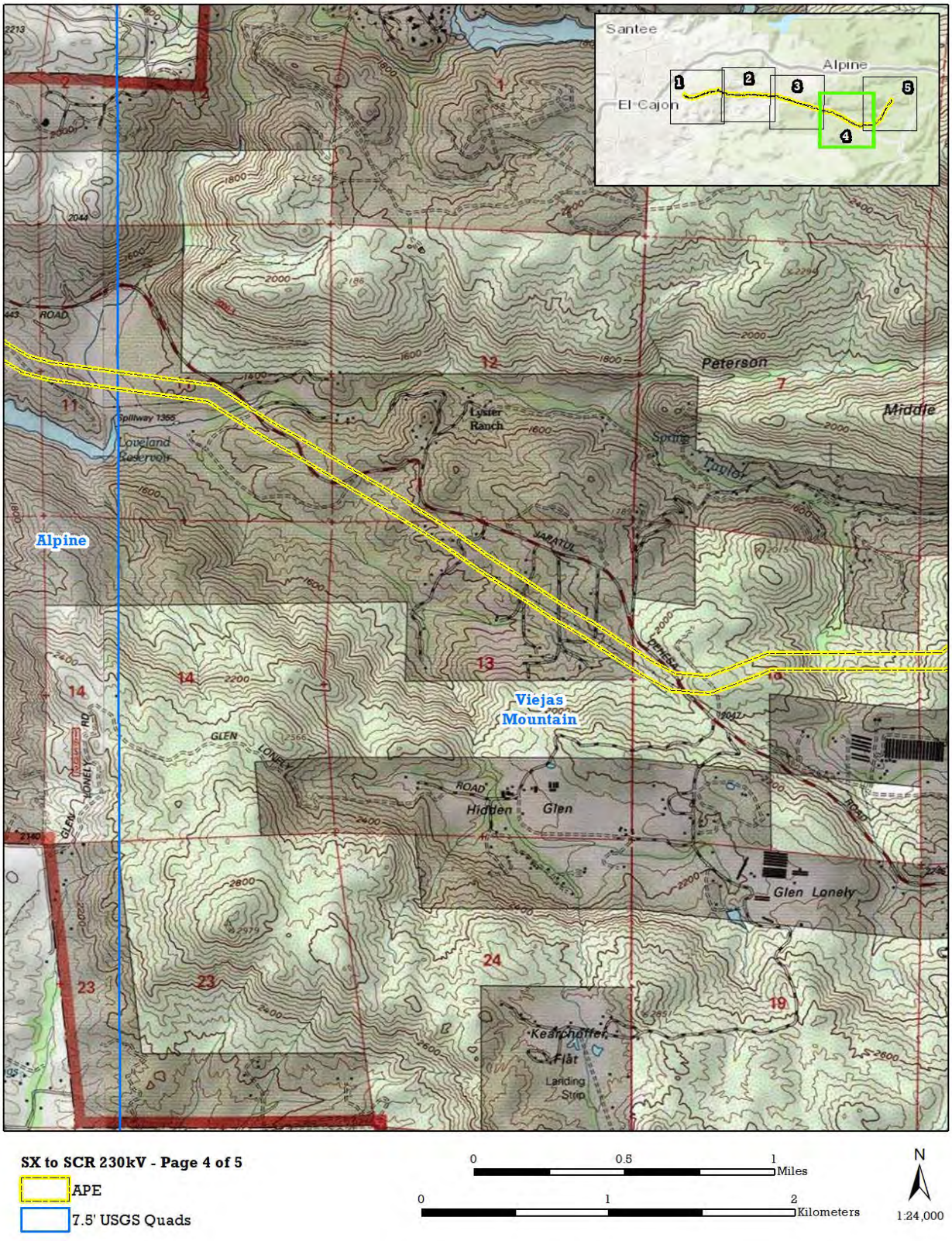

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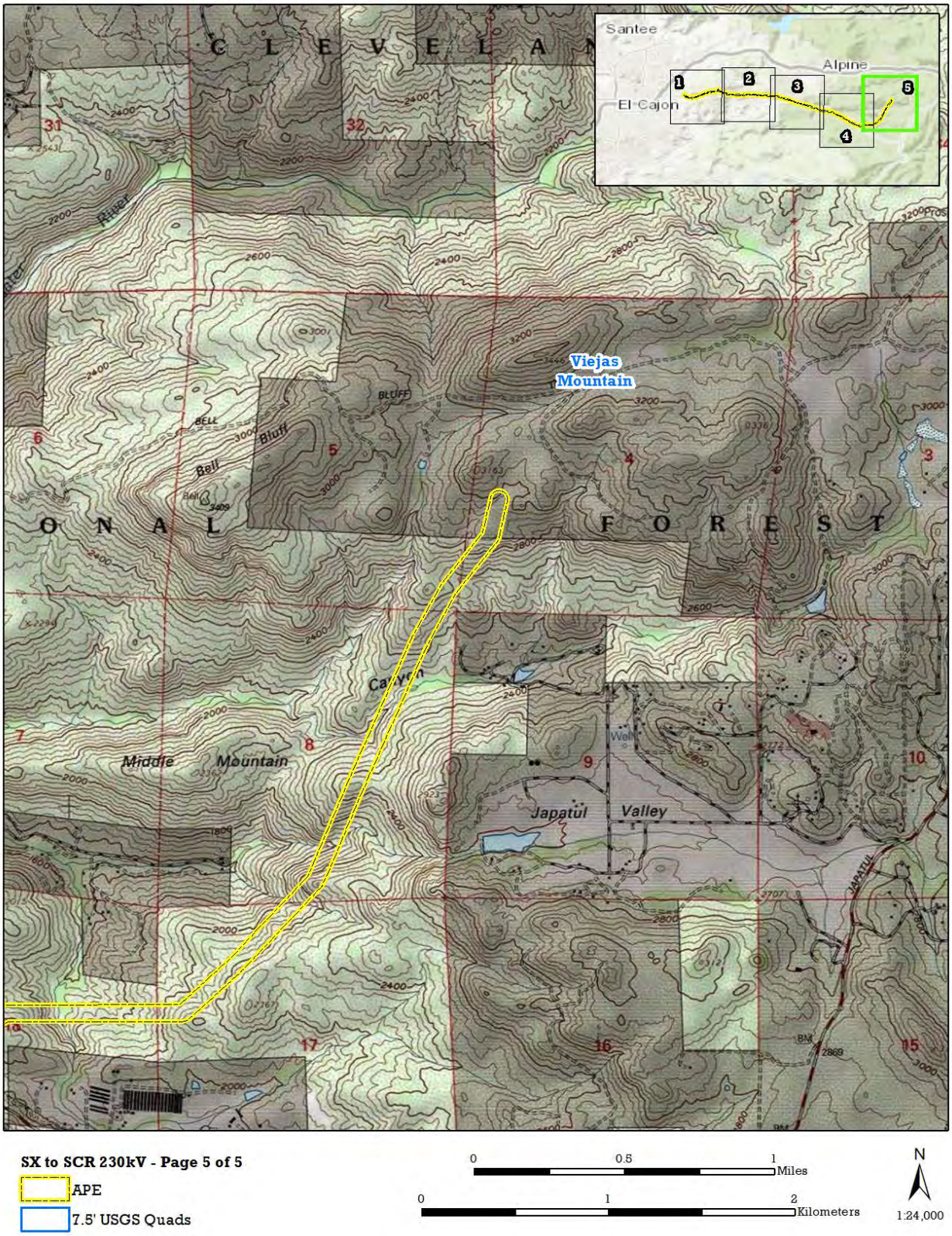

Figure 5. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project.
Page 5

March 19, 2025

Ms. Desiree Whitman
San Pasqual Band of Diegueno Mission Indians
P.O. Box 365
Valley Center, California 92082

RE: Information Request Letter for the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County, California

Dear Ms. Whitman,

ASM Affiliates, Inc. (ASM) is conducting a cultural resource study for the SDG&E Sycamore Canyon 230 Kilovolt (kV) Loop-In to Suncrest Project Project (Project) which will run through the communities of La Cresta, Harbison Canyon, Alpine, and Japatul, San Diego County, California. The Project is shown on the USGS Alpine, El Cajon, and Viejas, California 7.5-minute quadrangles within the following sections (Figures 1-5):

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Senior Archaeologist
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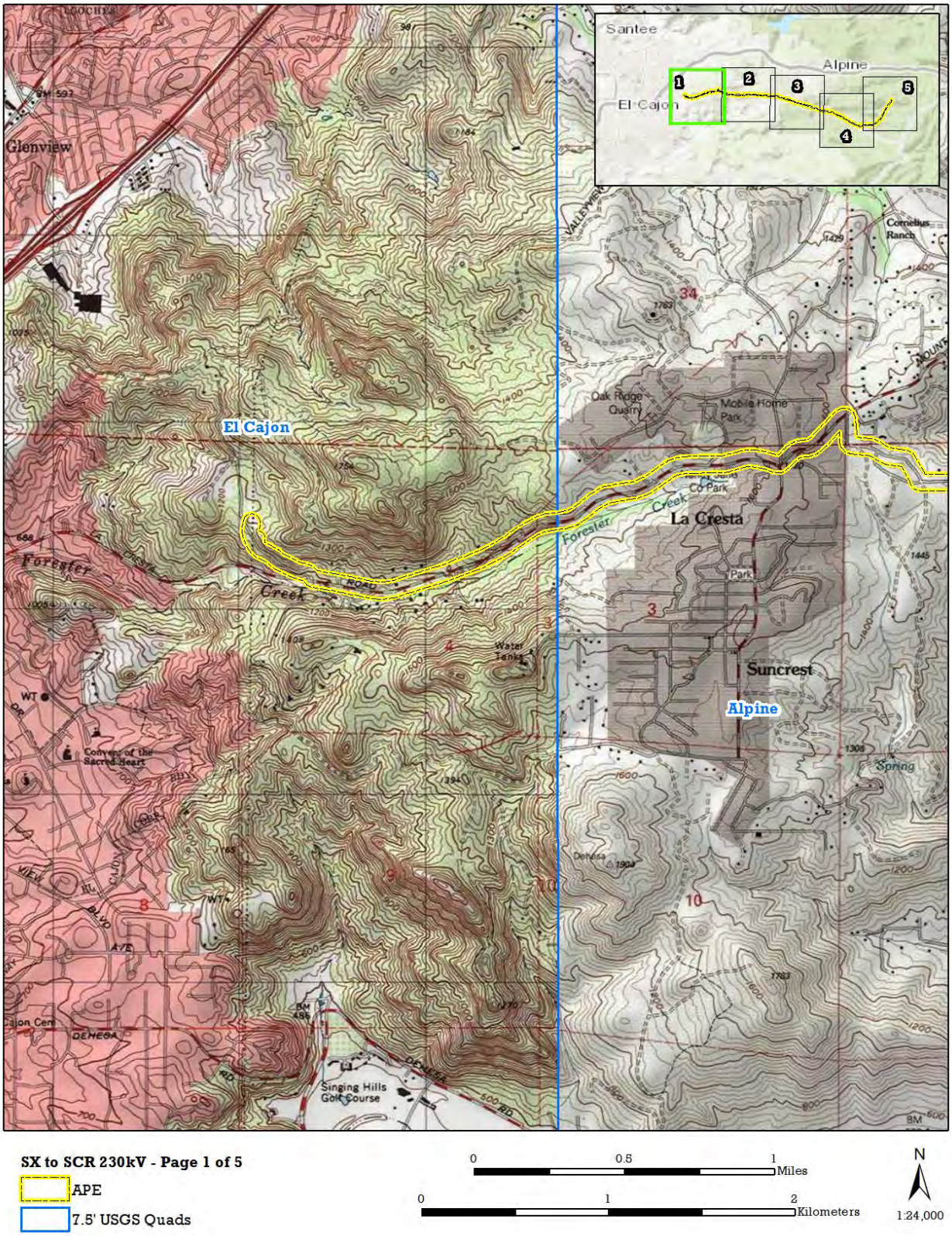

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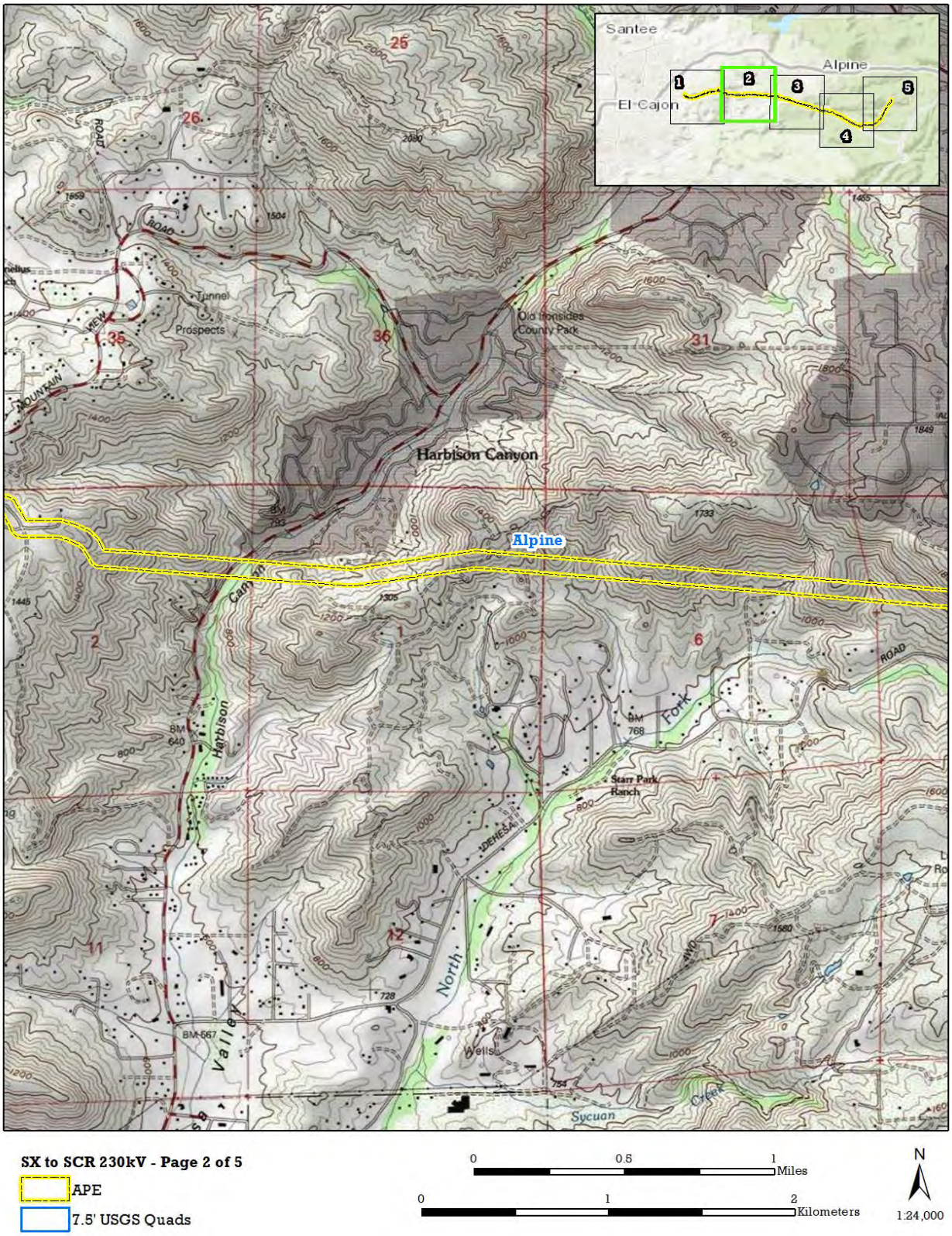

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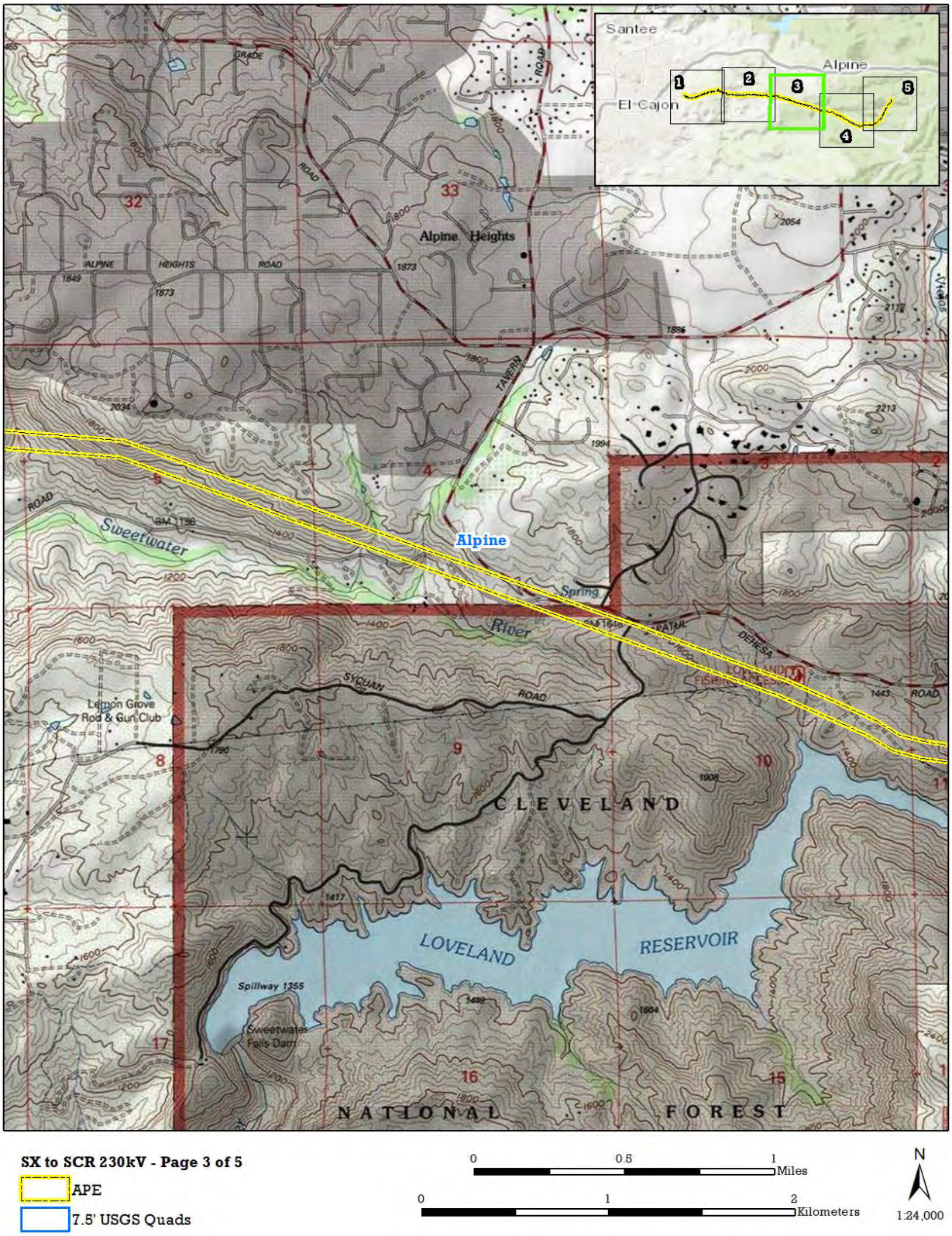

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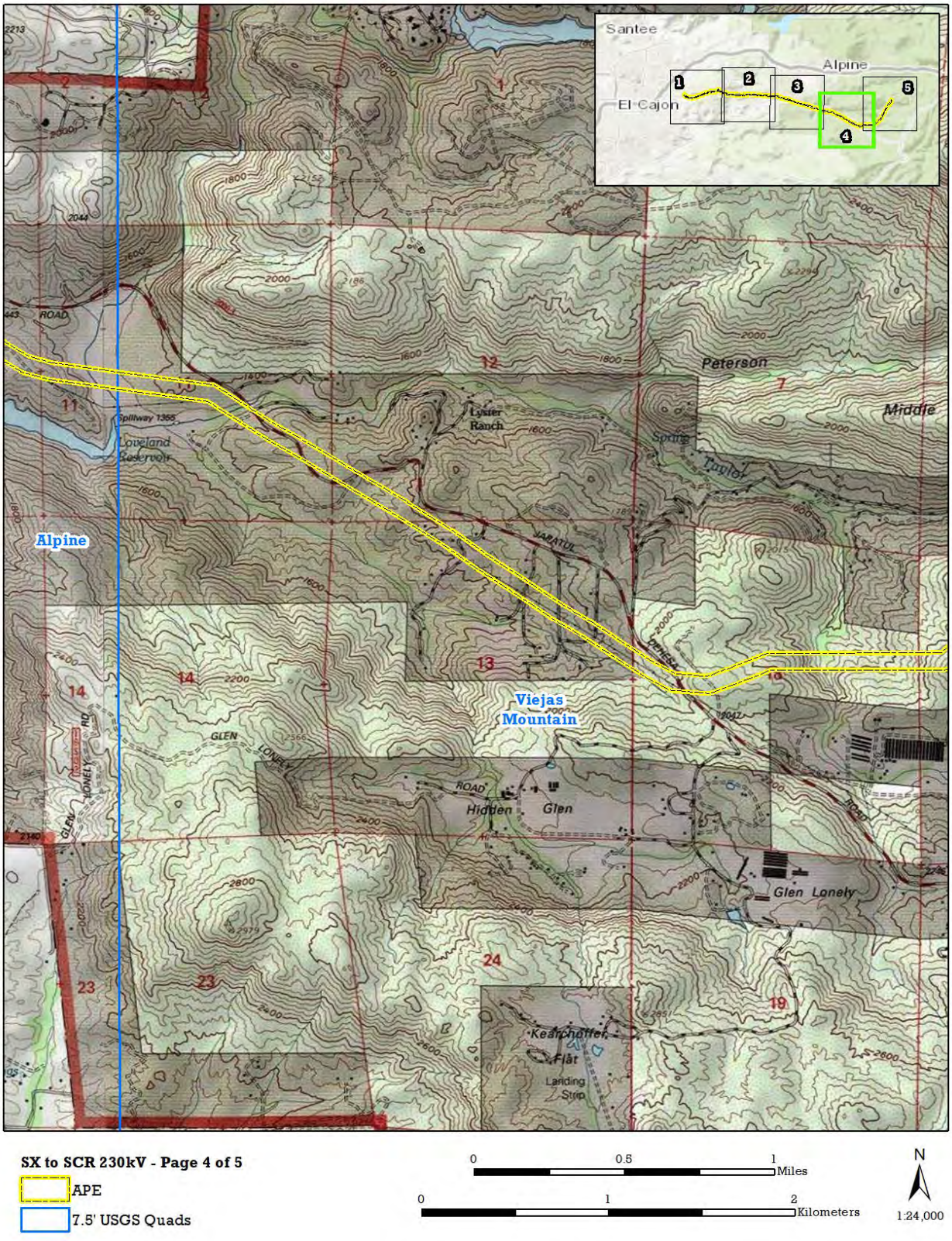

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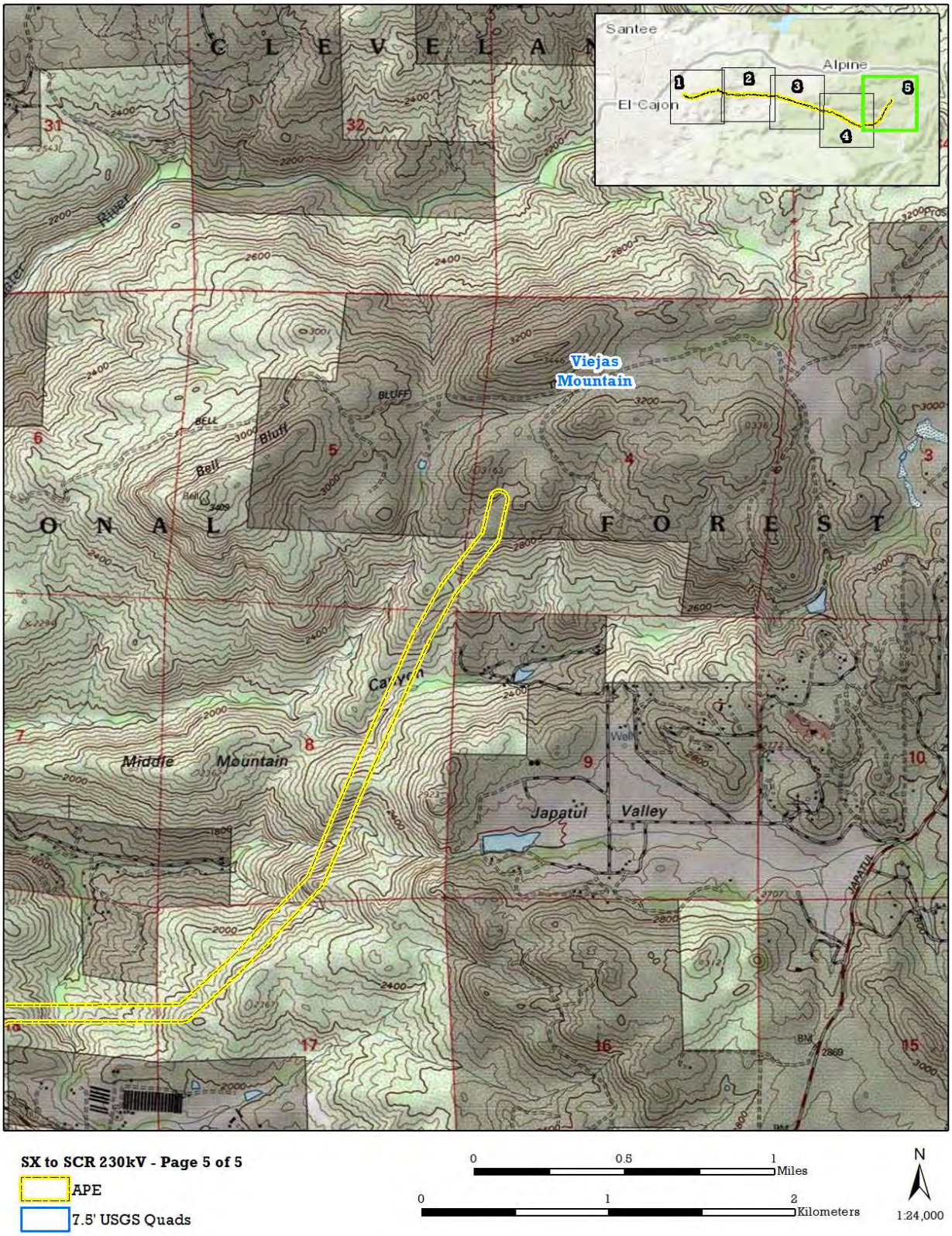

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Page 5

March 19, 2025

Ms. Bernice Paipa
Sycuan Band of the Kumeyaay Nation
Sycuan Cultural Center: 910 Willow Glen Drive
El Cajon, California 92019

RE: Information Request Letter for the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County, California

Dear Ms. Paipa,

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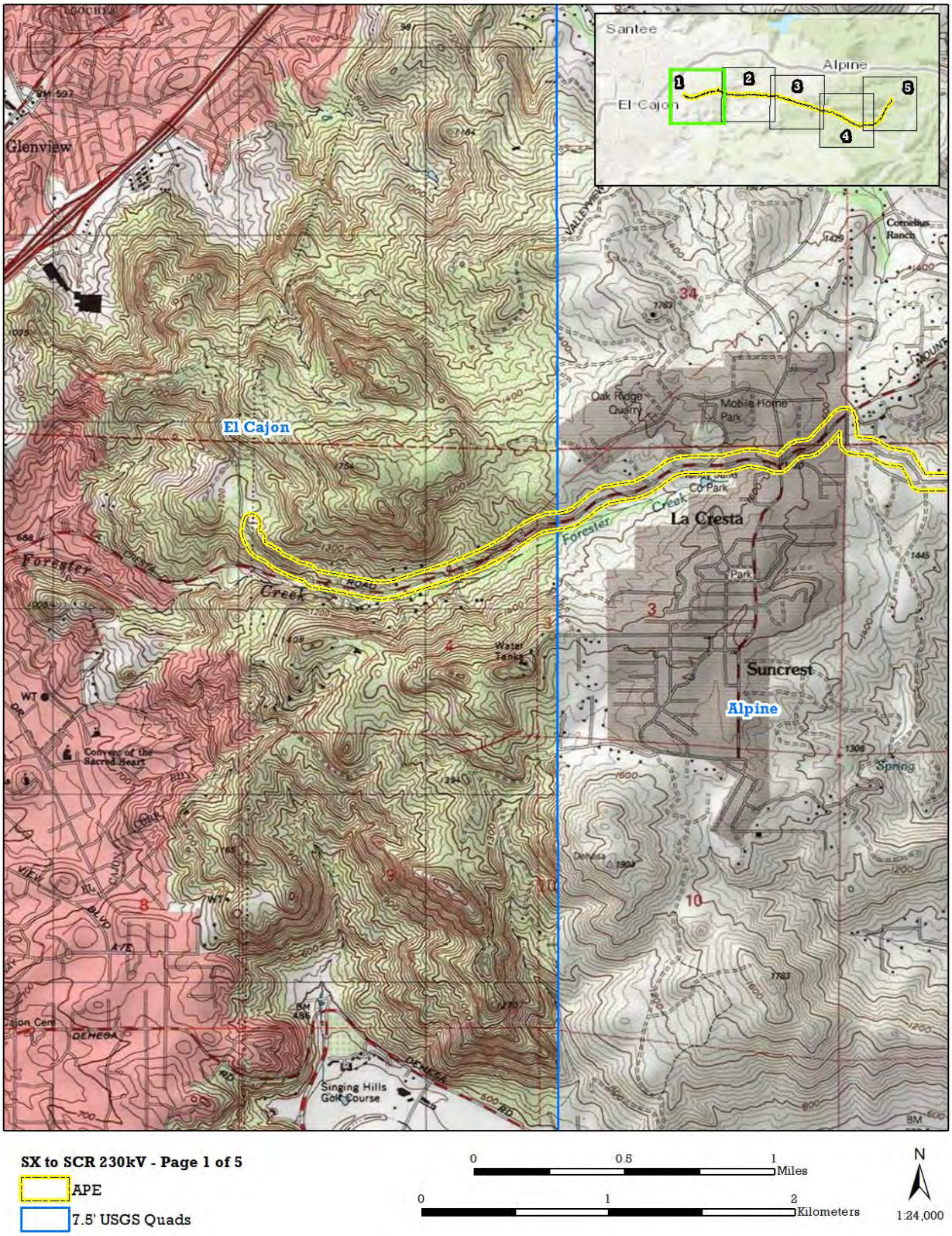

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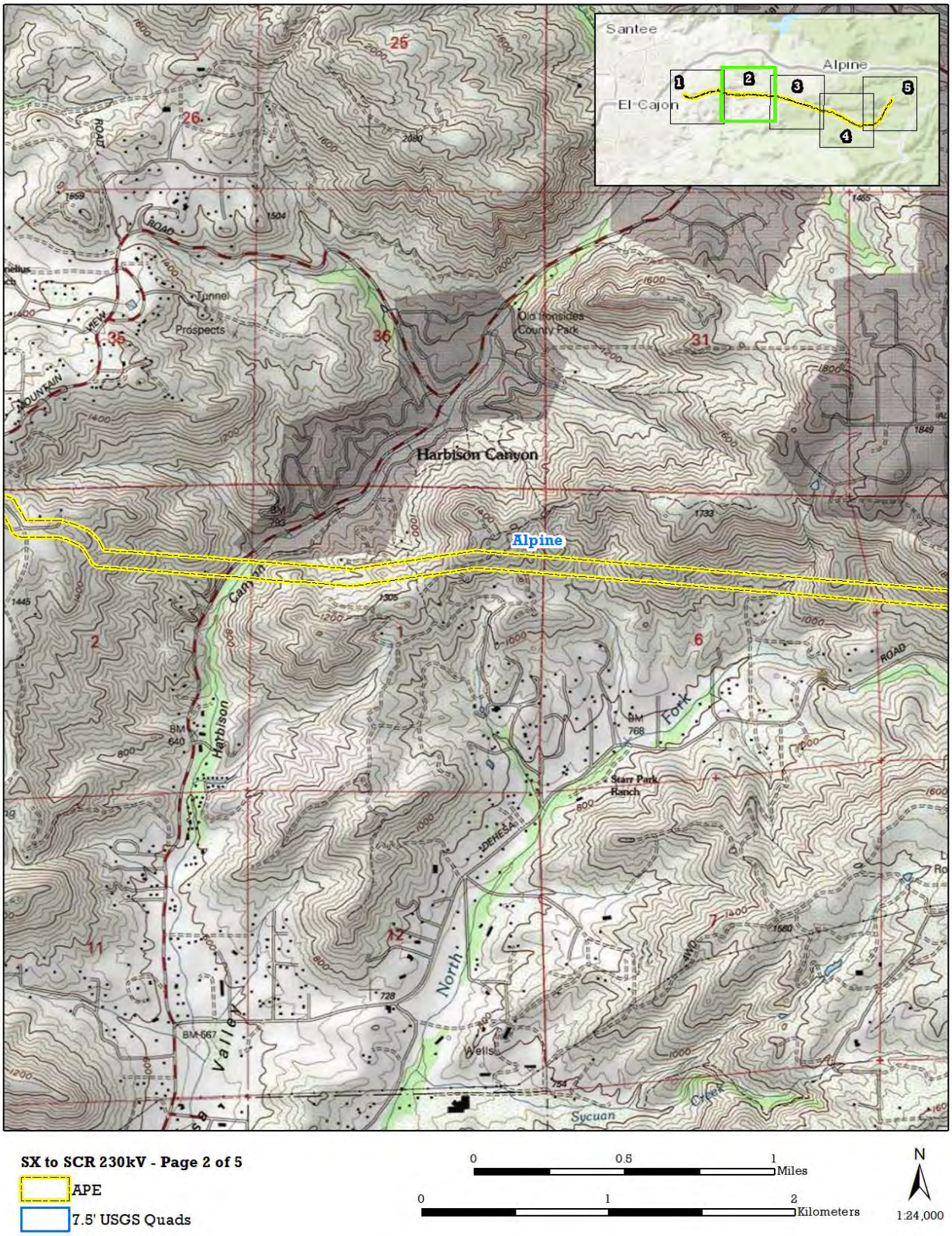

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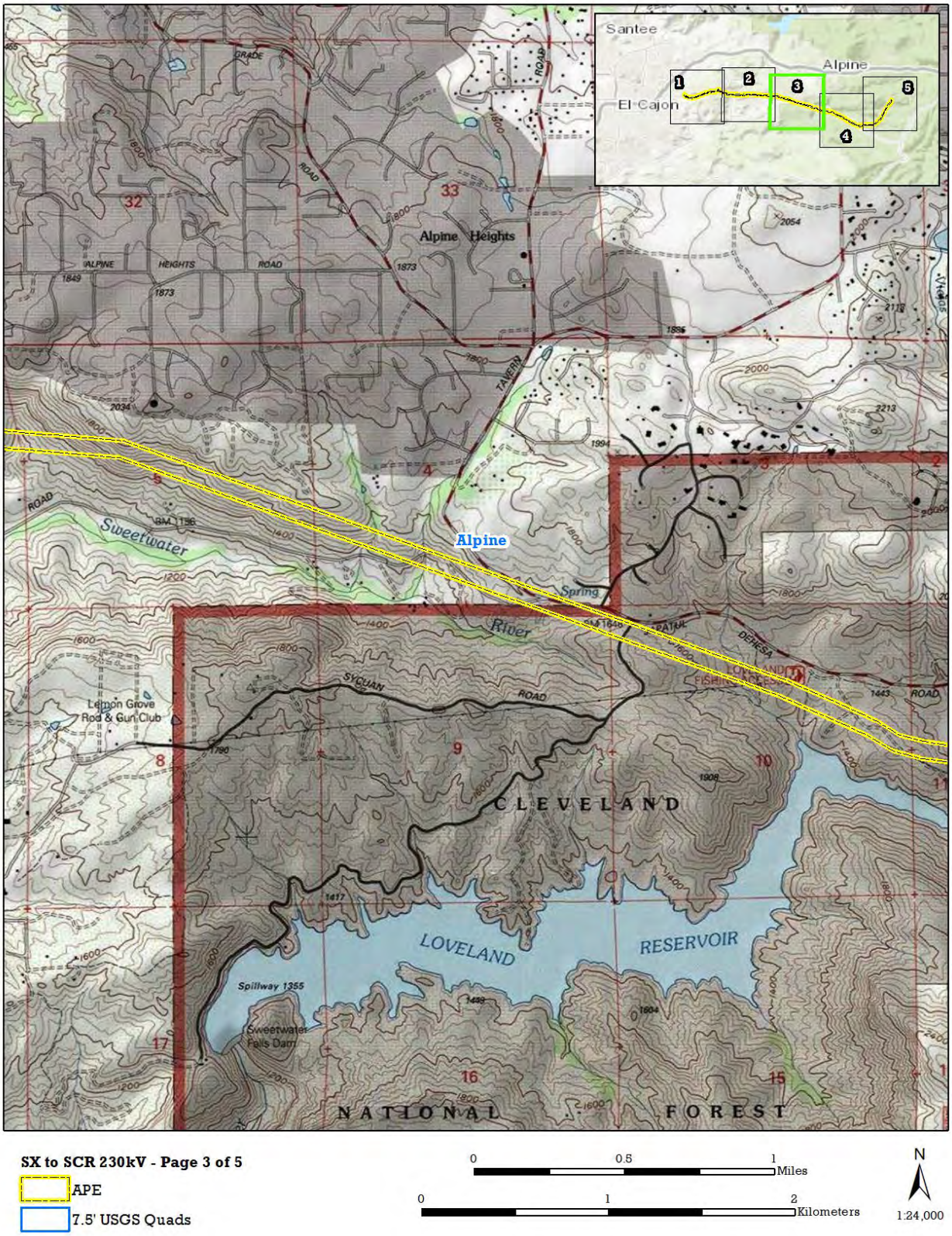

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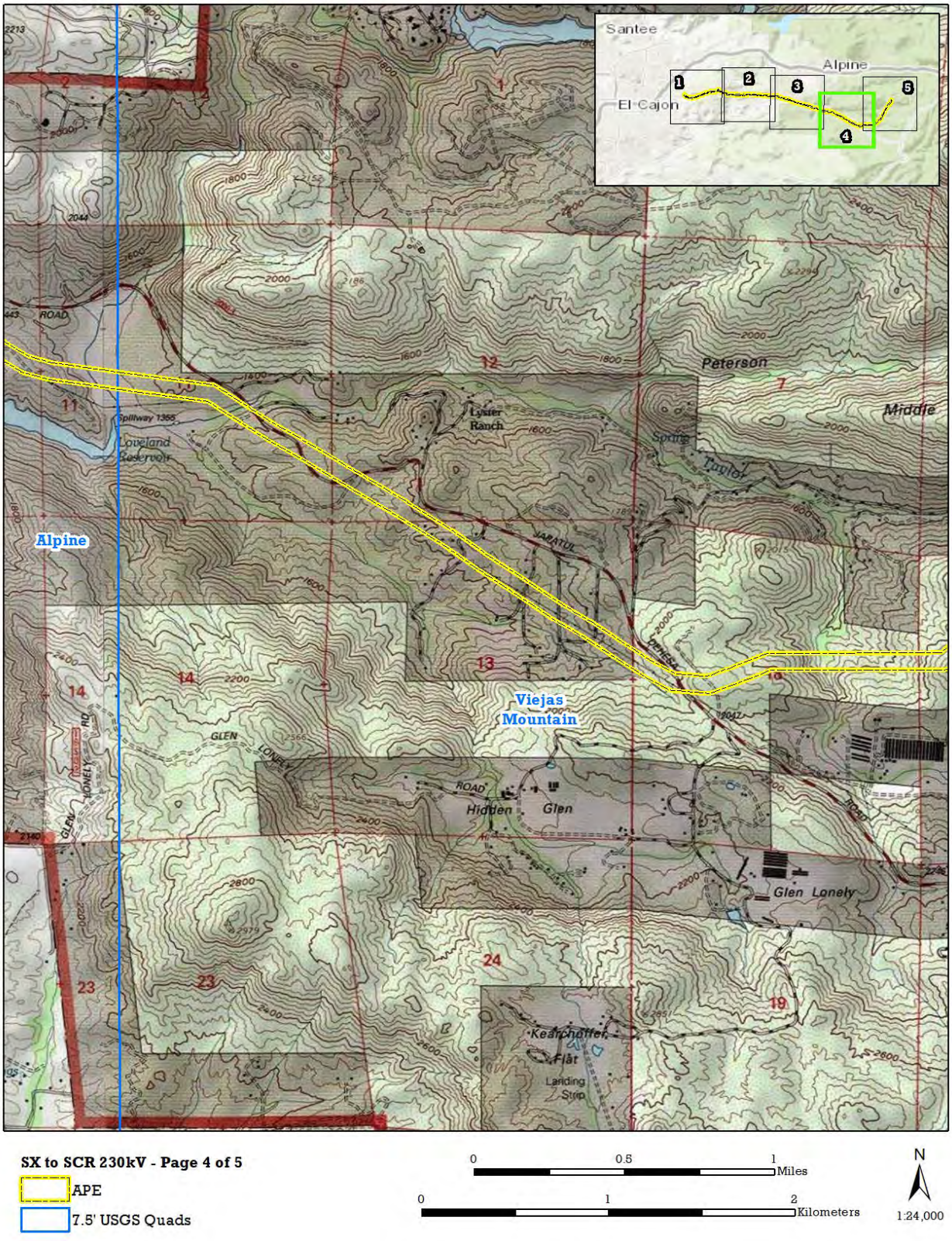

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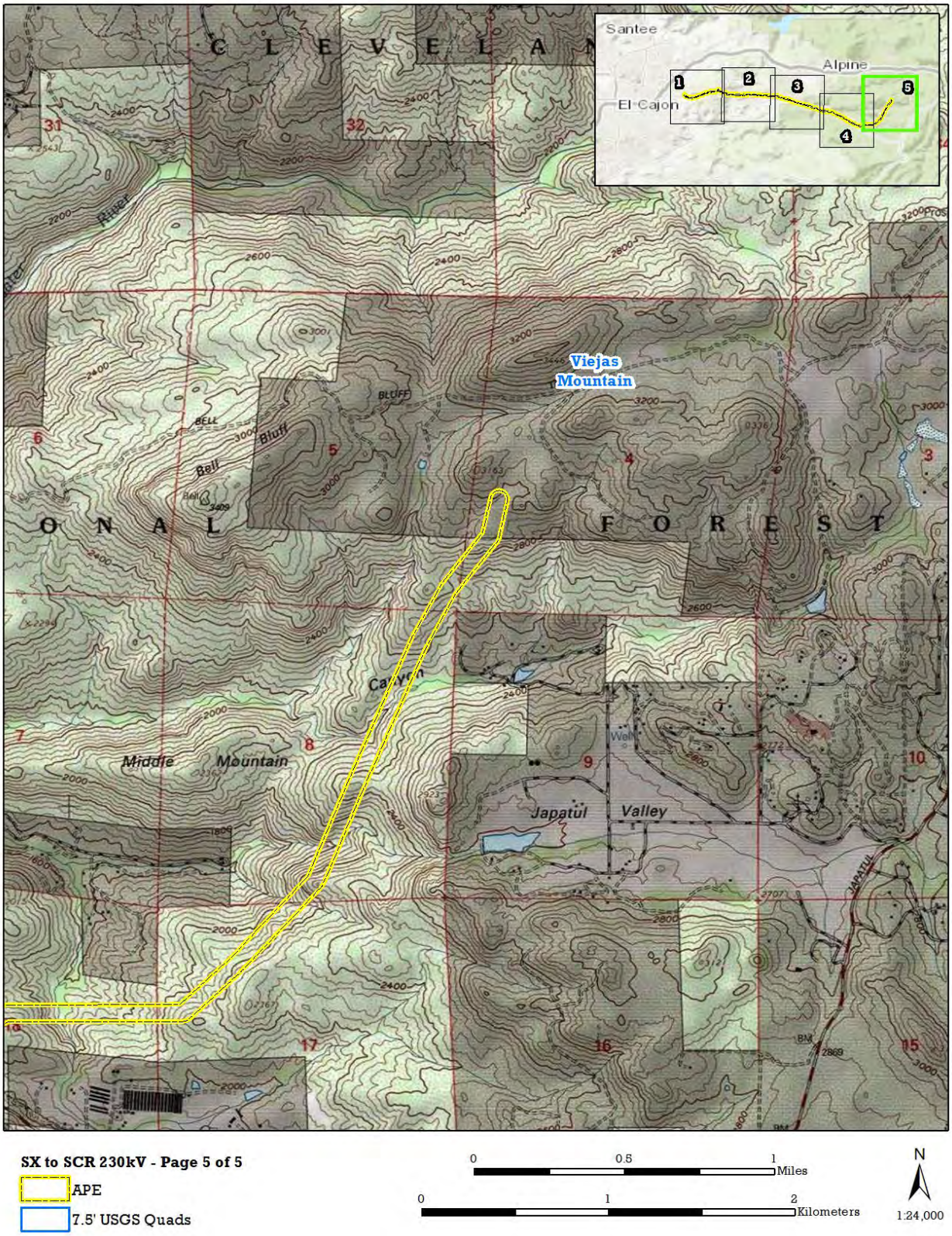

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March 19, 2025

Chairman Cody Martinez
Sycuan Band of the Kumeyaay Nation
Sycuan Tribal Office: 1 Kwaaypaay Court
El Cajon, California 92019

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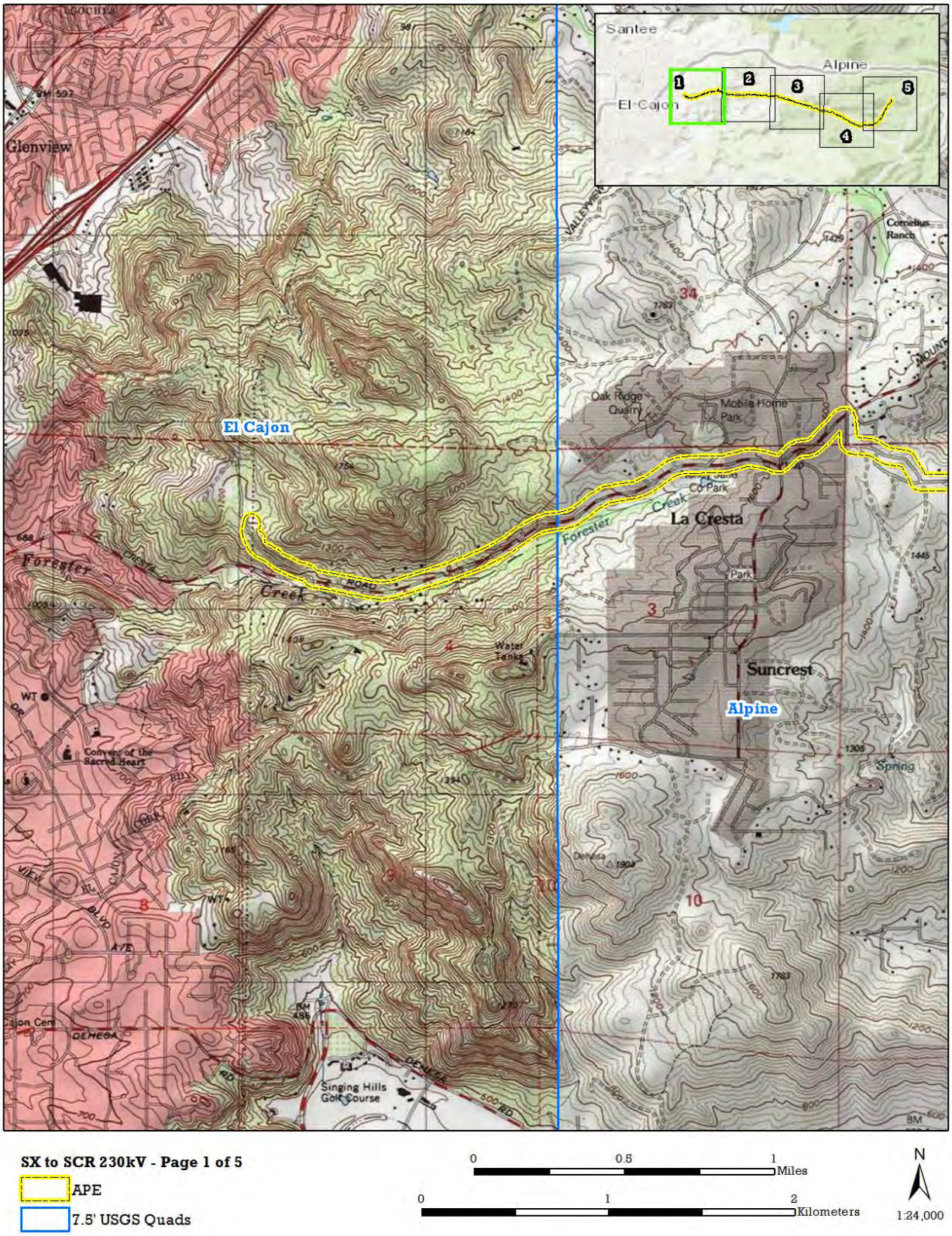

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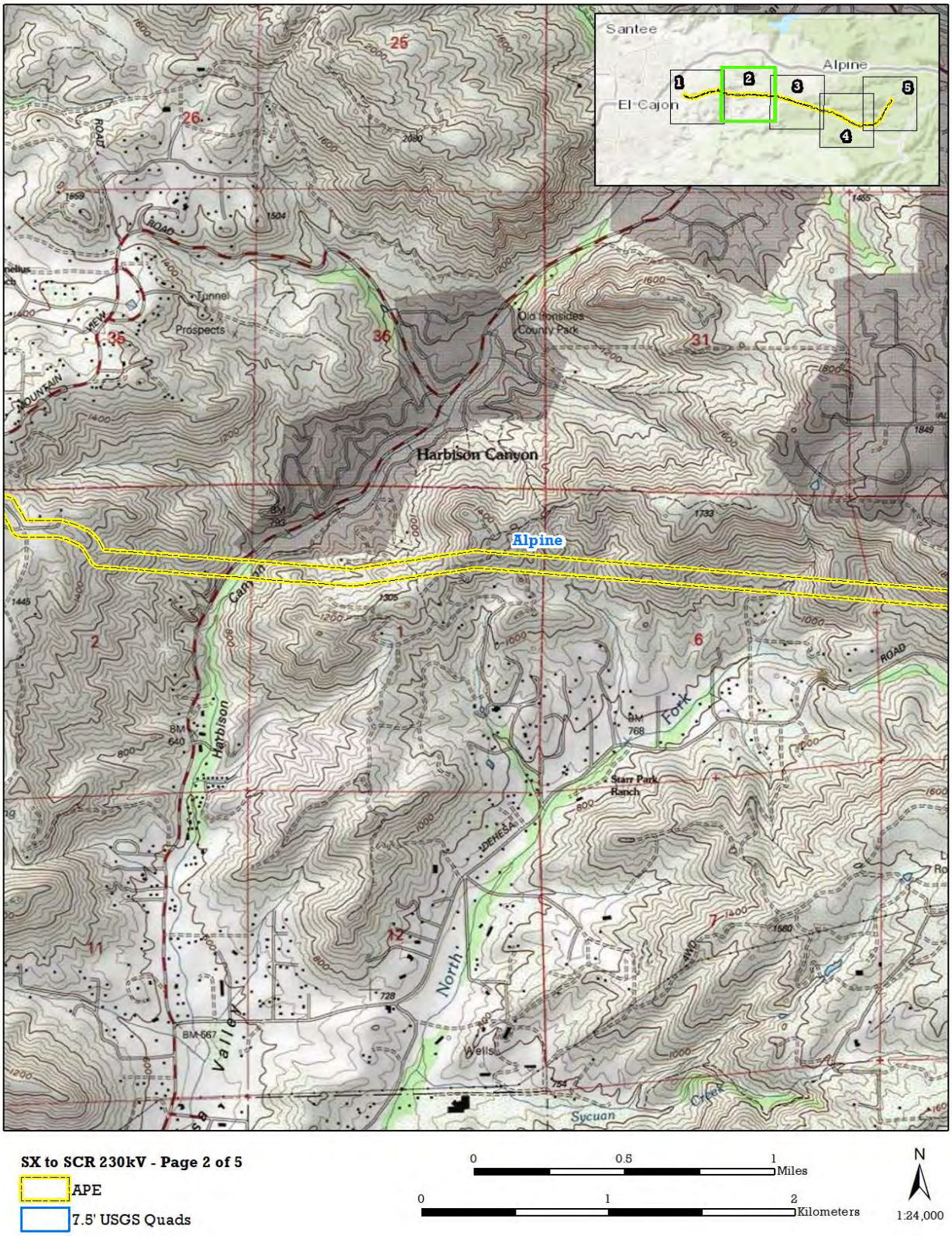

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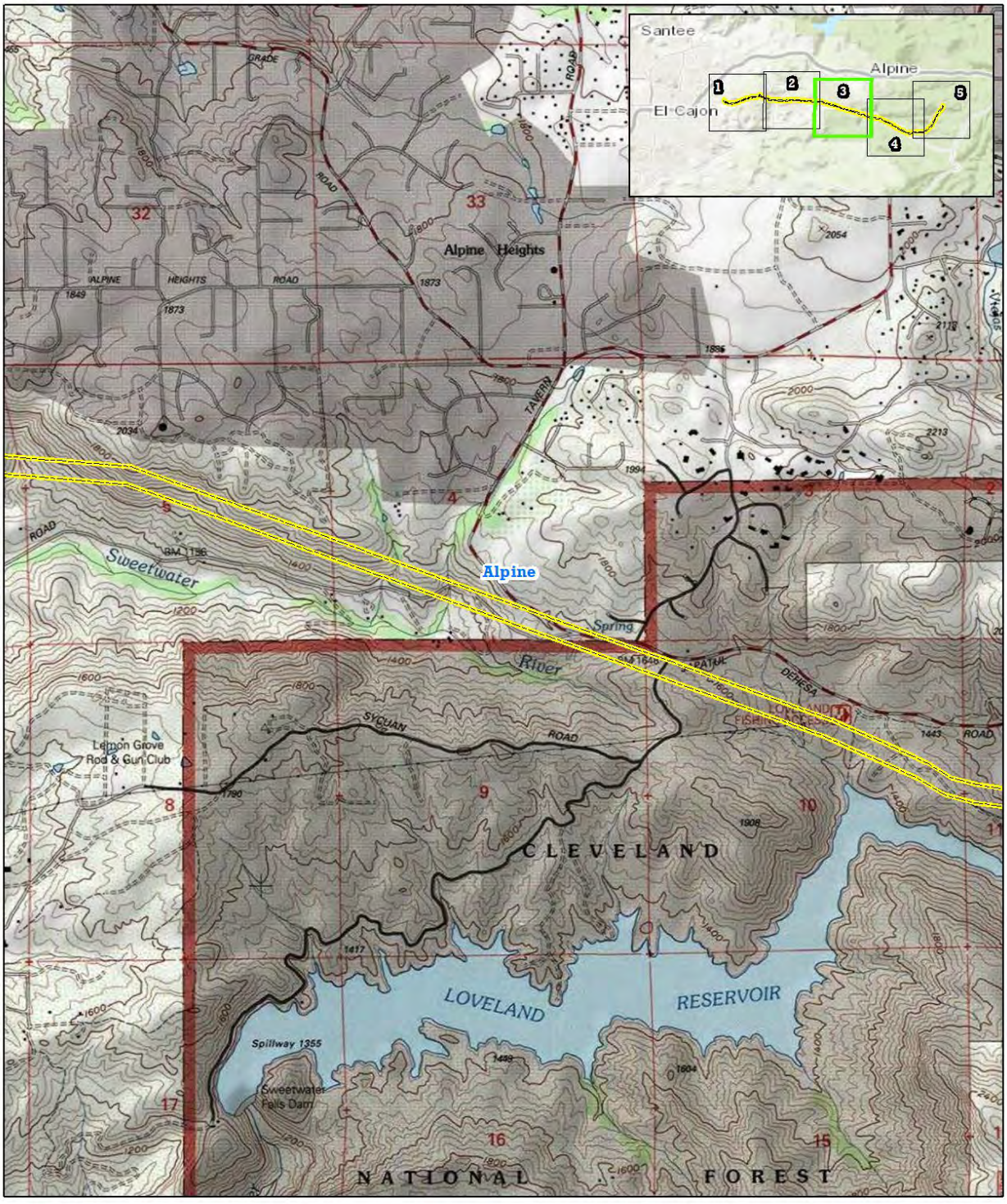

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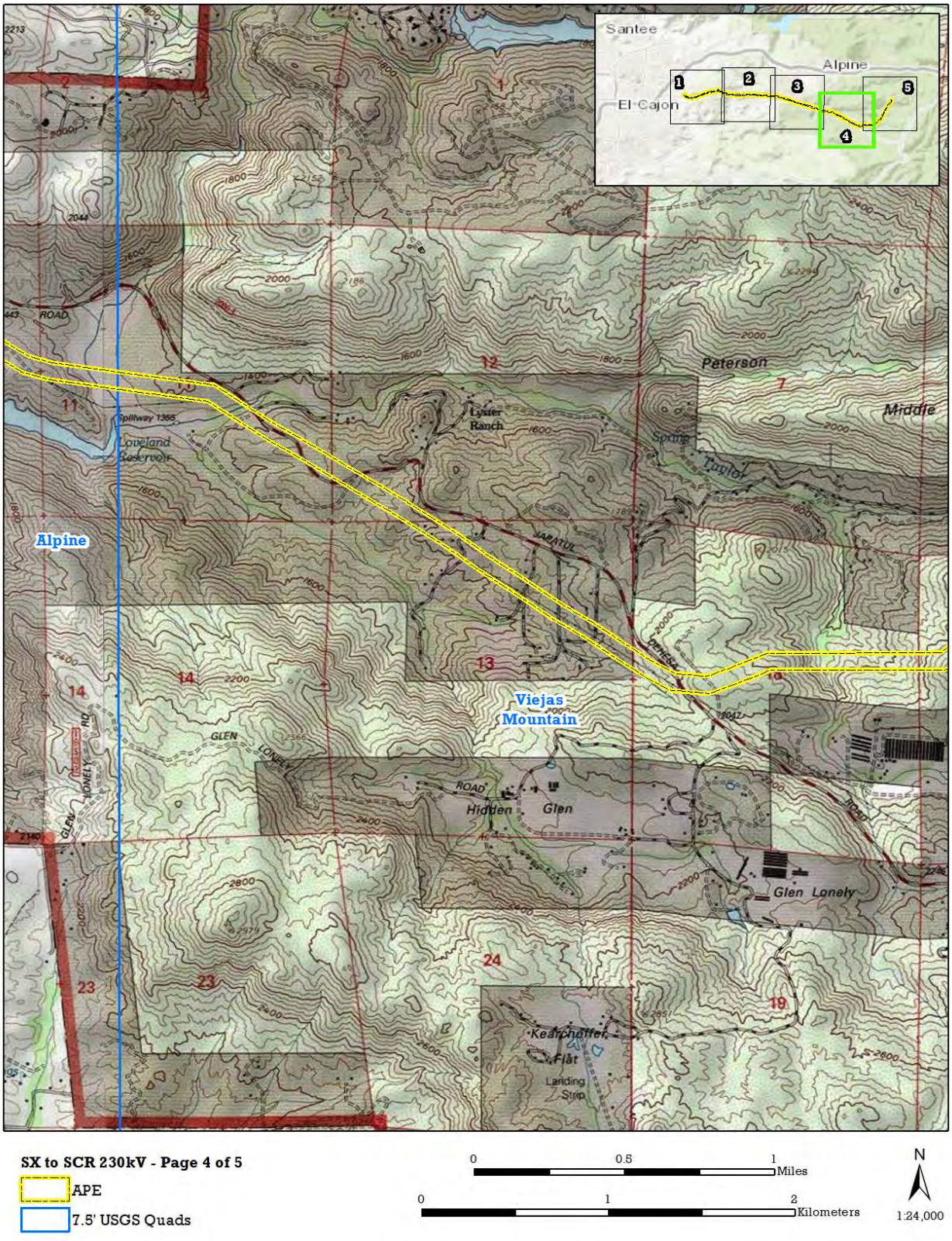

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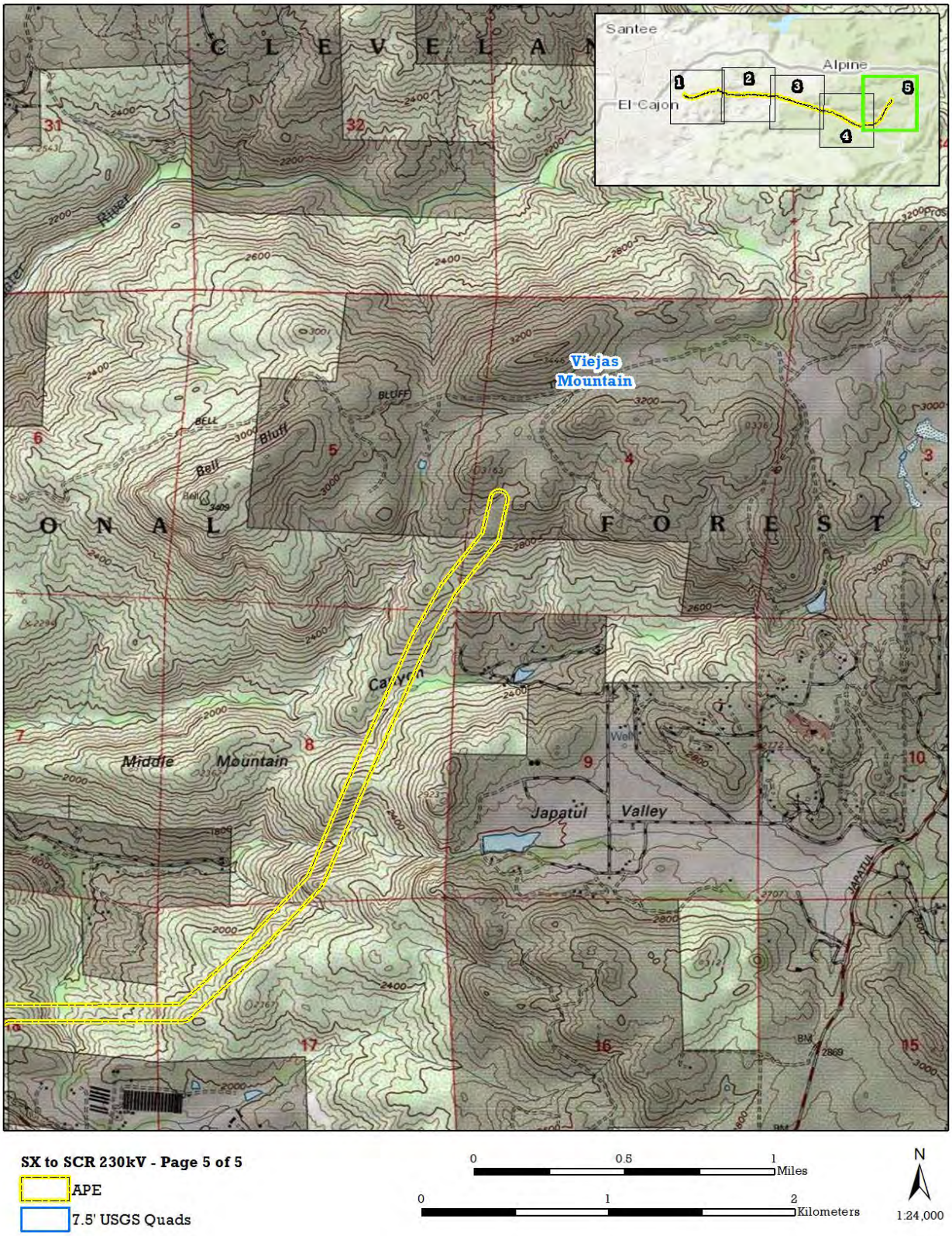

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March 19, 2025

Mr. Ernest Pingleton
Viejas Band of Kumeyaay Indians
1 Viejas Grade Road
Alpine, California 91901

RE: Information Request Letter for the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County, California

Dear Mr. Pingleton,

ASM Affiliates, Inc. (ASM) is conducting a cultural resource study for the SDG&E Sycamore Canyon 230 Kilovolt (kV) Loop-In to Suncrest Project Project (Project) which will run through the communities of La Cresta, Harbison Canyon, Alpine, and Japatul, San Diego County, California. The Project is shown on the USGS Alpine, El Cajon, and Viejas, California 7.5-minute quadrangles within the following sections (Figures 1-5):

Township: 15S Range: 1E Section(s): 34, 35
Township: 16S Range: 1E Section(s): 1, 2, 3, 4, Unsectioned (El Cajon Land Grant)
Township: 16S Range: 2E Section(s): 4, 5, 6, 9, 10, 11, 12, 13
Township: 16S Range: 3E Section(s): 4, 5, 8, 17, 18

This study is being undertaken in accordance with the California Environmental Quality Act (CEQA) requirements and National Environmental Protection Act (NEPA) Requirements. The California Public Utilities Commission (CPUC) is the lead CEQA agency for the Project while the United States Forest Service (USFS) is the lead NEPA agency for the Project. The Project will involve the installation of a new double-circuit 230 kV transmission line, as well as modifications to two existing SDG&E substations (i.e., the Suncrest Substation and Sycamore Canyon Substation). Specifically, the project will involve:

- Construction of a new approximately 14 to 16 mile-long, double-circuit 230 kV transmission line segment consisting of overhead and underground configurations to interconnect (or "loop") SDG&E's existing TL23021 into the Suncrest Substation.
- Modifications to the Suncrest Substation, which include the following:
    - installation of a new 500/230 kV transformer, consisting of four separate single-phase units, and associated tertiary reactors, circuit breakers, disconnects, and communication equipment;
    - relocation of an existing 230 kV shunt capacitor and current limiting reactors; and
    - demolition and relocation of an equipment yard and warehouse, which is currently located within the substation's fenced limits, to a nearby location.
- Modifications to the Sycamore Canyon Substation, which include upgrading existing 230 kV breakers from 2000 ampere (A) rated to 3000A rated circuit breakers and installing associated equipment.

A record search of the Sacred Lands File (SLF) with the California Native American Heritage Commission (NAHC) on September 17, 2024, for a previous proposed Project route was positive. An updated record search of the is SLF is being conducted due changes to the Project route since then; however, it is expected

that the result will still be positive and that you will be identified as a contact. SDG&E has completed a record search at the South Coastal Information Center and provided the information to ASM, and archaeological surveys are projected to begin in April of 2025.

We are contacting you to find out if you are aware of any issues of cultural concern regarding the area shown on the enclosed Project maps. In particular, we would like to know if you have any knowledge of Traditional Cultural Properties, Sacred Sites, Tribal Cultural Resources, resource collecting areas, or any other areas of concern of which you wish us to be aware. All information provided will be kept confidential.

If you have any questions or concerns regarding the proposed Project, we will contact you about the best way to include consideration of the concerns while maintaining confidentiality. You can contact me at tluevano@asmaffiliates.com or 619-851-4036. We appreciate any input you may have on this project and any information you provide us will remain confidential.

Respectfully Yours,

Terrence Luévano, M.A, RPA
Senior Archaeologist
ASM Affiliates, Inc.
tluevano@asmaffiliates.com

Attachments:

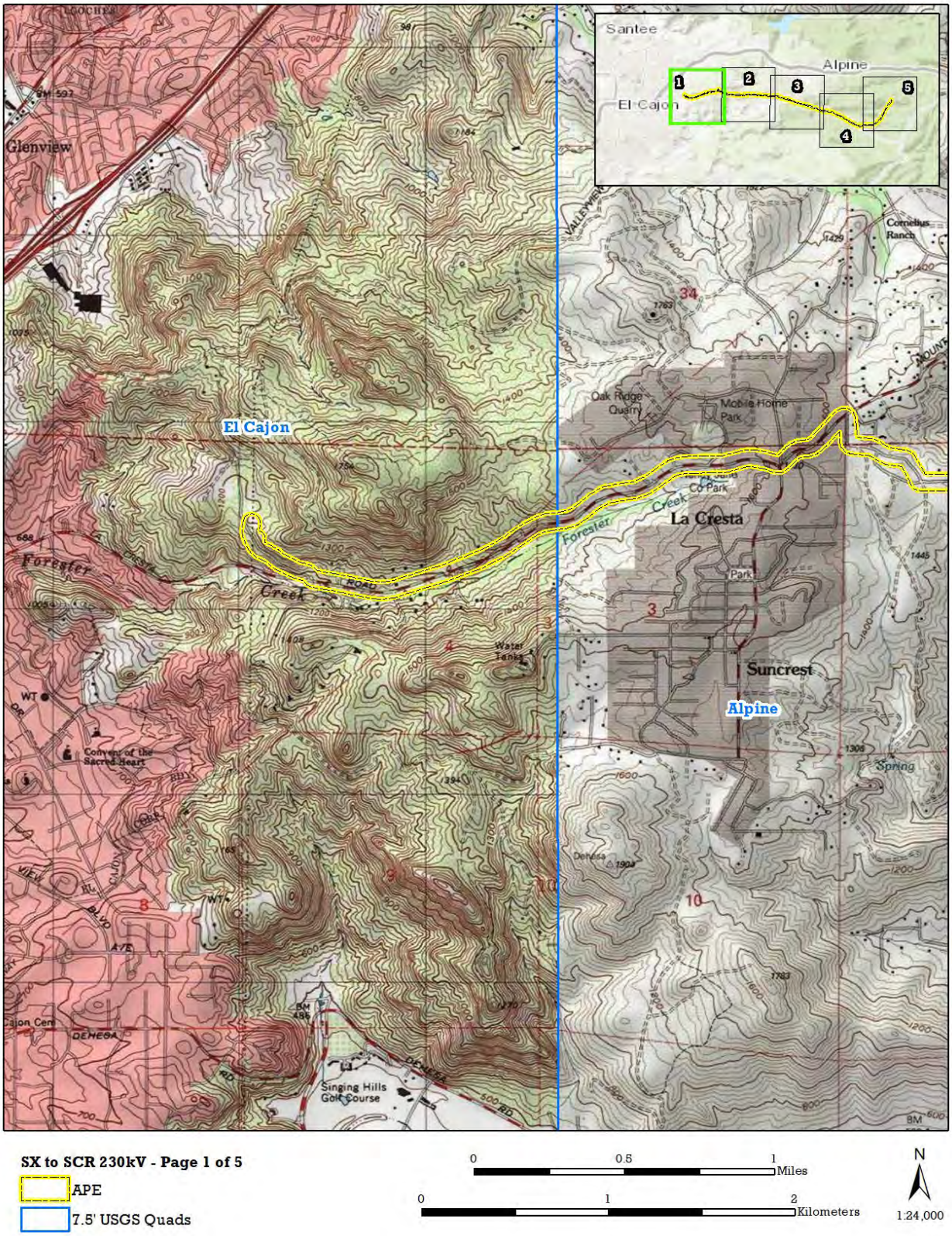
Figure 1. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project. Page 1

Figure 2. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project. Page 2

Figure 3. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project. Page 3

Figure 4. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project. Page 4

Figure 5. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project. Page 5



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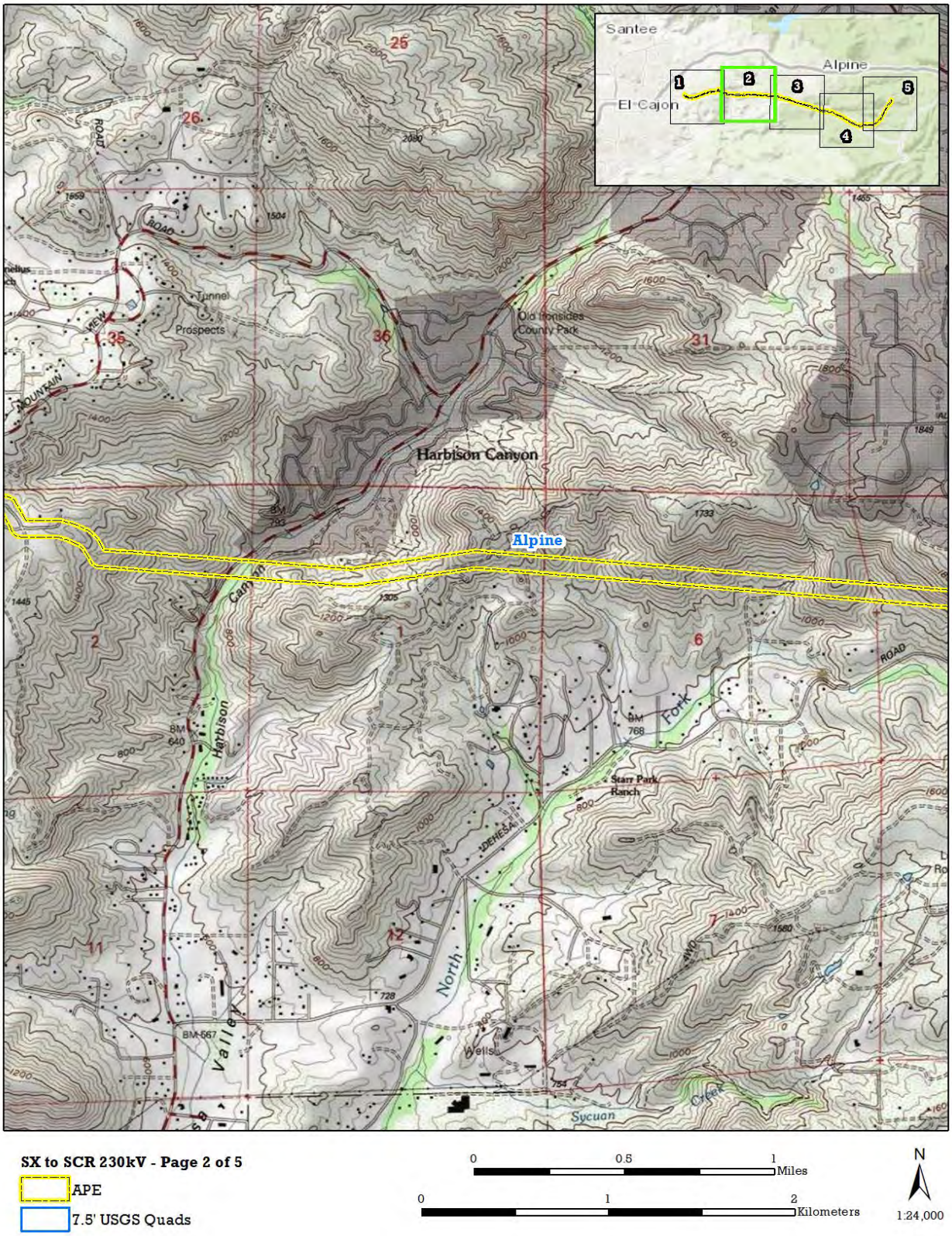

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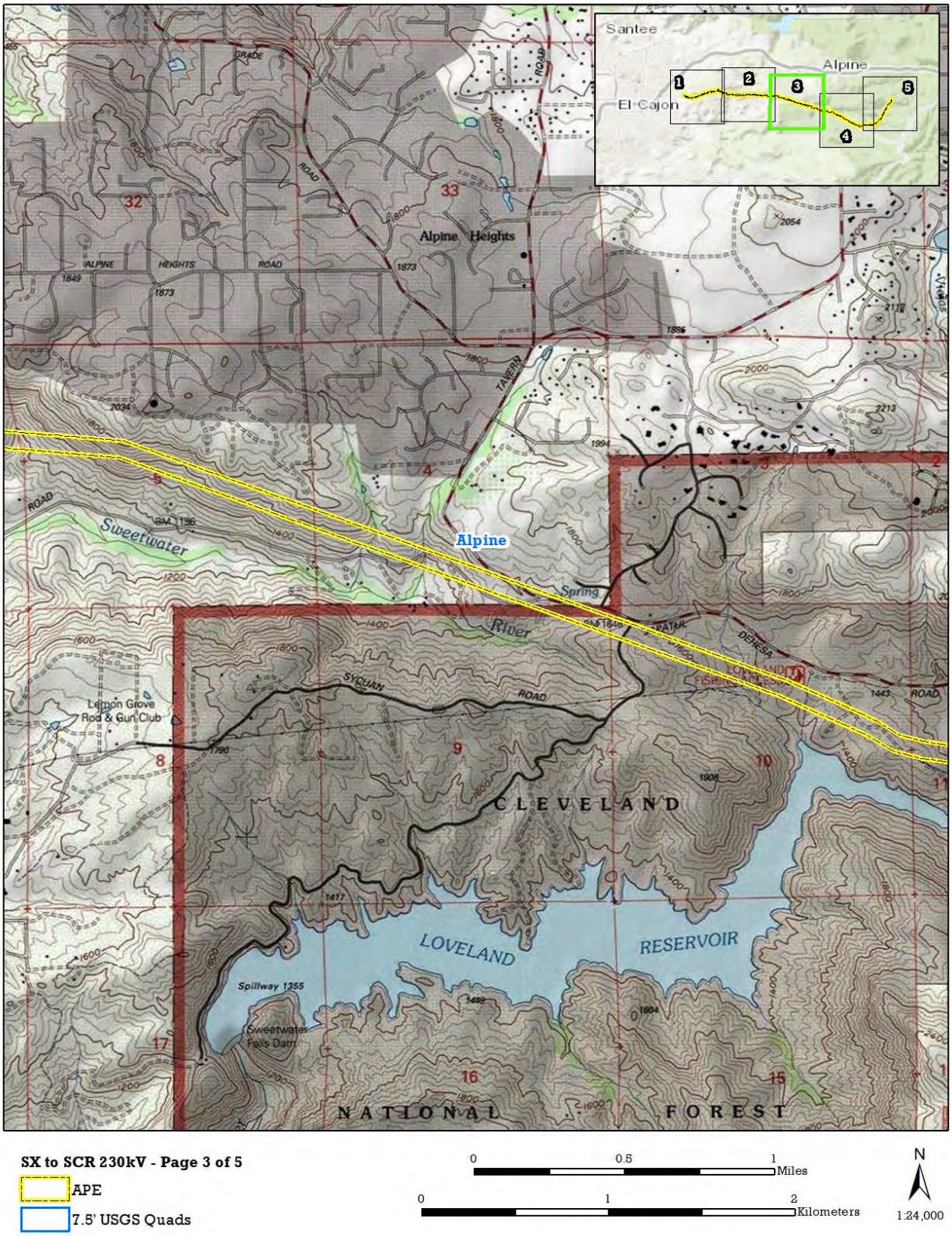
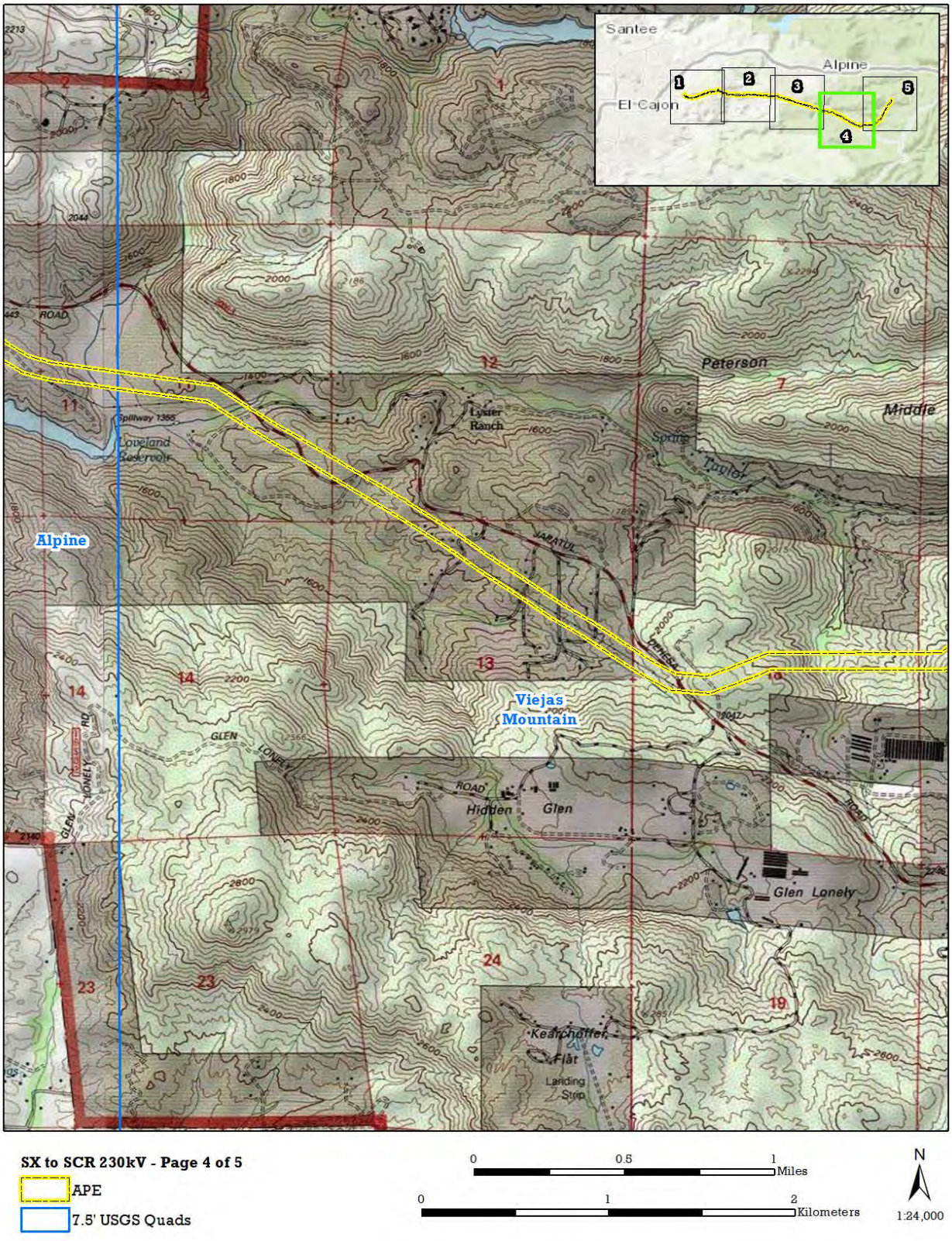


Figure 3. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project.
Page 3



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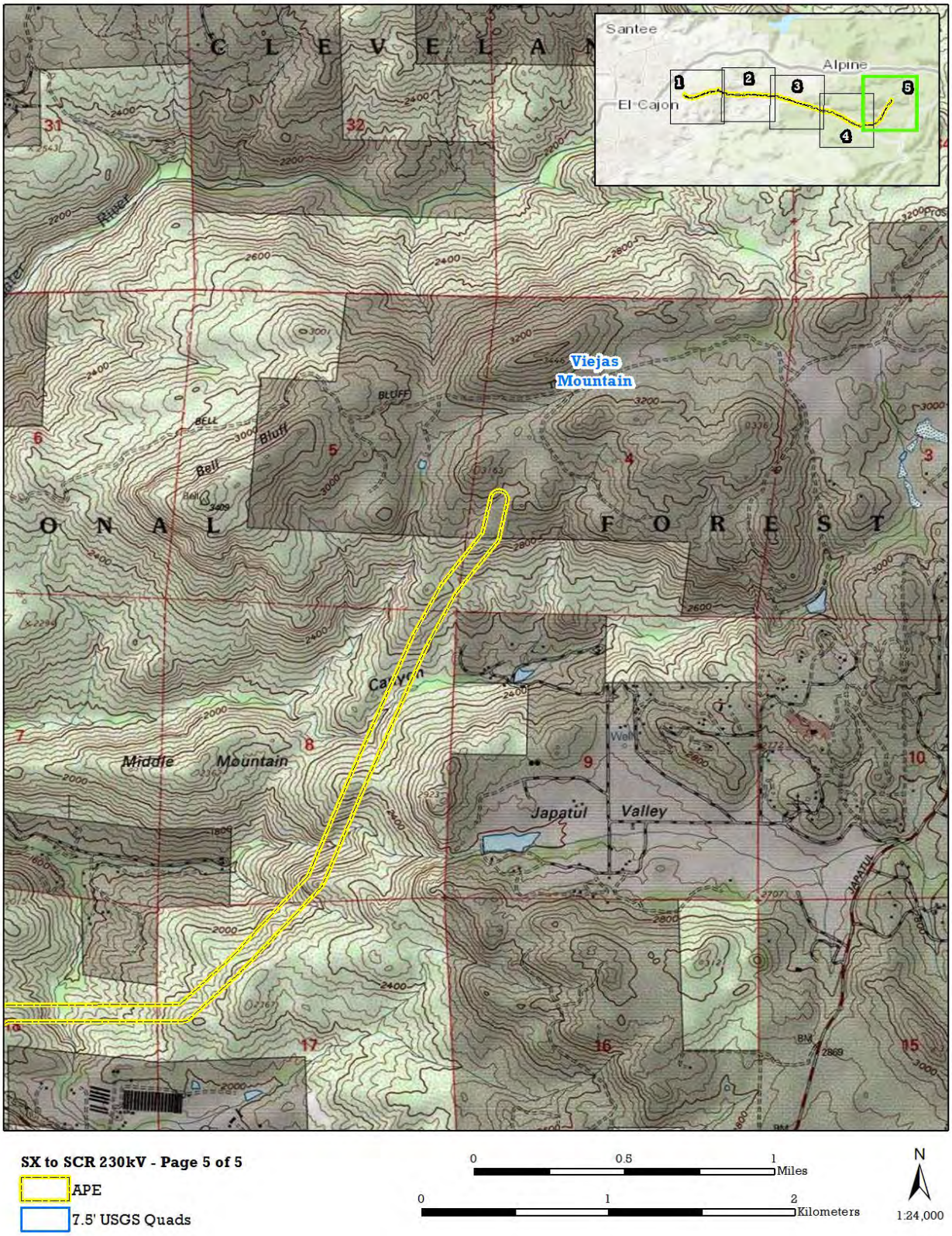

Figure 5. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project.
Page 5

March 19, 2025

Mr. Ray Teran
Viejas Band of Kumeyaay Indians
1 Viejas Grade Road
Alpine, California 91901

RE: Information Request Letter for the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project, San Diego County, California

Dear Mr. Teran,

ASM Affiliates, Inc. (ASM) is conducting a cultural resource study for the SDG&E Sycamore Canyon 230 Kilovolt (kV) Loop-In to Suncrest Project Project (Project) which will run through the communities of La Cresta, Harbison Canyon, Alpine, and Japatul, San Diego County, California. The Project is shown on the USGS Alpine, El Cajon, and Viejas, California 7.5-minute quadrangles within the following sections (Figures 1-5):

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If you have any questions or concerns regarding the proposed Project, we will contact you about the best way to include consideration of the concerns while maintaining confidentiality. You can contact me at tluevano@asmaffiliates.com or 619-851-4036. We appreciate any input you may have on this project and any information you provide us will remain confidential.

Respectfully Yours,

Terrence Luévano, M.A, RPA
Senior Archaeologist
ASM Affiliates, Inc.
tluevano@asmaffiliates.com

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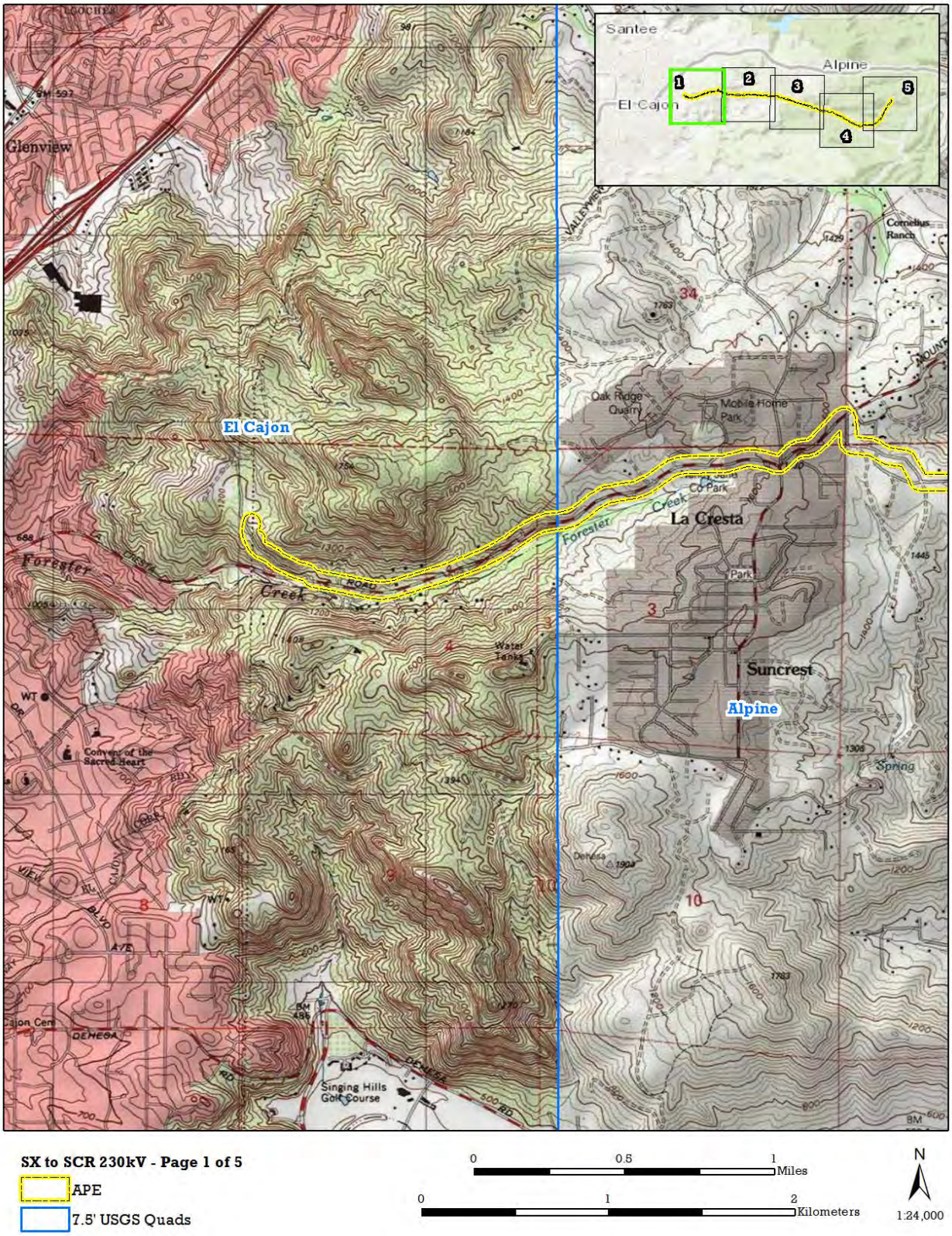

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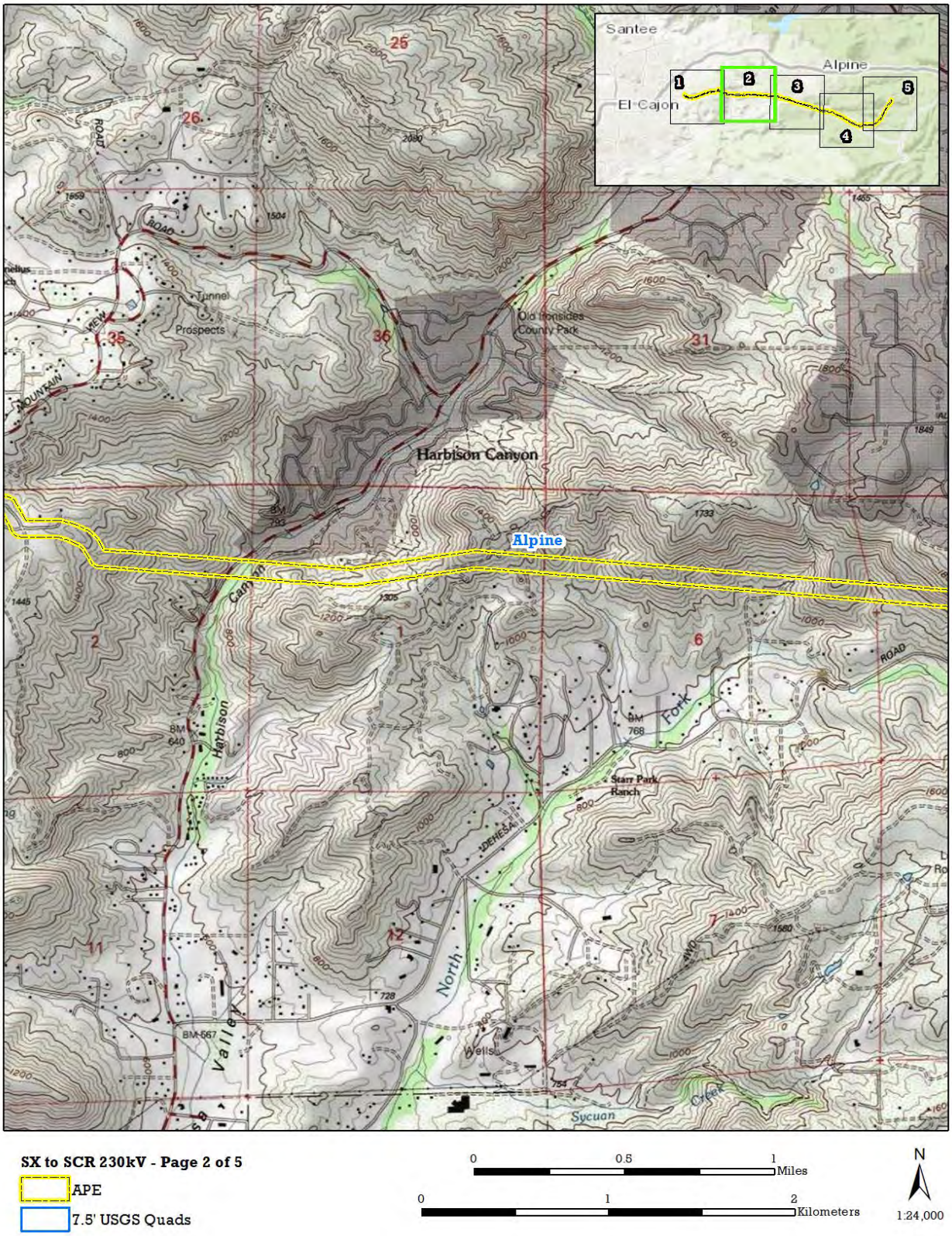

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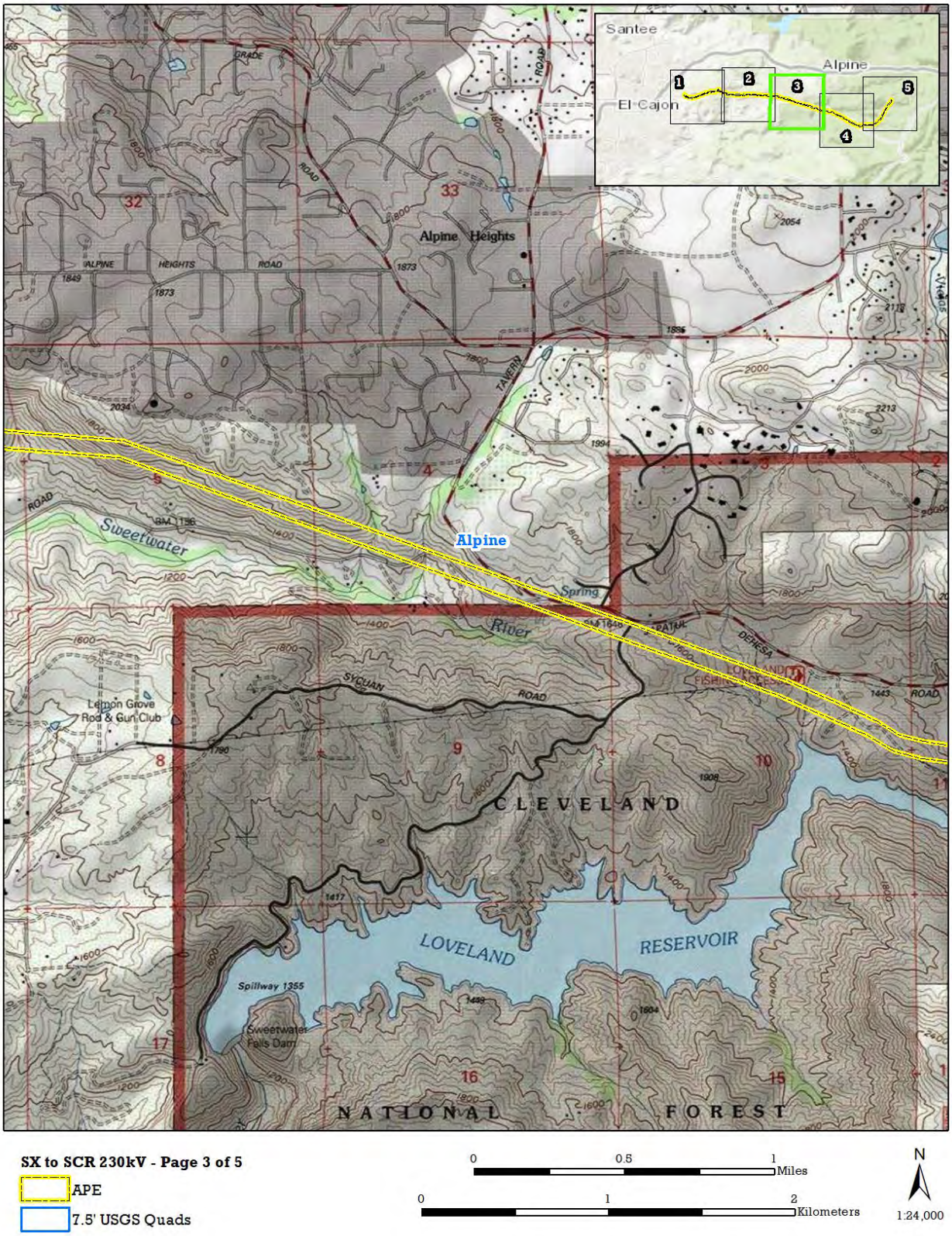

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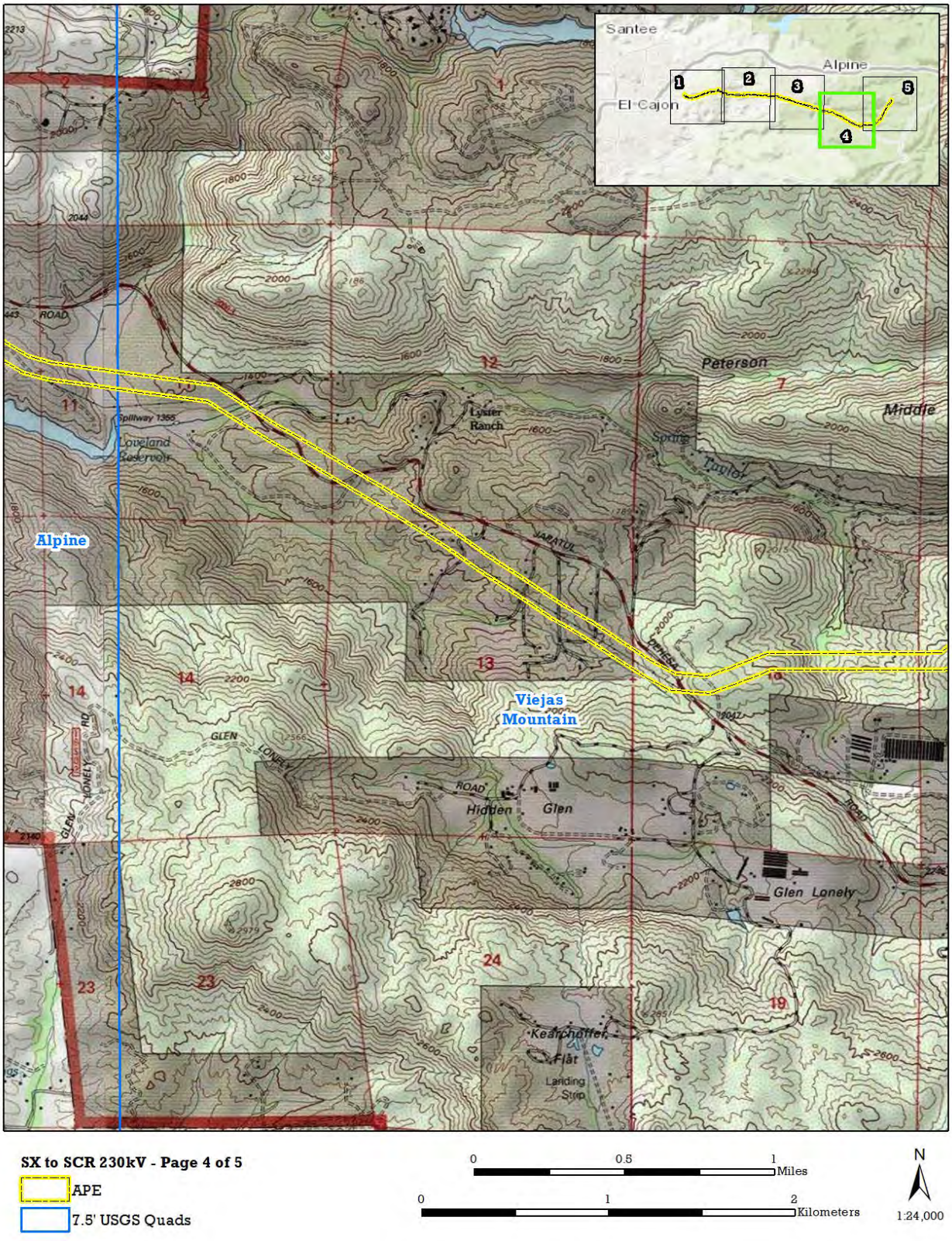
Page 3



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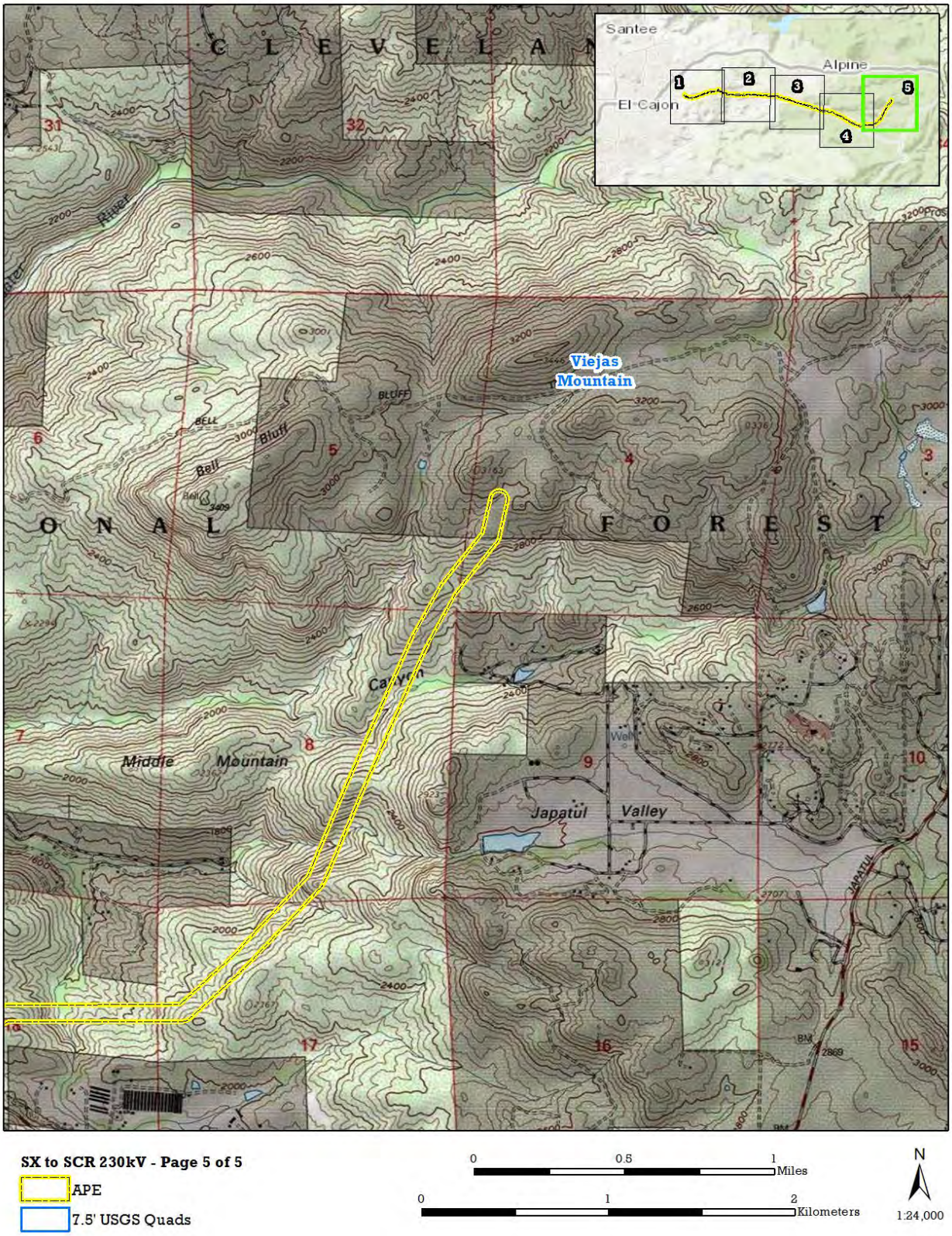

Figure 5. Location Map of the SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project.
Page 5

Outlook

[EXTERNAL] RE: Information Request Letter: SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project

From Ray Teran <rteran@viejas-nsn.gov>
Date Thu 3/20/2025 9:23 AM
To Terrence Luévano <tluevano@asmaffiliates.com>
Cc Ernest Pingleton <epingleton@viejas-nsn.gov>

Caution: This email is from an EXTERNAL sender. Be safe and verify links and/or attachments prior to opening.

The Viejas Band of Kumeyaay Indians ("Viejas") has reviewed the proposed project and at this time we have determined that the project site has cultural significance or ties to Viejas. Cultural resources have been located within or adjacent to the APE-DE of the proposed project.

Viejas Band request that a Kumeyaay Cultural Monitor be on site for ground disturbing activities and to inform us of any new developments such as inadvertent discovery of cultural artifacts, cremation sites, or human remains.

If you wish to utilize Viejas cultural monitors (Viejas rate is $54.15/hr. plus GSA mileage), please call Ernest Pingleton at 619-655-0410 or email, epingleton@viejas-nsn.gov, for contracting and scheduling. Thank you.

From: Terrence Luévano <tluevano@asmaffiliates.com>
Sent: Wednesday, March 19, 2025 5:33 PM
To: Ray Teran <rteran@viejas-nsn.gov>
Subject: Information Request Letter: SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project

Hello,

Attached to this email is an information request letter for the upcoming SDG&E Sycamore Canyon 230 Kilovolt Loop-In to Suncrest Project. It is a proposed 16 mile powerline running roughly through the communities of La Crest, Harbison Canyon, Alpine, and Japatul and ASM invites the Tribe's response regarding the project as detailed in the information request letter.

Please do not hesitate to contact me if you have any questions.

Sincerely,
Terrence Luévano

Terrence Luévano M.A., RPA | Senior Archaeologist
7710 Balboa Ave., Suite 303 San Diego, CA | O: (619) 738-4030 | M: (619) 851-4036
tluevano@asmaffiliates.com | https://asmaffiliates.com

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APPENDIX B
Confidential Maps
Survey Coverage Map

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APPENDIX C
Potential for Buried Deposits Maps
Vegetation Type Maps
Ground Visibility Maps

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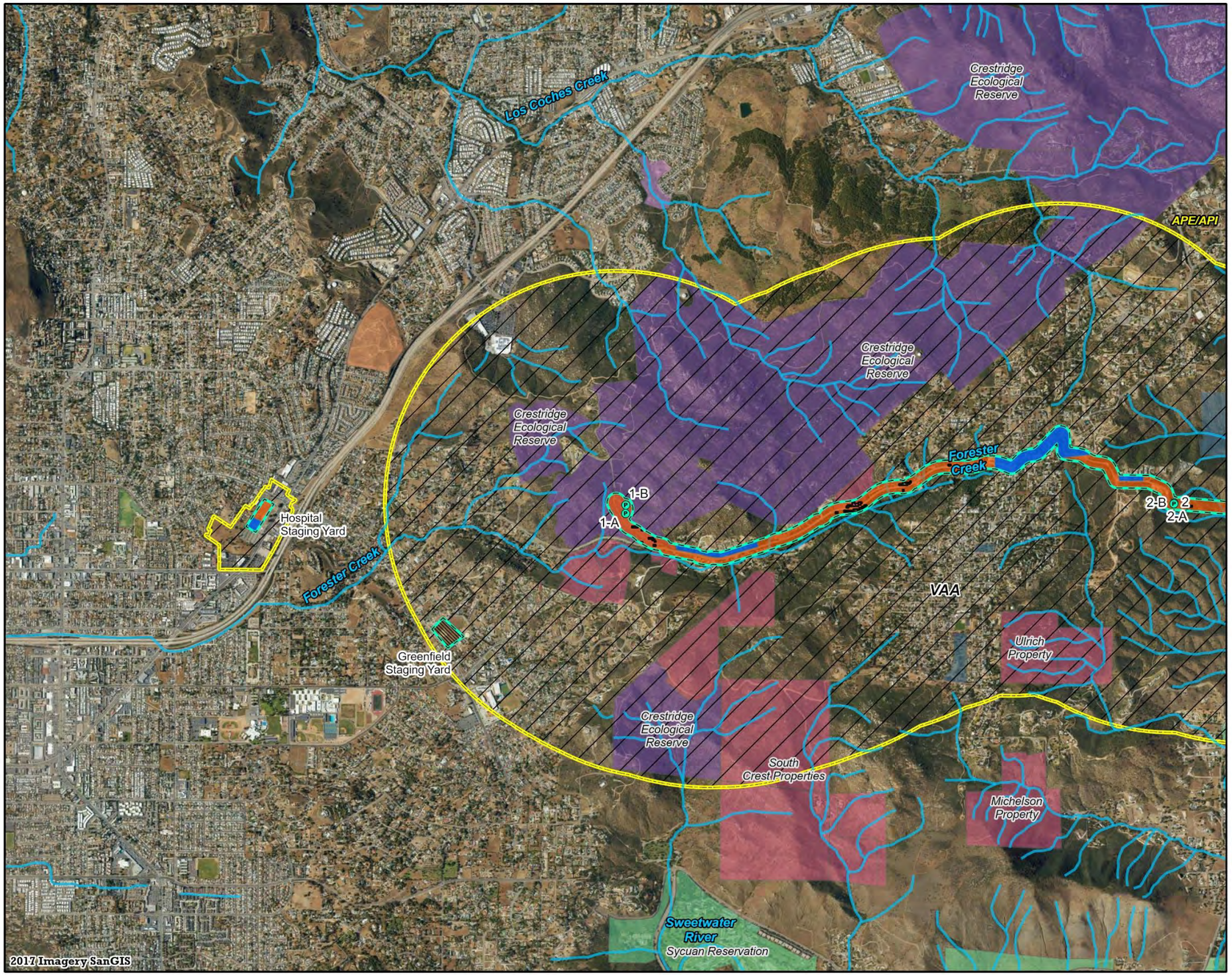


Cultural Resources Survey
Suncrest 230 kV Loop In Project

Potential for Buried Archaeological Deposits

Map 1 of 4

NAD 83 State Plane Zone VI feet
Map by: E. Esquer 3/2/2026

- Pole
- Proposed Project Area/Physical
- APE/API
- VAA

NHD Flowline (USGS.gov)
- Stream or River

Potential for Buried Sites
- High Potential (<30% Slope)
- Low Potential (>30% Slope)
- Moderate Potential (Developed <30% Slope)

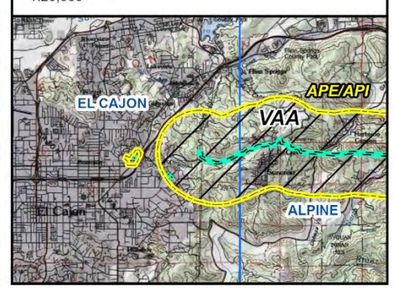
Jurisdiction
- BIA
- California Department of Fish and Wildlife
- California Department of Transportation
- El Cajon, City of
- Endangered Habitats Conservancy
- San Diego, County of
- The Environmental Trust

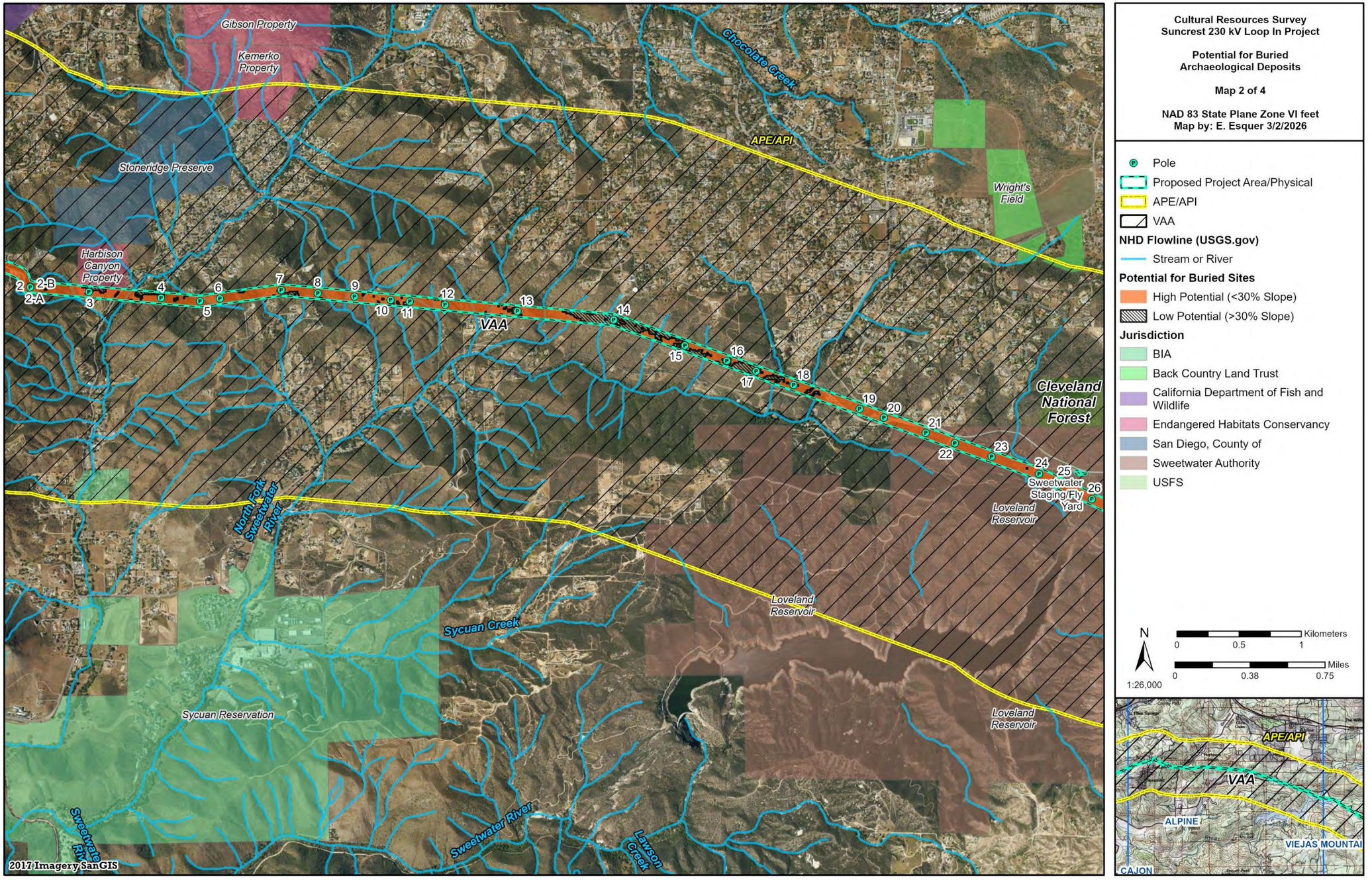
N

Kilometers: 0, 0.5, 1

Miles: 0, 0.38, 0.75

1:26,000





Cultural Resources Survey
Suncrest 230 kV Loop In Project

Potential for Buried Archaeological Deposits

Map 2 of 4

NAD 83 State Plane Zone VI feet
Map by: E. Esquer 3/2/2026

- Pole
- Proposed Project Area/Physical
- APE/API
- VAA

NHD Flowline (USGS.gov)

- Stream or River

Potential for Buried Sites

- High Potential (<30% Slope)
- Low Potential (>30% Slope)

Jurisdiction

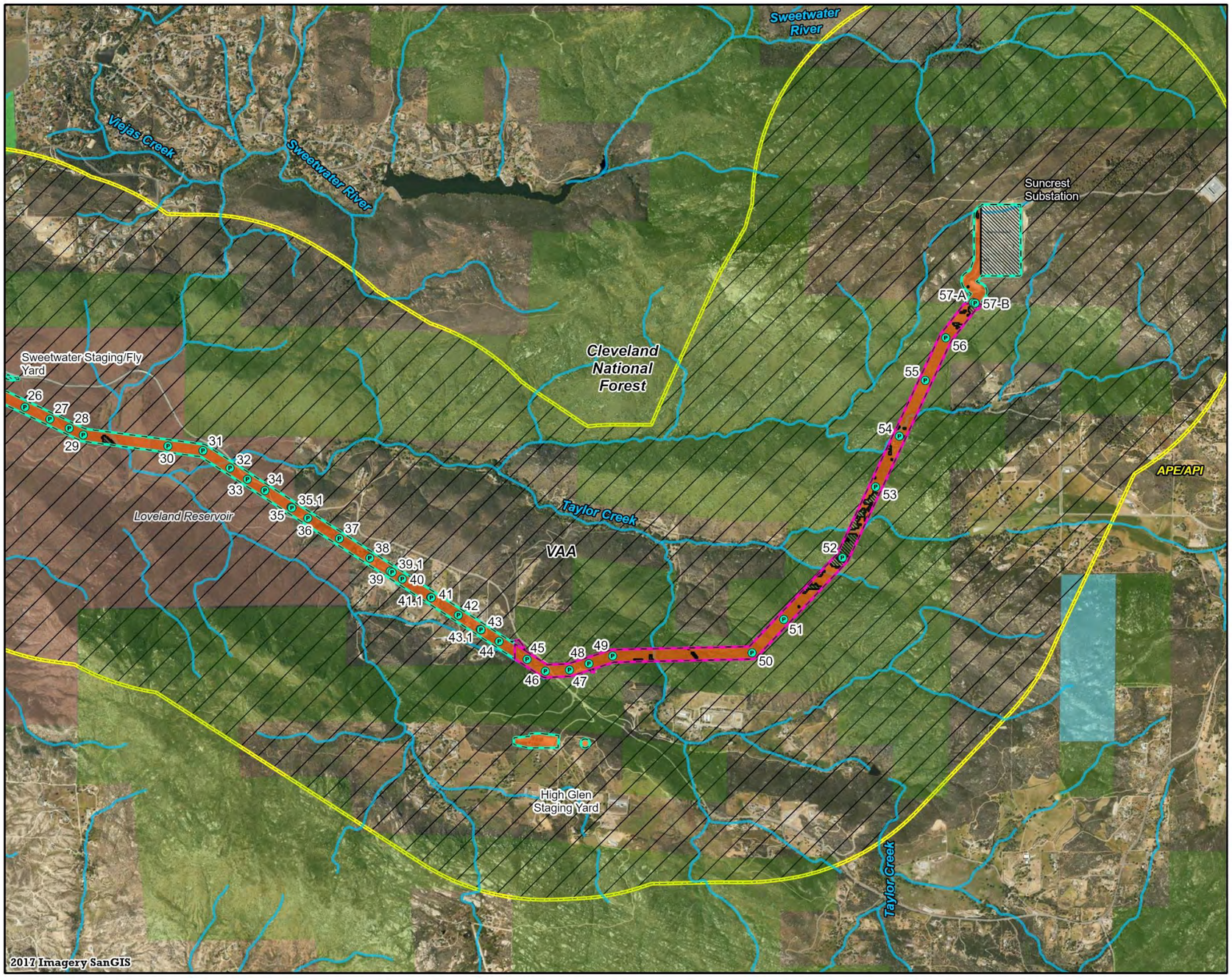
- BIA
- Back Country Land Trust
- California Department of Fish and Wildlife
- Endangered Habitats Conservancy
- San Diego, County of
- Sweetwater Authority
- USFS

N

1:26,000

Kilometers: 0 — 0.5 — 1

Miles: 0 — 0.38 — 0.75



Cultural Resources Survey
Suncrest 230 kV Loop In Project

Potential for Buried Archaeological Deposits

Map 3 of 4

NAD 83 State Plane Zone VI feet
Map by: E. Esquer 3/2/2026

- Pole
- Proposed Project Area/Physical
- Proposed Project Area/Physical - Forest Service
- APE/API
- VAA

NHD Flowline (USGS.gov)
- Stream or River

Potential for Buried Sites
- High Potential (<30% Slope)
- Low Potential (>30% Slope)

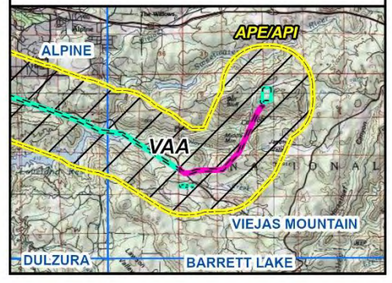
Jurisdiction
- Back Country Land Trust
- California State Lands Commission
- Sweetwater Authority
- USFS

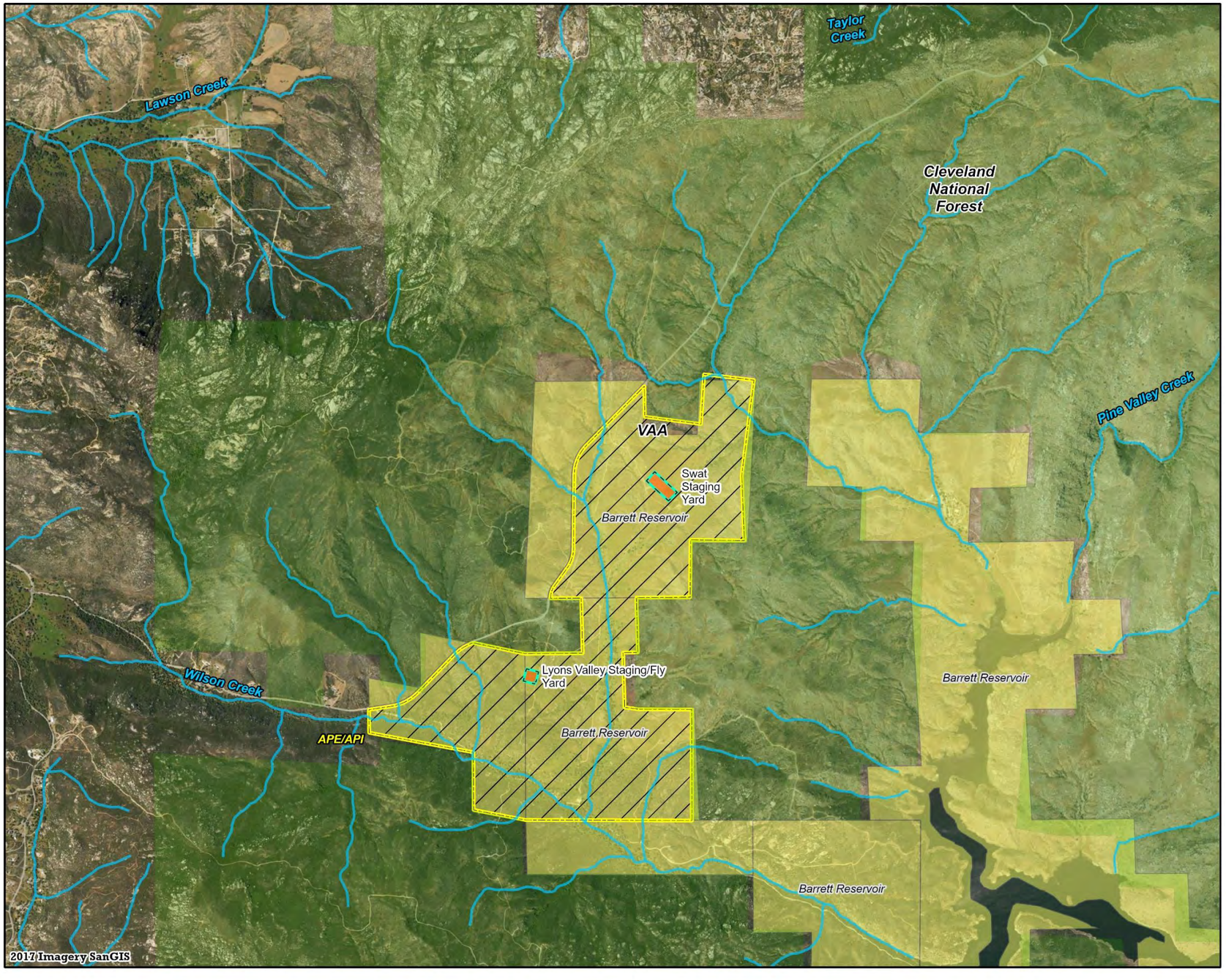
N

1:26,000

Kilometers
0 0.5 1

Miles
0 0.38 0.75





Cultural Resources Survey
Suncrest 230 kV Loop In Project

Potential for Buried Archaeological Deposits

Map 4 of 4

NAD 83 State Plane Zone VI feet
Map by: E. Esquer 3/2/2026

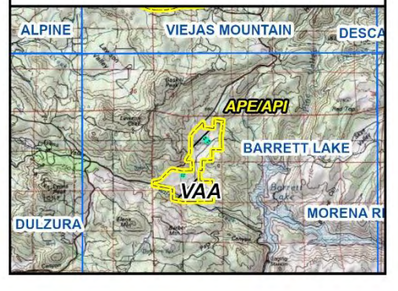
- Pole
- Proposed Project Area/Physical
- APE/API
- VAA

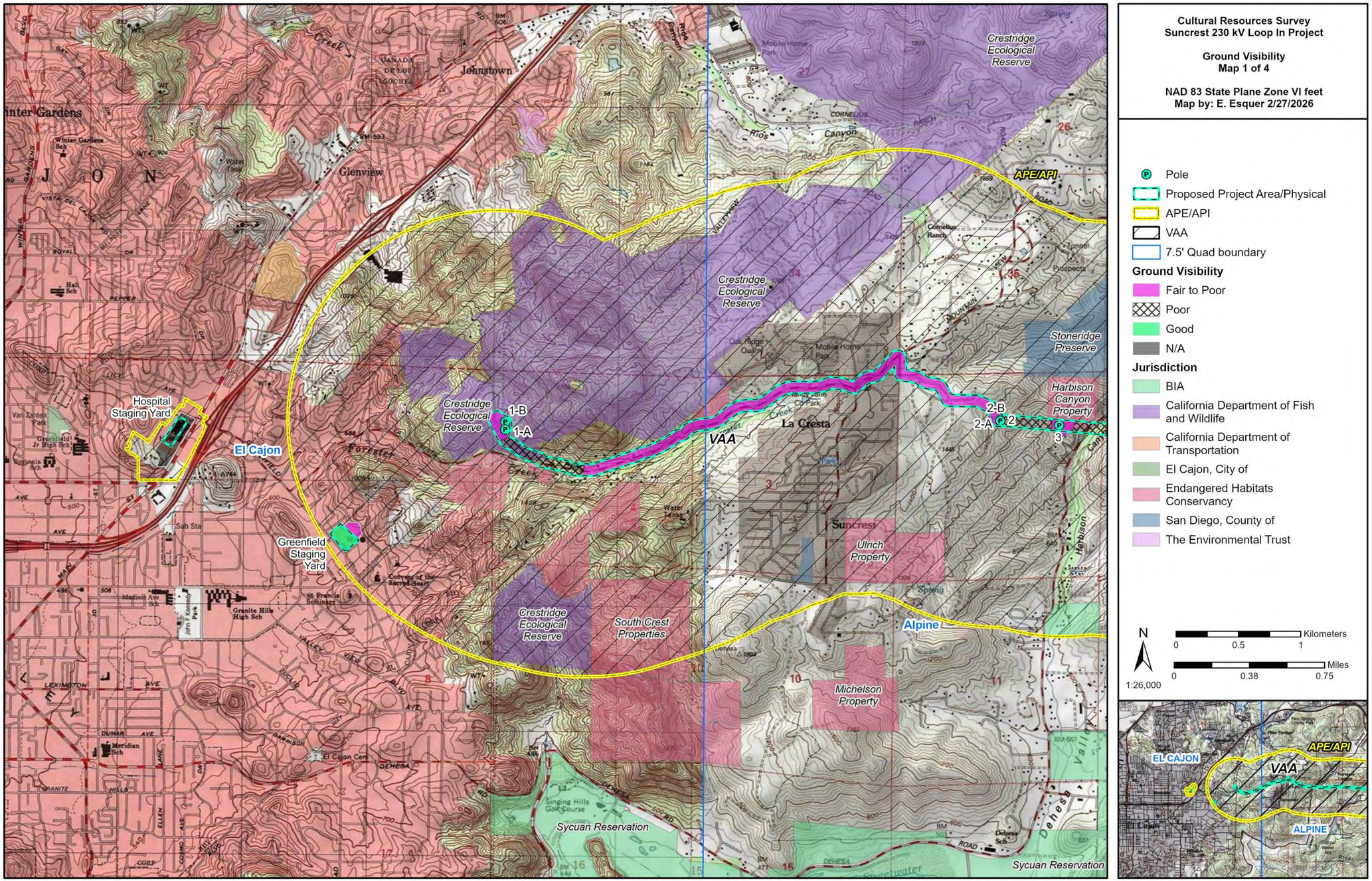
NHD Flowline (USGS.gov)
- Stream or River

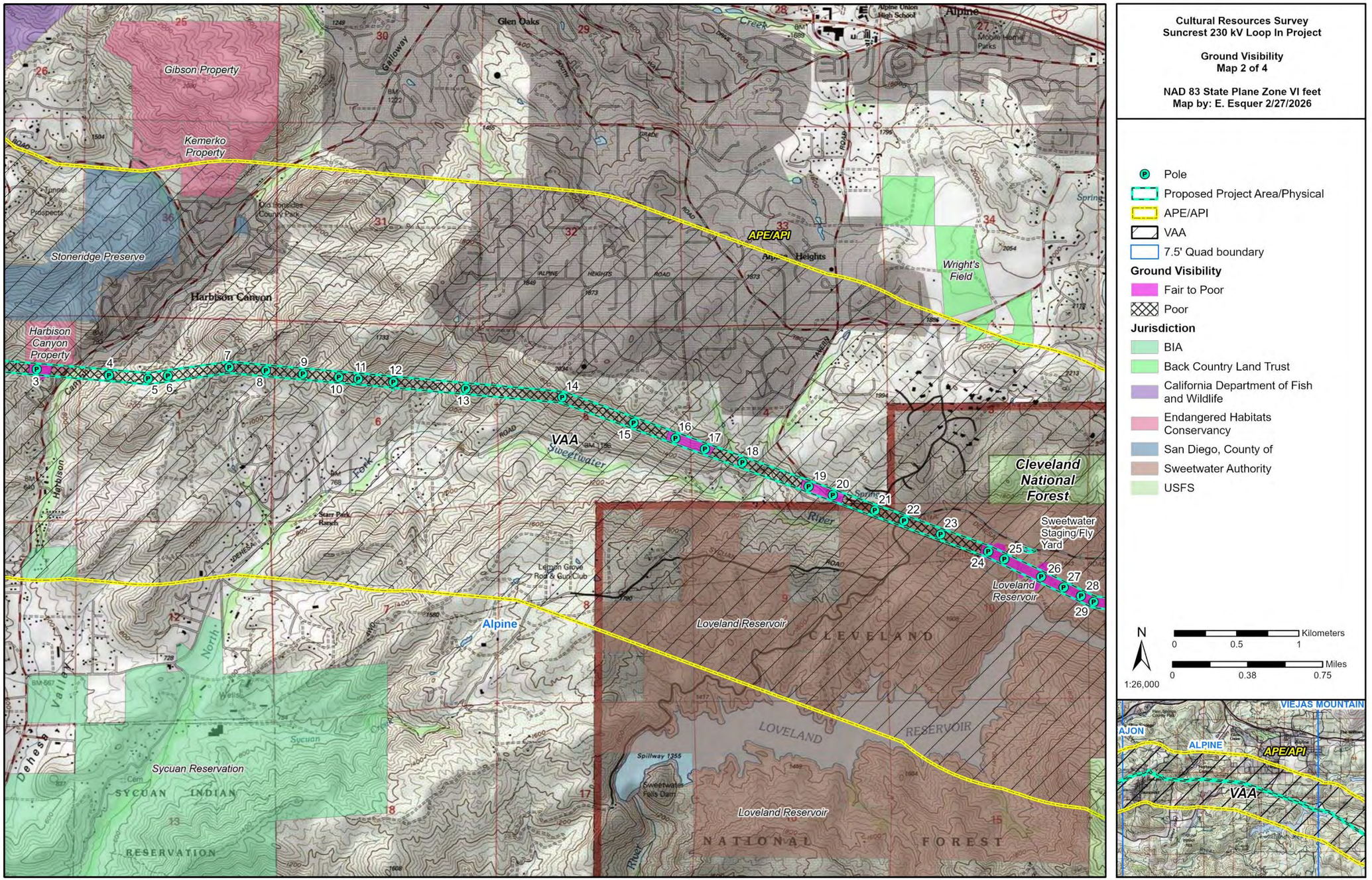
Potential for Buried Sites
- High Potential (<30% Slope)

Jurisdiction
- San Diego, City of
- USFS

N
0 0.5 1 Kilometers
0 0.38 0.75 Miles
1:26,000




Hospital Staging Yard
El Cajon
Greenfield Staging Yard
Crestridge Ecological Reserve
1-A
1-B
VAA
La Cresta
Harbison Canyon Property
2-A
2-B
3
APE/API
Stoneridge Preserve
Ulrich Property
Suncrest
Alpine
Michelson Property
South Crest Properties
Sycuan Reservation
Johnstown
Glenview
Cultural Resources Survey
Suncrest 230 kV Loop In Project
Ground Visibility
Map 1 of 4
NAD 83 State Plane Zone VI feet
Map by: E. Esquer 2/27/2026
Pole
Proposed Project Area/Physical
APE/API
VAA
7.5' Quad boundary
Ground Visibility
Fair to Poor
Poor
Good
N/A
Jurisdiction
BIA
California Department of Fish and Wildlife
California Department of Transportation
El Cajon, City of
Endangered Habitats Conservancy
San Diego, County of
The Environmental Trust
N
1:26,000
Kilometers
0
0.5
1
Miles
0
0.38
0.75
EL CAJON
ALPINE



Cultural Resources Survey
Suncrest 230 kV Loop In Project

Ground Visibility
Map 2 of 4

NAD 83 State Plane Zone VI feet
Map by: E. Esquer 2/27/2026

- Pole
- Proposed Project Area/Physical
- APE/API
- VAA
- 7.5' Quad boundary

Ground Visibility

- Fair to Poor
- Poor

Jurisdiction

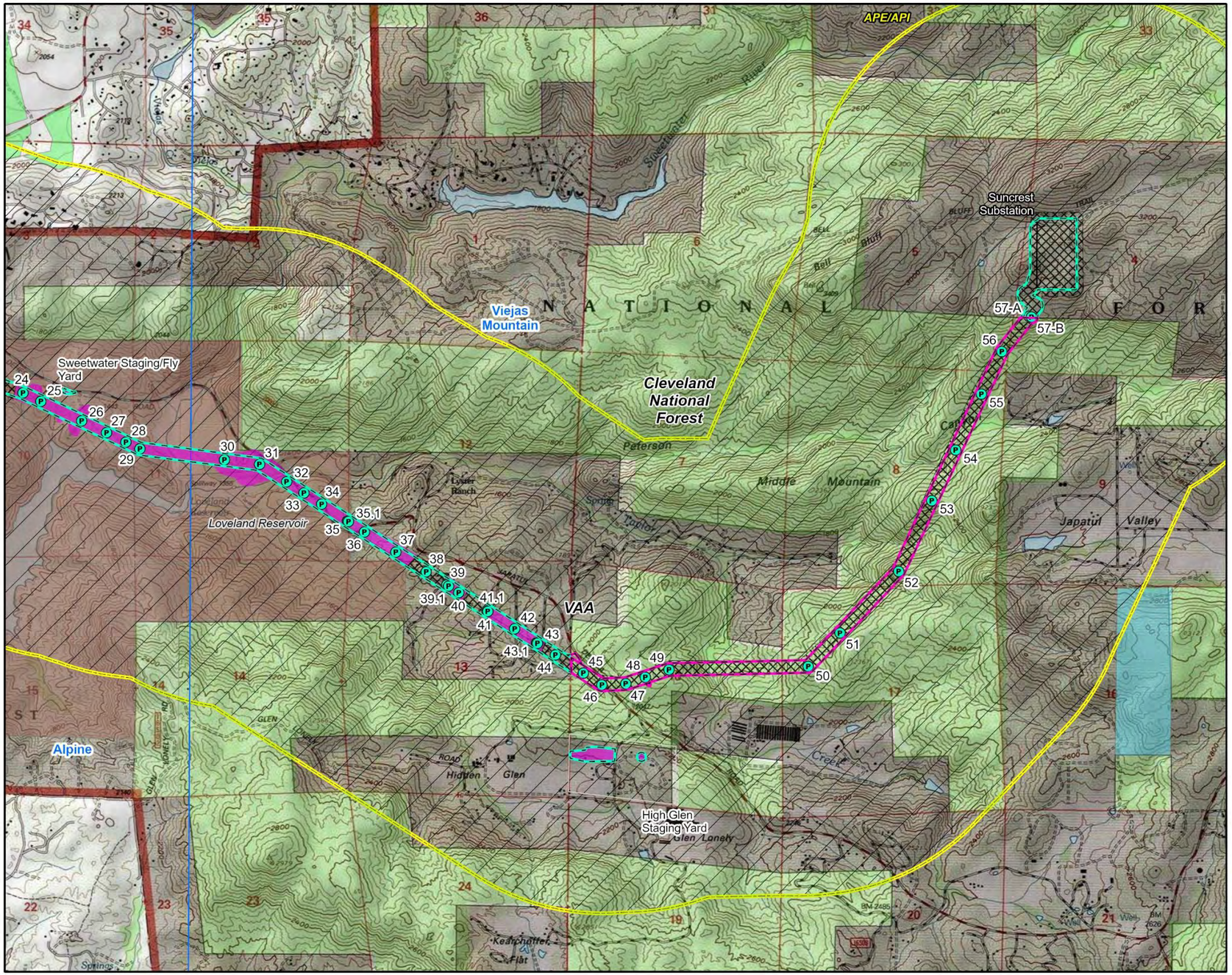
- BIA
- Back Country Land Trust
- California Department of Fish and Wildlife
- Endangered Habitats Conservancy
- San Diego, County of
- Sweetwater Authority
- USFS

N

Kilometers: 0 0.5 1

Miles: 0 0.38 0.75

1:26,000



Cultural Resources Survey
Suncrest 230 kV Loop In Project

Ground Visibility
Map 3 of 4

NAD 83 State Plane Zone VI feet
Map by: E. Esquer 2/27/2026

- Pole
- Proposed Project Area/Physical
- Proposed Project Area/Physical - Forest Service
- APE/API
- VAA
- 7.5' Quad boundary

Ground Visibility

- Fair to Poor
- Poor

Jurisdiction

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- USFS

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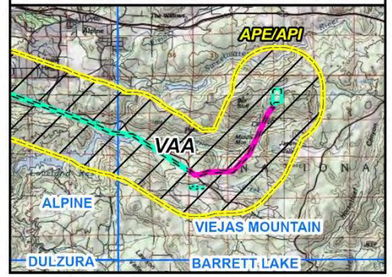
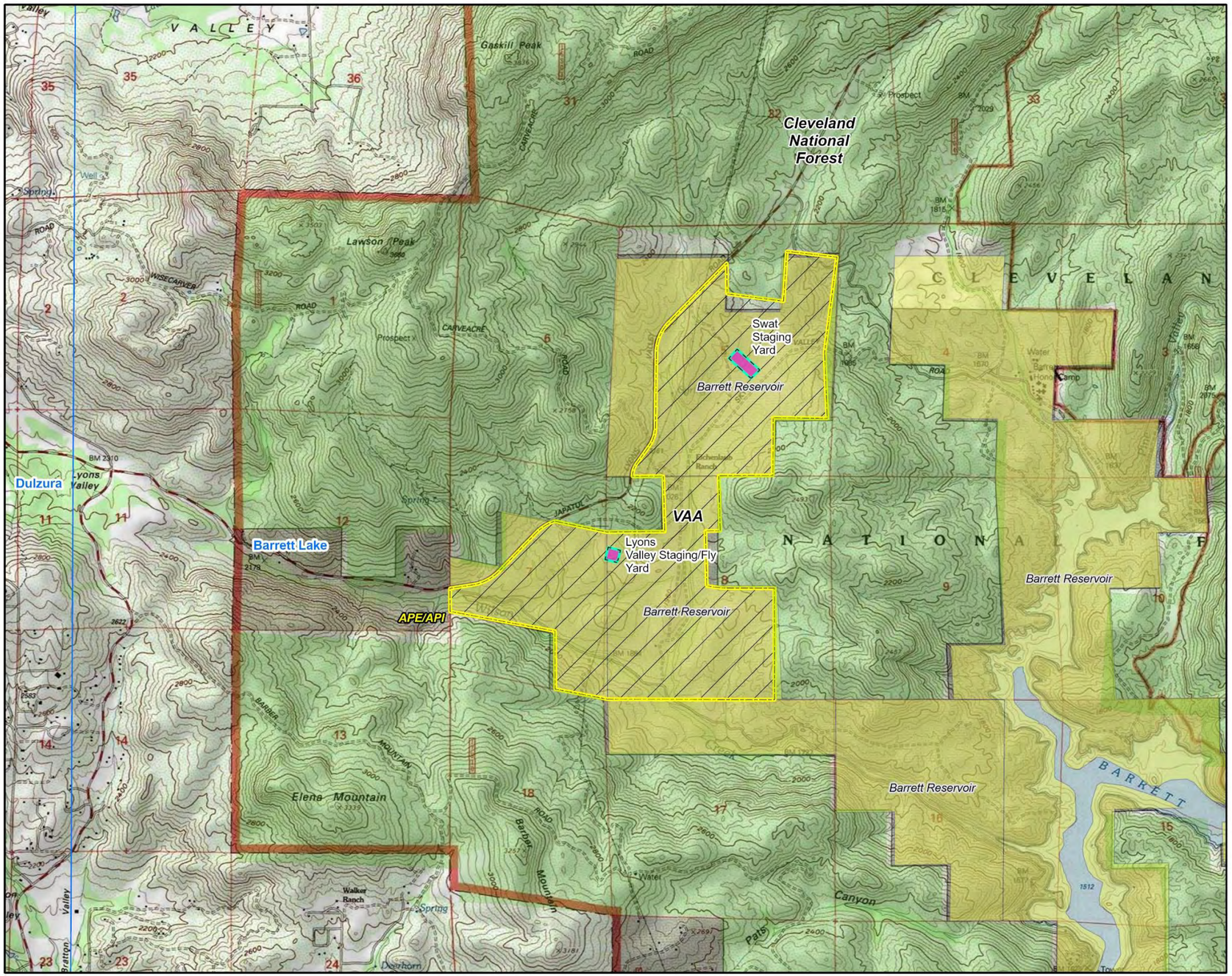
Kilometers: 0 0.5 1

Miles: 0 0.38 0.75





Cultural Resources Survey
Suncrest 230 kV Loop In Project

Ground Visibility
Map 4 of 4

NAD 83 State Plane Zone VI feet
Map by: E. Esquer 2/27/2026

- Pole
- Proposed Project Area/Physical
- APE/API
- VAA
- 7.5' Quad boundary

Ground Visibility

- Fair to Poor

Jurisdiction

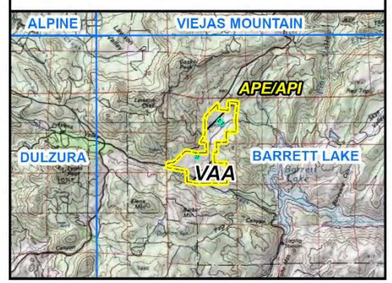
- San Diego, City of
- USFS

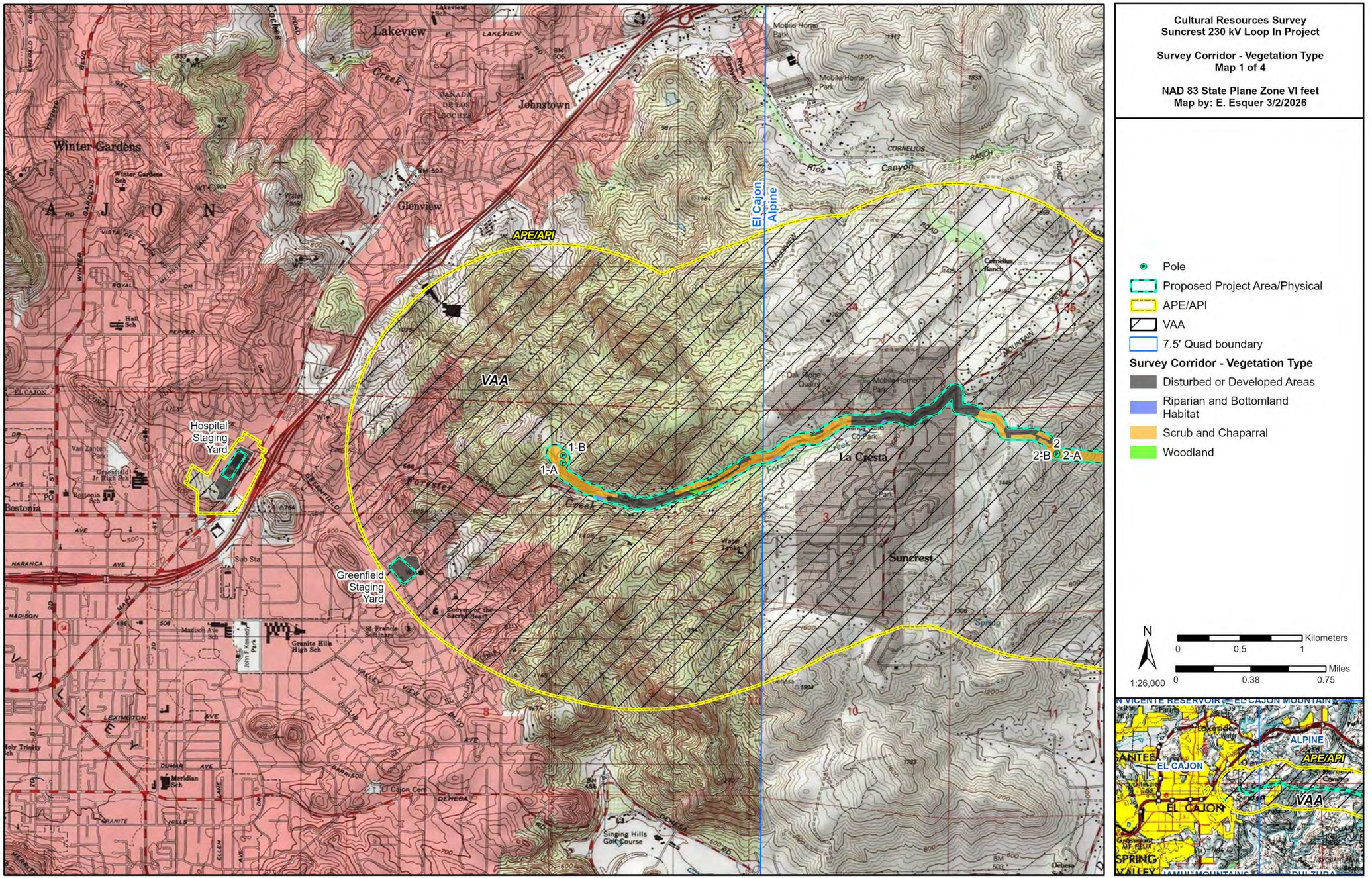
N

1:26,000

Kilometers: 0 — 0.5 — 1

Miles: 0 — 0.38 — 0.75





Cultural Resources Survey
Suncrest 230 kV Loop In Project

Survey Corridor - Vegetation Type
Map 1 of 4

NAD 83 State Plane Zone VI feet
Map by: E. Esquer 3/2/2026

- Pole
- Proposed Project Area/Physical
- APE/API
- VAA
- 7.5' Quad boundary

Survey Corridor - Vegetation Type

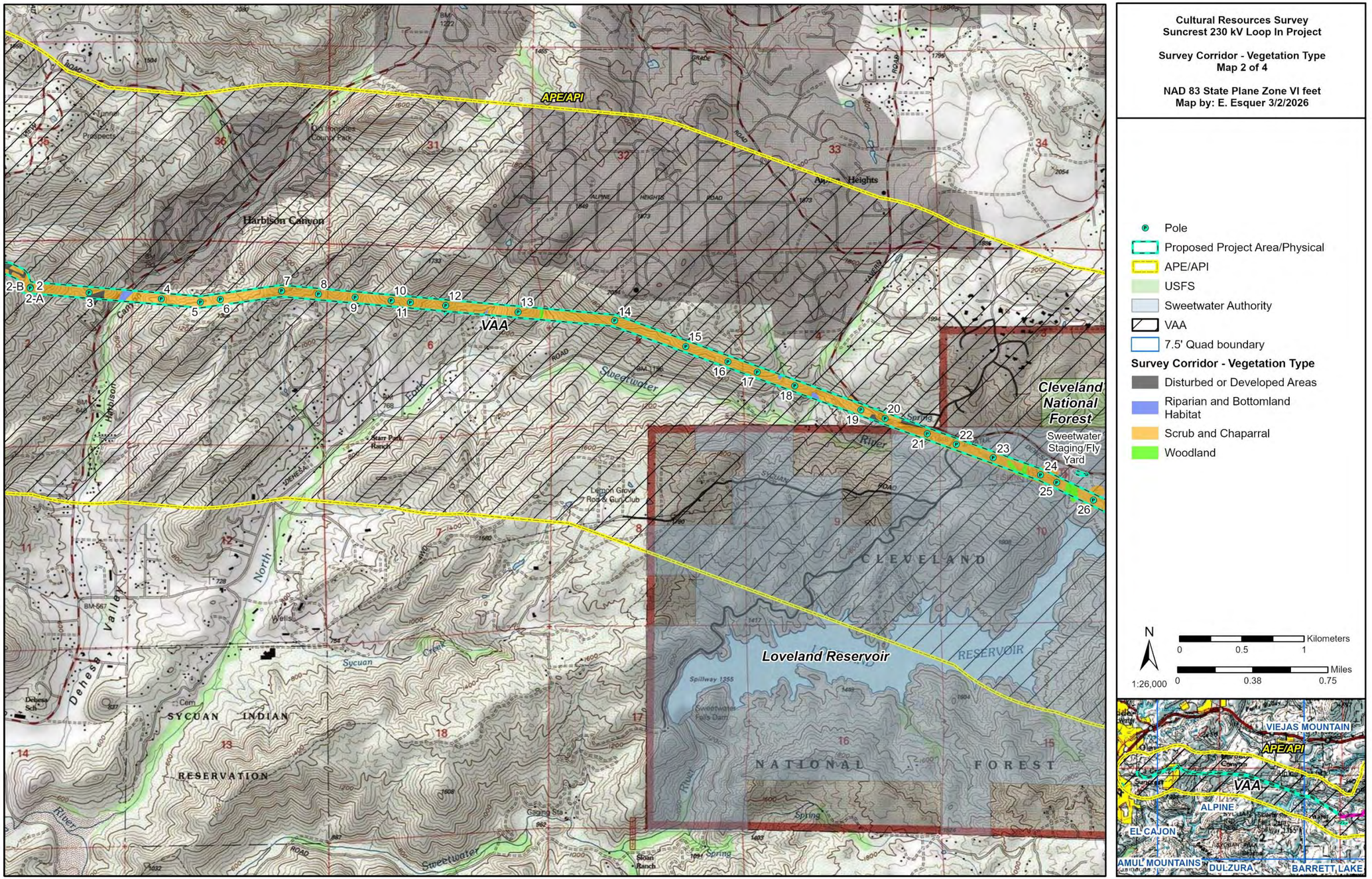
- Disturbed or Developed Areas
- Riparian and Bottomland Habitat
- Scrub and Chaparral
- Woodland

N

1:26,000

Kilometers: 0 — 0.5 — 1

Miles: 0 — 0.38 — 0.75



Cultural Resources Survey
Suncrest 230 kV Loop In Project

Survey Corridor - Vegetation Type
Map 2 of 4

NAD 83 State Plane Zone VI feet
Map by: E. Esquer 3/2/2026

- Pole
- Proposed Project Area/Physical
- APE/API
- USFS
- Sweetwater Authority
- VAA
- 7.5' Quad boundary

Survey Corridor - Vegetation Type

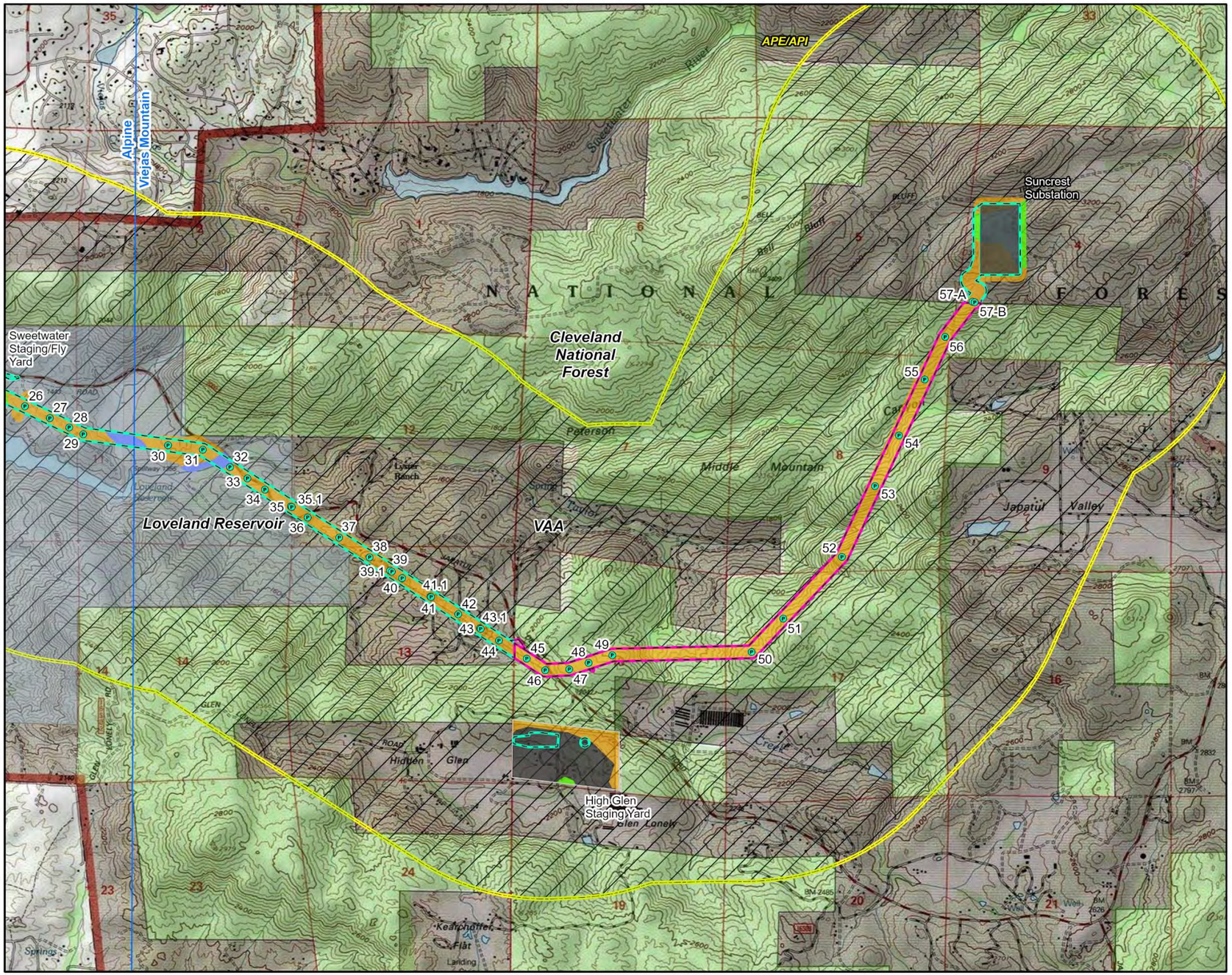
- Disturbed or Developed Areas
- Riparian and Bottomland Habitat
- Scrub and Chaparral
- Woodland

N

1:26,000

Kilometers: 0 — 0.5 — 1

Miles: 0 — 0.38 — 0.75



Cultural Resources Survey
Suncrest 230 kV Loop In Project

Survey Corridor - Vegetation Type
Map 3 of 4

NAD 83 State Plane Zone VI feet
Map by: E. Esquer 3/2/2026

- Pole
- Proposed Project Area/Physical
- Proposed Project Area/Physical - Forest Service
- APE/API
- USFS
- Sweetwater Authority
- VAA
- 7.5' Quad boundary

Survey Corridor - Vegetation Type

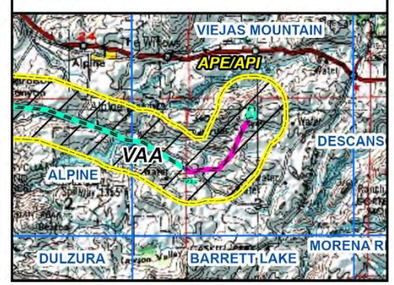
- Disturbed or Developed Areas
- Riparian and Bottomland Habitat
- Scrub and Chaparral
- Woodland

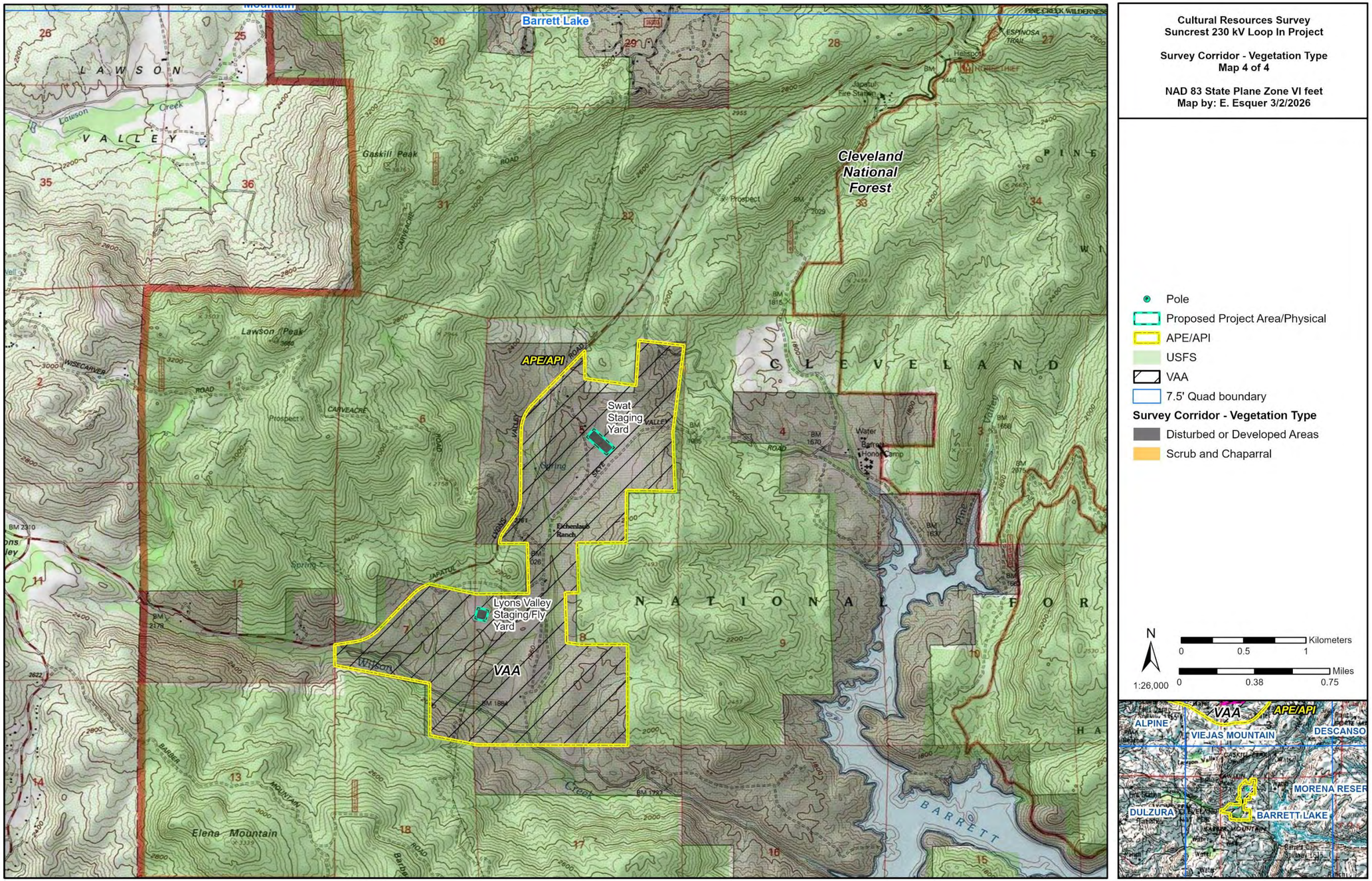
N

1:26,000

Kilometers: 0 0.5 1

Miles: 0 0.38 0.75





Cultural Resources Survey
Suncrest 230 kV Loop In Project

Survey Corridor - Vegetation Type
Map 4 of 4

NAD 83 State Plane Zone VI feet
Map by: E. Esquer 3/2/2026

- Pole
- Proposed Project Area/Physical
- APE/API
- USFS
- VAA
- 7.5' Quad boundary

Survey Corridor - Vegetation Type

- Disturbed or Developed Areas
- Scrub and Chaparral

N

1:26,000

Kilometers: 0 — 0.5 — 1

Miles: 0 — 0.38 — 0.75

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APPENDIX D

SCIC 1-mile Records Search Resources and Reports

Resources within One Mile of the Proposed Project

*Resources in Bold/Italics are within **Physical** APE/API*

P-number	Trinomial	Other ID (USFS, Old Site #, Temp ID)	Description
37-004516	CA-SDI-4516	W-563	Precontact site consisting of lithic tool scatter, bedrock milling, and associated midden
37-004664	CA-SDI-4664	SDM-W-1121	Extensive precontact resource processing complex
37-004665	CA-SDI-4665	SDM-1122	Serries of precontact milling features (3 loci) along a drainage
37-004666	CA-SDI-4666	SDM-1123	Precontact bedrock milling surfaces on a granite boulder
37-005604	CA-SDI-5604	SDM-W-1669	Historic semi-subterranean habitation structure and associated historic refuse scatter
37-005614	*CA-SDI-5614*	*SDM-W-1665*	*Historic wagon road and retaining wall*
37-005708	CA-SDI-5708	CE #150	Multicomponent site containging precontact bedrock milling site and associated historic refuse scatter
37-005770	CA-SDI-5770	W-1676A	Precontact bedrock milling loci connected by scattered lithic materials
37-005771	CA-SDI-5771	W-1677	Precontact lithic scatter
37-005772	CA-SDI-5772	W-1678A	Precontact milling group of seven slicks
37-005773	CA-SDI-5773	W-1678B	Precontact lithic flake debitage scatter
37-005774	CA-SDI-5774	W-1678C	Precontact widely scattered flakes and tools, three slicks on isolated boulders
37-005840	CA-SDI-5840	Ketner Site	Precontact site containing bedrock milling, stacked rock features, and large lithic scatter
37-005872	CA-SDI-5872	W-1843 Locus A	Precontact bedrock milling and small lithic scatter
37-005873	CA-SDI-5873	W-1843 Locus B	Precontact bedrock milling and small lithic scatter
37-005874	CA-SDI-5874	W-1843 Locus C	Small precontact lithic scatter
37-005875	CA-SDI-5875	W-1844 Locus A & B	Precontact bedrock milling and lithic scatter
37-005877	CA-SDI-5877	W-1846 Locus B	Small precontact stone tool scatter
37-005879	CA-SDI-5879	W-1846	Precontact habitation site (Subsumes CA-SDI-5877)
37-005882	CA-SDI-5882	W-1849	Historic structure with associated refuse and thre precontact lithic debitage flakes
37-005920	CA-SDI-5920	–	Two small precontact ceramic scatters
37-005921	CA-SDI-5921	–	Precontact bedrock milling station and stone tool site
37-006020	CA-SDI-6020	–	Precontact lithic scatter
37-006021	CA-SDI-6021	–	Precontact bedrock milling and two stone tools
37-006022	CA-SDI-6022	–	Precontact bedrock milling site
37-006715	CA-SDI-6715	W-1943	Precontact bedrock milling and two stone tools
37-006716	CA-SDI-6716	W-1944	Precontact bedrock milling and associated lithic scatter
37-006962	CA-SDI-6962	–	Precontact bedrock milling site
37-007166	CA-SDI-7166	SDM-W-2176	Precontact bedrock milling site with associated scatter of lithic flakes and tools
37-007932	CA-SDI-7932	CE #250	Precontact bedrock milling site
37-009776	CA-SDI-9776	NPS-3	Precontact artifact scatter
37-010145	CA-SDI-10145	PV-11-1	Precontact lithic and ceramic scatter
37-010146	CA-SDI-10146	PV-11-2	Precontact bedrock milling station
37-011209	CA-SDI-11209	Mosiman #1	Precontact light density lithic scatter
37-011243	CA-SDI-11243	Alpine 1	Historic Clark House location. House razed by fire, foundations and associated artifacts present
37-011279	CA-SDI-11279	–	Precontact bedrock milling site with associated ceramics
37-011772	CA-SDI-11772	May 1	Precontact bedrock milling station and associated artifact scatter

Resources within One Mile of the Proposed Project

*Resources in Bold/Italics are within **Physical** APE/API*

P-number	Trinomial	Other ID (USFS, Old Site #, Temp ID)	Description
37-011773	CA-SDI-11773	W-4445	Precontact bedrock milling station and associated artifact scatter
37-012106	*CA-SDI-12106*	*FS# 05025400958*	*Multicomponent site. Historic elements: rock walls, cistern, paved road, concrete bridge, refuse materials Precontact elements: bedrock milling, large lithic scatter (Precontact elements are subsumed CA-SDI-12107)*
37-012107	*CA-SDI-12107*	*FS# 05025400959*	*Precontact bedrock milling and large lithic scatter (subsumed during merge with CA-SDI-12106)*
37-012108	*CA-SDI-12108*	*FS# 05025400977*	*Precontact artifact scatter*
37-012109	*CA-SDI-12109*	–	*Precontact lithic debitage flake scatter, plus a few groundstone tools*
37-012110	*CA-SDI-12110*	*FS# 05025400979*	*Precontact lithic debitage flake scatter, plus a few groundstone tools and tool fragments*
37-012133	CA-SDI-12133	Moss 1	Precontact bedrock milling station
37-012134	CA-SDI-12134	Moss 2	Precontact bedrock milling station
37-012135	CA-SDI-12135	Moss 3	Precontact bedrock milling station
37-012902	CA-SDI-12902	Razooky–1	Precontact site containing bedrock milling, sparse lithic tool scatter, and associated midden
37-012903	CA-SDI-12903	Razooky–2	Precontact bedrock milling site
37-012904	CA-SDI-12904	Razooky–3	Precontact bedrock milling site
37-012905	CA-SDI-12905	Razooky–5	Precontact bedrock milling site
37-012906	CA-SDI-12906	Razooky–6	Precontact bedrock milling site
37-012907	CA-SDI-12907	Razooky–7	Precontact bedrock milling site with associated surface ceramics and midden
37-012908	CA-SDI-12908	Razooky–8	Precontact bedrock milling site
37-013135	CA-SDI-13135	SDM-W-4724	Precontact bedrock milling station with associated metavolcanic flakes
37-013136	CA-SDI-13136	SH–3	Historic concrete slab foundations, and various granite slabs and pieces
37-013137	CA-SDI-13137	SH–4	Precontact bedrock milling site
37-013138	CA-SDI-13138	SH–5	Precontact bedrock milling site
37-013139	CA-SDI-13139	SH–6	Historic Suncrest Truck Trail. Dirt road with numerous trash deposits
37-013161	CA-SDI-13161	SH–1	Precontact lithic scatter site
37-013189	CA-SDI-13189	ECS-S-6	Precontact bedrock milling site with associated groundstone tools
37-014059	CA-SDI-14013	Loveland 6	Precontact ceramic scatter
37-014060	CA-SDI-14014	Loveland 7	Precontact stone “room” or enclosure
37-014061	–	Loveland 3	Precontact ceramic isolate
37-014671	CA-SDI-14283	W-203B	Precontact bedrock milling site with associated artifacts and human remains
37-014672	CA-SDI-14284	–	Precontact bedrock milling site with associated artifacts and human remains
37-014912	–	I-214	Precontact lithic flake isolate
37-014913	–	I-215	Precontact lithic flake isolate
37-014914	–	I-216	Precontact lithic flake isolate
37-014915	–	I-217	Precontact lithic flake isolate

Resources within One Mile of the Proposed Project

*Resources in Bold/Italics are within **Physical** APE/API*

P-number	Trinomial	Other ID (USFS, Old Site #, Temp ID)	Description
37-017524	–	Afton Alps Isolate	Precontact lithic flake isolate
37-017528	CA-SDI-15359	Afton Alps 1	Precontact bedrock milling site with associated midden deposit and lithic flake scatter
37-017637	–	Snyder House	Historic one story residence
37-017705	–	Peterson House	Historic one story residence
37-017715	–	O.B. Wetzell Residence	Historic 2.5 story residence
37-018316	CA-SDI-15548	Rios Canyon Site 1	Precontact bedrock milling station
37-018887	CA-SDI-15734	O'Brien Temp 1	Precontact bedrock milling site with associated sparse artifact deposit (surface and subsurface)
37-018888	CA-SDI-15735	O'Brien Temp 2	Historic surficial refuse deposit
37-018889	CA-SDI-15736	O'Brien Temp 3	Historic surficial refuse deposit
37-024863	–	Dotts 1	Precontact lithic flake isolate
37-024864	–	Dotts 2	Historic cistern
37-025164	CA-SDI-16664	Kem-S-2	Precontact bedrock milling site
37-025928	–	AL-I-1	Precontact lithic retouched flake isolate
37-026421	CA-SDI-17355	BU-S-1	Precontact bedrock milling station
37-026422	CA-SDI-17356	BU-S-2	Precontact bedrock milling station with associated groundstone tool fragment
37-026423	CA-SDI-17357	BU-S-3	Precontact bedrock milling station with associated ceramic sherd
37-026424	CA-SDI-17358	BU-S-4	Precontact bedrock milling station
37-026425	CA-SDI-17359	EL-S-1	Precontact bedrock milling station
37-026426	CA-SDI-17360	EL-S-2	Precontact bedrock milling station
37-026427	CA-SDI-17361	EL-S-3	Precontact bedrock milling station
37-027096	CA-SDI-17721	RN-S-2	Precontact bedrock milling station
37-027100	CA-SDI-17725	RN-S-1	Precontact bedrock milling station
37-027101	CA-SDI-17726	RN-S-3	Precontact temporary camp or processing station (Habitation debris, cairn, lithic scatter, groundstone)
37-027102	CA-SDI-17727	RN-S-4	Precontact bedrock milling station
37-027103	CA-SDI-17728	RN-S-5	Precontact quartzite flaking station/quarry
37-027104	CA-SDI-17729	RN-S-6	Precontact bedrock milling station and quartzite quarry
37-027105	CA-SDI-17730	RN-S-7	Precontact bedrock milling station
37-027106	–	RN-I-1	Precontact quartzite core isolate
37-027107	–	RN-I-2	Precontact lithic flake isolate
37-027108	–	RN-I-3	Precontact lithic flake isolates
37-027109	–	RN-I-4	Precontact lithic flake isolate
37-027193	–	Adam Beaty Farmhouse	Historic single family property
37-027719	–	W-I-1	Precontact core fragment isolate
37-027721	CA-SDI-18002	W-S-1	Precontact two loci bedrock milling site
37-027722	CA-SDI-18003	W-S-2	Precontact two loci bedrock milling site
37-027723	CA-SDI-18004	W-S-3	Precontact two loci bedrock milling site
37-029773	*CA-SDI-19036*	*PH-10-31A*	*Precontact bedrock milling site with associated artifact scatters (Subsumes CA-SDI-19037)*
37-029774	*CA-SDI-19037*	*PH-10-31B*	*Precontact bedrock milling site with associated artifact scatters (Subsumed by CA-SDI-19036)*
37-029775	CA-SDI-19038	PH-11-08	Precontact bedrock milling site with associated groundstone tool. Possible hearth feature within the site
37-030222	CA-SDI-19254	S-S-10	Precontact artifact scatter

Resources within One Mile of the Proposed Project

*Resources in Bold/Italics are within **Physical** APE/API*

P-number	Trinomial	Other ID (USFS, Old Site #, Temp ID)	Description
37-030956	CA-SDI-19646	SDGE TL 6914 Temp Site #3	Precontact bedrock milling site
37-031177	CA-SDI-19753	Temp 2	Historic defunct paved road, a series of mortared walls, a bridge, a cement foundation with octagonal cement feature and rectangular cement cap, a metal pipe protruding from the ground, and a small cement staircase.
37-031202	CA-SDI-19775	BW-142	Precontact low density lithic scatter containing groundstone fragment, core tool and debitage
37-031203	CA-SDI-19776	BW-161	Precontact lithic scatter and rock alignment
37-031204	CA-SDI-19777	BW-171	Precontact bedrock milling site with associated ceramic sherds
37-031206	*CA-SDI-19779*	*SPPA-S-1*	*Historic can dump containing a metal bucket, sanitary can, and green bottle glass fragments*
37-031212	*–*	*BW-53*	*Historic stacked rock cairns*
37-031217	CA-SDI-19789	BW-110	Precontact bedrock milling site
37-031221	CA-SDI-19793	SPAP-S-10	Precontact bedrock milling site
37-031717	*–*	*BW-I-270*	*Precontact biface fragment isolate*
37-031744	CA-SDI-20166	LP-1	Precontact bedrock milling site
37-031970	*CA-SDI-20239*	*SCJ-2*	*Precontact artifact scatter (groundstone, quartz core, quartz debitage)*
37-032657	CA-SDI-20695	STR-1	Historic concrete dam and associated metal pipes and drains
37-033365	–	SRPL-BM-106	Historic stacked rock ring
37-035235	CA-SDI-21771	CBR-P275746-S-1	Precontact bedrock milling site
37-036512	*–*	*Tie Line 625*	*Historic Transmission Line*
37-038271	CA-SDI-22594	MVP-S-001	Precontact bedrock milling site
37-038272	–	MVP-S-002	Precontact quartz flakes and pottery sherd
37-038347	CA-SDI-22627	CCFB #1	Precontact bedrock milling site with associated lithic flake
37-038348	–	CCFB #2	Historic ceramic pottery shard isolate
37-039844	CA-SDI-23270	50128-H-001	Historic rock wall, fencepost, and overgrown unpaved road segment
37-040323	CA-SDI-23374	CSD-06.28-S-001	Precontact bedrock milling site
37-040649	CA-SDI-23471	HM-S-1	Precontact bedrock milling site
37-040650	CA-SDI-23472	HM-S-2	Precontact lithic scatter

Reports within One Mile of the Proposed Project

*Reports in Bold/Italics are within **Physical** APE/API*

Report Number	NADB ID	Report Year	Report Title	Report Author or Report Publisher
SD-00031	1120031	1979	Cultural Resources Field Report Application 25859.	Division of Water Rights
SD-00045	1120045	1980	Drewe Lot Split Archaeology and Biology Survey Reports TPM 15840 EAD Log # 79-21-9 Tierra Del Sol, California.	Advanced Planning and Research Associates
SD-00075	1120075	1981	Archaeological And Biological Reconnaissance of the Mc Cabe Property TM4273 EAD Log #81-15-9	American Pacific Environmental Consultant, Inc.

Reports within One Mile of the Proposed Project

*Reports in Bold/Italics are within **Physical** APE/API*

Report Number	NADB ID	Report Year	Report Title	Report Author or Report Publisher
SD-00184	1120184	1979	Results of a Phase II Archaeological Study on the B&R Property Crest, California	Archaeological Consulting and Technology
SD-00282	***1120282***	***1978***	***Archaeological Reconnaissance of Jenny Property, Alpine.***	***WESTEC Services, Inc.***
SD-00293	1120293	1977	Archaeological Investigation of TPM 13476 Willows Road Alpine, California.	WESTEC Services, Inc.
SD-00345	1120345	1978	Archaeological And Historical Survey of the Dewitt Estates Project.	WESTEC Services, Inc.
SD-00353	***1120353***	***1974***	***Archaeological Survey of the Alpine Heights Project #3060.***	***WESTEC Services, Inc.***
SD-00544	1120544	1975	An Archaeological Survey of a Portion of the Proposed 69 kV Transmission Line Route Between Los Coches Substation and Alpine Substation	Dr. Paul H. Ezell
SD-00583	1120583	1978	Archaeological Investigations at Palo Verde Ranch, Units 1 And 2, Alpine California.	WESTEC Services, Inc.
SD-00623	***1120623***	***1976***	***Archaeological Survey for the Crest Retone, Crest California Project #Uj0183***	***County Dept. of Transportation***
SD-00924	1120924	1978	Archaeological Survey and Initial Subsurface Test of the Howland Lot Split Crest, California	Flower, Ike, & Roth Archaeological Consultants
SD-01174	***1121174***	***1989***	***Cultural Resource Survey Report Form Japatul Road.***	***RECON***
SD-01261	1121261	1974	An Archaeological Survey of some Rock Circles in the Japatul Valley, San Diego County, California.	San Diego State University
SD-01298	1121298	1982	Phase I Archaeological Investigation for Palo Verde Ranch Developments Units 2 through 10.	WESTEC Services, Inc.
SD-01517	1121517	1978	Mapping Operations at SDM-W-1123 (SDI-4666) on the Oakridge Property Near Alpine, San Diego County, CA.	Archaeological Associates, Inc.
SD-01626	1121626	1978	Archaeological And Biological Surveys of the Rancho Montana Project San Diego County, California	WESTEC Services, Inc.
SD-01692	1121692	1984	Cultural Resources Inventory for the 1984 and Part of 1985 California Metropolitan Project Area Public Lands Sale Program	Bureau of Land Management
SD-01713	1121713	1979	Archaeological Investigations for the Reimetz Lot Split at W-1856 Alpine, California	WESTEC Services, Inc.
SD-01773	1121773	1989	An Archaeological Survey and Evaluation of Cultural Resources at the 32-Acre Hale/Burdman Property	Brian F. Smith and Associates
SD-01833	1121833	1986	Site Significance Testing For W-16786 (SDI-5773) Alpine, California	WESTEC Services, Inc.
SD-01917	***1121917***	***1978***	***Cultural Resources Inventory and Impact Analysis of the Winn Property***	***RECON***
SD-01934	***1121934***	***1973***	***Palo Verde Ranch Location and Evaluation of Archaeological Resources***	***WESTEC Services, Inc.***

Reports within One Mile of the Proposed Project

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Report Number	NADB ID	Report Year	Report Title	Report Author or Report Publisher
SD-01950	1121950	1990	An Archaeological Survey of the Gretler Lot Split Project Crest County of San Diego TPM 19675, EAD Log #90-14-45	Brian F. Smith and Associates
SD-01986	***1121986***	***1974***	***APS/SDG&E Interconnection Project Transmission System Environmental Study Phase Two Corridor Studies Cultural Resources: Archaeology Appendices***	***Wirth Associates***
SD-02023	1122023	1978	Alpine Ranch Subdivision TM #3796, EAD Log # 77-14-280 Alpine, California	Advance Planning & Research Associates
SD-02026	1122026	1980	Sequan Estates, TM #3953; EAD Log #79-14-107, Alpine, California	Advance Planning & Research Associates
SD-02029	***1122029***	***1981***	***Draft Environmental Impact Report - Rancho View Properties Subdivision, EAD Log #79-14-140 Crest, California***	***Advance Planning & Research Associates***
SD-02116	1122116	1989	Draft Environmental Impact Report Tully General Plan Amendment Alpine Community Plan Update (GPA 89-03)	TMI Environmental Services
SD-02138	1122138	1981	Focused Environmental Impact Report Hidden Mobil Home Park P80-120, Log#81-14-3	National Pacific Development Corporation
SD-02152	***1122152***	***1987***	***Crestridge Specific Plan EIR EAD Log#87-GP-1 Supplemental Information***	***A.D. Hinshaw Associates***
SD-02290	1122290	1991	Results of an Archaeological Survey and Evaluation of Cultural Resources at the Memorial Estates Cemetery Project	Brian F. Smith and Associates
SD-02303	1122303	1990	Archaeological Survey of Degen Subdivision Project, Crest, County of San Diego	Brian F. Smith and Associates
SD-02320	1122320	1992	Cultural Resource Survey of the Moss Property	Roth and Associates
SD-02437	1122437	1990	Draft Environmental Impact Report for Rancho Montana	RECON
SD-02531	1122531	1979	Archaeological Survey for the Walden Park Development Project	RECON
SD-02717	1122717	1977	An Archaeological Reconnaissance of the Proposed Alpine Ranch Subdivision	John R. Cook
SD-02739	1122739	1991	Draft EIR for the Proposed Deletion of the Greenfield Drive Extension from the Circulation Element of the San Diego General Plan Log # 91-GP-3	BRG
SD-02775	1122775	1993	Hidden Glen Boundary Adjustments and Road Vacation	Zucker Systems
SD-02956	1122956	1991	[No Title Given to SCIC]	RMW Paleo
SD-02989	1122989	1996	Letter Report - Capping of Prehistoric Site Ca-SDI-9775 for the East County Square Project	Gallegos & Associates

Reports within One Mile of the Proposed Project

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Report Number	NADB ID	Report Year	Report Title	Report Author or Report Publisher
SD-02993	1122993	1995	Historical/Archaeological Test Report for Sites CA-SDI-9774, CA-SDI-9775, CA-SDI-13187, and CA-SDI-13188 and Survey for the Off-Site Water Reservoir, East County Square Development, San Diego County, California	Gallegos & Associates
SD-03148	1123148	1994	Technical Appendices to Draft Environmental Impact Report for the Proposed East County Squard Specific Plan, General Plan Amendment and Major Use Permit	Lettieri, Mcintyre, And Assoc.
SD-03335	***1123335***	***1996***	***Archaeological Survey and Testing Program for Loveland Reservoir Fishing Access San Diego County, California***	***Affinis***
SD-03386	1123386	1993	Environmental Impact Report for the Proposed Stagecoach Ranch Specific Plan SP 91-002, TM 4974 LOG No. 91-14-13	Lettieri-Mcintyre and Associates
SD-03411	***1123411***	***1976***	***Results of an Archaeological Survey of the Oakridge Properties***	***Charles Bull***
SD-03424	1123424	1995	Cultural Resource Survey of a Portion of the Cleveland National Forest	RECON
SD-03618	1123618	1999	Archaeological Records Review for the Deer Canyon Gravity Sewer Alignment San Diego, California	Helix Environmental Planning, Inc
SD-03836	***1123836***	***1984***	***Southwest Powerlink Cultural Resources Management Plan***	***Wirth Environmental Services***
SD-04189	***1124189***	***1991***	***Cultural Resources Survey for the SDG&E El Cajon-Descanso 69kV Electric Transmission Line Dehesa to Hidden Glen, San Diego County, California***	***John Whitehouse (Affinis)***
SD-04582	***1124582***	***1981***	***Draft (Focused) Environmental Impact Report Rancho View Properties Subdivision TM 3976, EAD Log #79-14-140 Crest, California***	***Wolff Development Company***
SD-04623	1124623	1984	Draft Environmental Impact Report David Shaub, Estate of Florence Byk and Mousa Namvar	William A. Steen & Associates
SD-04688	1124688	1989	The Results of an Archaeological Survey of the Bermuda Hills Project	Smith, Brian
SD-04736	1124736	1994	Historic Property Survey Report for the Rancho Minitana Biological Mitigation Parcel for the State Route 54 and 54/125 Projects, San Diego County, California (11-SD-54 P.M. 1.8-5.4 11208-010130 11-SD-125/11-SD-54 P.M. 11R-R15.6/5.3-6.7 1120	Debra Dominici
SD-04849	***1124849***	***1980***	***APS/SDG&E Interconnection Project System Environmental Study Phase II Corridor Studies Native American Cultural Resources.***	***Wirth Associates***
SD-04898	***1124898***	***1976***	***Draft Environmental Impact Report for Oakridge Units 1,2,& 3.***	***RECON***

Reports within One Mile of the Proposed Project

*Reports in Bold/Italics are within **Physical** APE/API*

Report Number	NADB ID	Report Year	Report Title	Report Author or Report Publisher
SD-05892	1125892	2002	Negative Cultural Resources Survey Report for TPM 20657; ER Log No. 02-14-003; APN 404-131-05 Signorelli TPM Negative Findings	San Diego County Dept. of Planning and Land Use
SD-06276	***1126276***	***1999***	***Cultural Resource Survey and Evaluation for Ted Cristensen; Alpine, California***	***Mooney & Associates***
SD-06277	***1126277***	***2000***	***Cultural Resource Survey and Evaluation for Afton Alps Estates; Alpine California.***	***Mooney & Associates***
SD-06719	1126719	1977	Letter Report: Historic Site SDM-W-1170	Charles Bull
SD-06738	1126738	1997	Archaeological Information: Shadow Park Subdivision	Cultural Resource Management
SD-07167	***1127167***	***1994***	***Archaeological Mitigation: TPM-20037-RPC***	***Cultural Resource Management***
SD-07682	1127682	2001	An Archaeological Survey and Evaluation of Cultural Resources for the O'Brien Subdivision (Peterson Residential Subdivision) County of San Diego	Brian F. Smith and Associates
SD-07988	1127988	2002	Cultural Resource Assessment AT&T Wireless Services Facility No. 10101A San Diego County, Ca	LSA
SD-08020	1128020	2002	A Historical Evaluation Report for the Shadow Mountain Ministries Conceptual Master Plan	Brian F. Smith and Associates
SD-08085	1128085	2003	Cultural Resources Survey Report for the Dotts Property	Tierra Environmental Services
SD-08316	1128316	2003	A Historical Evaluation Report for the Shadow Mountain Ministries Conceptual Master Plan City Of El Cajon.	Brian F. Smith and Associates
SD-08433	1128433	2003	Negative Cultural Resources Survey Report for Field Tentative Parcel Map; TPM20737; Log No. 03-14-020; APN #520-151-21; Negative Findings	County of San Diego Depart. of Planning and Land Use
SD-08501	1128501	1978	Archaeological Survey Report TM3860, EAD Log #78-14-261 Crest, California	Archaeological Associates
SD-08509	1128509	1984	Cultural Resource Survey Report Form for the Westfield Archaeology Study	ASM Affiliates, Inc.
SD-08565	1128565	1978	Subsurface Test and Open Space Easement Delineation Of W-417 Appendix to Archaeological Survey and Initial Subsurface Test of the Howland Lot Split Crest, California	FIR
SD-08571	1128571	1979	Archaeological Survey of the B&R Development Project, Crest-Dehesa	WESTEC Services, Inc.
SD-08574	1128574	1981	Archaeological And Biological Reconnaissance of the McCabe Property	Apec, Inc.
SD-08811	1128811	2003	Cultural Resources Survey Report for the Dotts Property, San Diego County, California, TM 5300/ Log No. 02-14-054	Tierra Environmental Services

Reports within One Mile of the Proposed Project

*Reports in Bold/Italics are within **Physical** APE/API*

Report Number	NADB ID	Report Year	Report Title	Report Author or Report Publisher
SD-08844	1128844	2003	Negative Cultural Resources Survey Report for TPM 20767, Log No. 03-14-050, Sargent APN 401-171-19, Negative Findings	County of San Diego Dept. of Planning & Land Use
SD-08847	1128847	2003	Cultural Resources Reconnaissance for the Overton Trust Parcel, Crest, San Diego County, California	SWCA Environmental Consultants
SD-08985	***1128985***	***2003***	***Cultural Resource Study for the Kearney Property, Crest, San Diego. TPM 20715rpl/Log No. 03-14-001***	***ASM Affiliates***
SD-09001	1129001	2004	Cultural Resources Survey of A 20-Acre Parcel, Crest, San Diego County, California	[no author/publisher specified]
SD-09268	1129268	2003	An Archaeological Survey of the Crest View Properties, San Diego County, California	Andrew R. Pigniolo
SD-09269	1129269	2003	Cultural Resource Survey of the Kemerko TPM Project, Harbison Canyon, San Diego County, California	Andrew R. Pigniolo
SD-09371	1129371	2005	Cultural Resourcs Survey Report for TPM 20899 Log # 04-14-049, Dyke Minor Subdivision, APN 509-200-11	County Of SD, Dept. of Planning and Land Use
SD-09407	1129407	2005	Cultural Resources Survey Report for TPM 20743, Log 03-14-028-Crocker Minor Subdivision, APN 404-111-26	County of San Diego
SD-09516	1129516	2005	The Cemeteries and Gravestones of San Diego County: An Archaeological Study	David Caterino
SD-09762	1129762	2005	Final Cultural Resource Report of Test Excavations at 1998 La Cresta Road El Cajon, California	RECON
SD-09810	1129810	1996	Historical And Architectural Assessment of the Adam Beaty Farmhouse (TM 5085)	Brian F. Mooney and Associates
SD-09989	1129989	2006	Cultural Resource Survey of the Burstyn Subdivision Project, Crest, San Diego County, California	Laguna Mountain Environmental
SD-10290	1130290	2005	Cultural Resource Records Search and Site Visit Results for Cingular Telecommunications Facility Candidate SS-634-01 (Crest Water Tank), 515 Alta Lane, El Cajon, San Diego County, California	Michael Brandman Associates
SD-10341	1130341	2006	Cultural Resource Survey of the Bursztyn Subdivision Project, San Diego County, California	Laguna Mountain Environment, Inc.
SD-10342	1130342	2005	Cultural Resource Survey of the Price Subdivision Project, Crest, San Diego County, California	Laguna Mountain Environmental, Inc.
SD-10387	1130387	2004	Cultural Resources Summary and Preliminary Assessment for the 1,166-Acre Singing Hills Estates Project, San Diego County, California	Professional Archaeological Services

Reports within One Mile of the Proposed Project

*Reports in Bold/Italics are within **Physical** APE/API*

Report Number	NADB ID	Report Year	Report Title	Report Author or Report Publisher
SD-10432	***1130432***	***2006***	***Cultural Resources Sensitivity Analysis for the Carryover Storage and San Vicente Dam Raise Project (CSP) Alternatives Analysis***	***ASM Affiliates, Inc.***
SD-10455	1130455	1991	Results of an Archaeological Survey and the Evaluation of Cultural Resources at the Memorial Estates Cemetery Project El Cajon, County of San Diego P-90-013, Ead Log # 90-14-22	Brian F. Smith and Associates
SD-10456	1130456	1994	Cultural Resource Assessment for Archaeology Open Space Easement Vacation, Sdi-6021 Located At 2444 Chicory Lane El Cajon, California	TMI Environmental Services
SD-10476	1130476	1974	Archaeological Reconnaissance of Rezone Request R74-53	Richard L. Carrico
SD-10488	1130488	1978	Archaeological Survey of the Rancho Montana Project San Diego County, California	Westec Services, Inc.
SD-10490	1130490	1984	Forgotten People, Forgotten Places: Historical Documentation of the Mount Pisgah Cemetery, Alpine, California TPM 187203 Log 84-14-25	Westec Services, Inc.
SD-10493	***1130493***	***1981***	***Evaluation of Archaeological Sites: SDM-W-1121, SDM-W-1122a, SDM-W-1122b, SDM-W-1122c and SDM-W-1123 Oakridge, San Diego County, California***	***RECON***
SD-10551	1130551	2006	Cultural Resources Final Report of Monitoring and Findings for the Qwest Network Construction Project, State of California	SWCA Environmental Consultants
SD-10555	1130555	1989	Results of Archaeological Survey and Initial Test Excavations of 12 Acre Mosiman Project, Alpine, San Diego County, California	Roth and Associates
SD-10930	***1130930***	***1996***	***Archaeological Survey and Testing Program for Loveland Reservoir Fishing Access, San Diego County, CA***	***Affinis***
SD-10956	1130956	2004	Negative Cultural Resources Survey Report for the Quail Ridge Subdivision In La Cresta, San Diego County, California	Brian F. Smith and Associates
SD-11209	1131209	2006	Cultural Resources Survey Report for the Walls Property, San Diego County, California	Tierra Environmental Services
SD-11413	1131413	2007	Cultural Resources Survey Report for Ward - TPM 21099, Log No. 07-140-13, APN 509-242-03 - Negative Findings	County Of San Diego - Department of Planning and Land Use
SD-11431	1131431	2007	Cultural Resource Records Search and Site Visit Results for T-Mobile Telecommunications Facility Candidate SD06270A (Crow's Nest), 987 Crow's Nest Lane, El Cajon, San Diego County, California	Michael Brandman Associates

Reports within One Mile of the Proposed Project

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Report Number	NADB ID	Report Year	Report Title	Report Author or Report Publisher
SD-11705	1131705	2004	Cultural Resource Survey of the Albers Minor Residential Subdivision, San Diego County, California	Laguna Mountain Environmental, Inc.
SD-11758	1131758	2008	Archaeological Resources Study, Park Alpine, Alpine, San Diego County, California, TM 5433	Affinis Environmental Services
SD-11977	***1131977***	***2008***	***Final Cultural Resources Survey of Alternatives for the Sunrise Powerlink Project in Imperial, Orange, Riverside, And San Diego Counties, California***	***SWCA***
SD-12046	***1132046***	***2008***	***Cultural Resource Study of the Modified Route D Substation and Access Road for the SDG&E Sunrise Powerlink Project, San Diego County, California***	***Gallegos & Associates***
SD-12169	1132169	2009	Inventory of the Cultural Resources Along San Diego Gas & Electric Tie Line 625 On Non-Federal Property for the Wood to Steel Pole Replacement Project, San Diego County, California	ASM Affiliates, Inc.
SD-12181	1132181	2009	Sunrise Powerlink Incident Report of Findings	KP Environmental
SD-12208	1132208	2009	Cultural Resources Survey for the SDG&E Alpine Pole Replacement Project (Pole 275744), Alpine, San Diego County, California	ASM Affiliates
SD-12241	1132241	2009	Negative Cultural Resources Survey Report for Harper TPM 21164	County of San Diego Department of Planning and Land Use
SD-12405	1132405	2008	An Archaeological Assessment of the Covert Canyon Project, San Diego County, California	Brian F. Smith & Associates
SD-12471	1132471	2009	Cultural Resources Survey for the SDG&E TLA Pole Replacement Project in the Hidden Glen Area of Alpine, San Diego County, California (eTS 8511)	ASM Affiliates
SD-12488	1132488	2009	Cultural Resources Survey for the SDG&E Pole Replacement Project in Japatul Valley, San Diego County, California (eTS 8660)	ASM Affiliates
SD-12535	1132535	2009	Cultural Resource Records Search Results and Site Visit for Cricket Communications Candidate San-256a (Alpine Plumbing), 2358 "D" Tavern Road, Alpine, San Diego County, California	Michael Brandman Associates
SD-12536	1132536	2009	Cultural Resource Records Search Results and Site Visit for Cricket Communications Candidate San-560 (Rainbow Farms), 1335 La Cresta Boulevard, El Cajon, San Diego County, California	Michael Brandman Associates

Reports within One Mile of the Proposed Project

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Report Number	NADB ID	Report Year	Report Title	Report Author or Report Publisher
SD-12616	1132616	2010	A Phase I Cultural Resources Survey of the Greater Alpine Fire Safe Council Editha Fuels Treatment Buffer Project San Diego County, California	Brian F. Smith and Associates
SD-12711	***1132711***	***2010***	***Final Inventory Report of the Cultural Resources Within the Approved San Diego Gas & Electric Sunrise Powerlink Final Environmentally Superior Southern Route, San Diego and Imperial Counties, California***	***ASM Affiliates***
SD-13391	***1133391***	***2011***	***eTS #21744, Cultural Resources Monitoring for the Wood Pole Intrusive Inspections, 45 Poles, Alpine Project, San Diego, California (HDR #168414)***	***HDR, Inc.***
SD-13398	1133398	2011	eTS #21941, Cultural Resources Monitoring for the Wood Pole Inspections, 8 Poles, Valley View Truck Trail Project, San Diego County, California (Hdr #172447)	HDR, Inc.
SD-13399	1133399	2011	eTS #21946, Cultural Resources Monitoring for the Wood Pole Inspections, 11 Poles, Suncrest Truck Trail Project, San Diego County, California (HDR #172454)	HDR, Inc.
SD-13610	1133610	2009	eTS #8032; Cultural Resource Survey for the Replacement Of Three Distribution Poles in Central Inland San Diego County, California	E2M
SD-13651	1133651	2010	eTS #8789; Tl 678 Wood to Steel and Reconductor, Los Coches to Alpine Substations, Cultural Resources Inventory Report	HDR/ E2M
SD-13682	1133682	2008	Pole Replacement, P275747, Hidden Glen	E2M
SD-13703	1133703	2009	Cultural Resources Review for the Crest Eti Corral 18 (Sot-Np) New Pole At 2466 Park Drive	E2M
SD-13810	1133810	2000	Archaeological Resources Survey and Assessment, Rios Canyon Ranch, El Cajon, San Diego County, California	Affinis
SD-13952	1133952	2003	Archaeological Resources Survey, La Cresta, San Diego County, California	Affinis
SD-14024	1134024	2012	Archaeological Survey Report for the Stoneridge Preserve, San Diego County, California	ASM Affiliates, Inc.
SD-14276	1134276	2012	Letter Report: eTS 23174- Cultural Resources Survey and Monitoring for the Replacement of Pole P275746, Alpine, San Diego County, California- IO 7011102	AECOM
SD-15032	1135032	2005	Cultural Resource Survey of the Rancho Nuevo Project, Phase 1, San Diego County, California	Laguna Mountain Environmental, Inc.

Reports within One Mile of the Proposed Project

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Report Number	NADB ID	Report Year	Report Title	Report Author or Report Publisher
SD-15033	1135033	2005	Cultural Resource Survey of the Rancho Nuevo Project, Phase 2, San Diego County, California	Laguna Mountain Environmental, Inc.
SD-15067	1135067	2008	Cultural Resources Survey, Testing, And Evaluation of the Kemerko TPM Project, Harbison Canyon, San Diego County, California	Laguna Mountain Environmental, Inc.
SD-15068	1135068	2006	Archaeological Record Search for the Crest Biological Mitigation Bank Project	Laguna Mountain Environmental, Inc.
SD-15161	1135161	2012	eTS # 22295, Cultural Resources Survey for the CMP Pole Replacement, P272619, Harbison Canyon Project, San Diego County, California (HDR # 181694)	HDR
SD-15709	1135709	2013	Cultural Resource Records Search and Site Survey, AT&T Site SD0330 Alpine Heights 2598 Dortmund Place, Alpine, San Diego County, California 91901 CASPR#3601660827	Ace Environmental
SD-15720		2014	Cultural Resource Monitoring Results for the Lilac Ranch Road TPM 20843 Project, Alpine, San Diego, California	Laguna Mountain Environmental
SD-15867	1135867	2014	Cultural Resource Records Search and Site Visit Results for Verizon Wireless Candidate 'La Cresta', 515 Alta Lane, El Cajon, San Diego County, San Diego County, California	First Carbon Solutions
SD-16465	1136465	2016	Letter Report: eTS 33430 - Cultural Resources Survey for Activities for Poles P573925, P573926, P102389, City Of El Cajon, San Diego County, California - IO 7074264	AECOM
SD-16812	1136812	2016	Cultural Resource Survey for the San Diego Back Country Fuel Reduction Project, Alpine, San Diego County, California	James and Briggs Archaeological Services
SD-16997	***1136997***	***2017***	***Cultural Resources Survey Report for Gabrielson Residential Minor Grading PDS2017-LDGRMN-20130 APN# 521-060-22 Negative Findings***	***County of San Diego***
SD-17164	1137164	2014	Cultural Resources Survey for the Covert Canyon Project, San Diego County, California	Dudek
SD-17170	1137170	2017	Results of the Cultural Resources Monitoring for Replacement of Pole P271284 Located in Alpine, California	Chambers Group
SD-17259	1137259	2015	Cultural Resources Monitoring Results for AT&T Site SD0840, Alpine, San Diego County, California (BCR Consulting Job No. ACE)	BCR Consulting, LLC
SD-17324	1137324	2018	Cultural Resources Survey Report for Mountain View TPM PDS2017-TPM-21259 APN# 401-090-85 Negative Findings	County of San Diego Planning & Development Services

Reports within One Mile of the Proposed Project

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Report Number	NADB ID	Report Year	Report Title	Report Author or Report Publisher
SD-17812	***1137812***	***2019***	***An Archaeological Survey Report for the Crest Community Fuel Break, Noe San Diego, California***	***Cal Fire***
SD-17985	1137985	2019	Archaeological Survey of Group Iv Cultural Poles for Sdg&E's Prime Pole Replacement Project, San Diego County, California (SDG&E eTS # 40811, PanGIS Project #1401.116)	PanGIS, Inc.
SD-18141	1138141	2019	Letter Report: eTS 42441 - Cultural Resources Survey for Prime, Tier 2, C357C, Pole Replacement, 15 Poles, Alpine, California	AECOM
SD-18142	1138142	2019	Letter Report: eTS 42634 - Cultural Resources Survey for Prime, Tier 2, C0357D, 8 Poles, Alpine, California	AECOM
SD-18290	***1138290***	***2016***	***Historic Properties Management Plan/Historic Properties Treatment Plan for the Cleveland National Forest Master Special Use Permit and Permit to Construct Powerline Replacement Projects, Final Version***	***NWB Environmental Services; ASM Affiliates***
SD-18317	1138317	2018	Cultural Resources Study for the Alpine Rancho Palo Verde Project, San Diego County, California (Pds2018-Ic-18-006)	Brian F. Smith and Associates, Inc.
SD-18594	1138594	2020	Cultural Resources Survey for the San Diego Gas & Electric C73 Firm Project, Ftzap Fast Track, Descanso, San Diego County, California (SDG&E ETS #42416.04; ASM Project #23007.66)	ASM Affiliates
SD-18614	1138614	2020	Letter Report: eTS 33197.02 - Cultural Resources Survey for Firm C357 Section G Ft, Community of Alpine, San Diego County, California - Io 200543282	AECOM
SD-18767	1138767	2019	Letter Report: eTS 39176 - Cultural Resources Monitoring of Tree Trimming at Pole Z873730, Harbison Canyon, San Diego County, California - Io 7074265	ICF
SD-19406	1139406	2021	Cultural Resources Study for the Secret Hills Ranch Project, San Diego County, California (PDS2020-LDGRMJ-30253; APN 520-060-18)	Brian F. Smith and Associates, Inc.
SD-19453	1139453	2020	AECOM/ASM Wildfire Fuels Mitigation Project, San Diego County, California 2020 Annual Report (ASM P/N 33360)	ASM Affiliates
SD-19489	1139489	2021	Letter Report: eTS 50128 - Positive Cultural Resources Survey for Vegetation Trimming and Replacement Activities for Pole P470090, Crest, San Diego County, California - IO 5900045264	ICF
SD-19497	1139497	2021	D201700240.38 Alpine County Park Monitoring	ESA

Reports within One Mile of the Proposed Project

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Report Number	NADB ID	Report Year	Report Title	Report Author or Report Publisher
SD-19557	1139557	2022	ETS 44992: Cultural Resources Monitoring Report for TCM Access Roads, Annual Report 2021, San Diego County, California (ASM #37001.11)	ASM Affiliates, Inc.
SD-19722	1139722	2022	Letter Report: eTS 50128 - Archaeological Monitoring Results for the Replacement of Pole P470090, El Cajon, San Diego County, California	ICF
SD-19814	1139814	2020	Cultural Resource Study for the South Lane Park Property	Helix Environmental Planning
SD-19924	1139924	2020	Phase I Cultural Resources Survey and Inventory of The 98-Acre Alpine Park Project, San Diego County, California	ICF
SD-19925	1139925	2021	Alpine Park Cultural Resources Testing Report	ICF
SD-20155	1140155	2022	Archaeological Monitoring for the SDG&E Rush, CMP, Pole Replc, P271286, Alpine, San Diego County, California (SDG&E eTS #52533)	NWB Environmental Services, LLC
SD-20180	1140180	2023	ETS 6160301: Cultural Resources Monitoring Report for the SDG&E MUOS Suncrest Substation Battery Project, San Diego County, California (ASM Project #37003.29)	ASM Affiliates

APPENDIX **E**

Confidential DPR Forms

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APPENDIX F
Non Confidential Built Environment DPR Forms

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State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 of 6 ***Resource Name or #:** 115 La Cresta Road
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**
***a. County:** San Diego and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** El Cajon 1979 T 15 S R **1 E** M.D. **B.M.**
c. Address 115 La Cresta Road City El Cajon Zip 92021
d. UTM: (give more than one for large and/or linear resources) Zone 11S 510278 mE/ 3635213 mN
e. Other Locational Data: (e.g., parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The building at 115 La Cresta Road, constructed in 1935, is a single-story rectangular plan building with horizontal wood-panel siding. It has a front gable roof clad in asphalt shingles and wide eaves on the west façade. The primary, north façade has a single wooden door covered by a metal screen door and a small, fixed aluminum-frame window with decorative wooden shutters. The west facade is characterized by two sliding glass doors, a large, fixed wood-framed window, and a wooden deck that extends from it. The south façade is defined by another sliding glass door and three horizontal sliding aluminum-framed windows with an addition. The east façade was not accessible or visible for the survey. Major alterations to the building include an addition that extends from the south façade.

(continued on p. 6)

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single family property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession#)
Overview of 115 La Cresta Road, view looking east.
July 23, 2025

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1935
San Diego County Assessor Office

***P7. Owner and Address:**

***P8. Recorded by:** (Name, affiliation, and address)
Emily Steele
ASM Affiliates, Inc.
2701 Loker Ave W Suite 145
Carlsbad, CA 92010

***P9. Date Recorded:** July 23, 2025

***P10. Survey Type:** (Describe) Pedestrian intensive

***P11. Report Citation:** Miller, Andrew, Shannon Davis, Terrence Luévano, Rachel Ruston, Emily Steele, and Erica Esquer. 2025. *Cultural Resources Technical Report for the Suncrest 230 kV Loop-In Project*. Prepared by ASM Affiliates for Insignia Environmental.

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE, AND OBJECT RECORD

Primary # _____
HRI # _____

***NRHP Status Code** 6Z
***Resource Name or #** (Assigned by recorder) 115 La Cresta Road

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Single family property
B4. Present Use: Single family property
***B5. Architectural Style:** Vernacular
***B6. Construction History:** **(Construction date, alterations, and date of alterations)**

The building was constructed in 1935. Major changes to the building include an addition on the south façade.

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** N/A **Original Location:** N/A
*B8. Related Features:
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** Architecture, Community Planning and Development **Area:**
Period of Significance: 1935-1990 **Property Type:** Single family property **Applicable Criteria:** N/A

ASM considered the significance of the building at 115 La Cresta Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 115 La Cresta Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1935, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 115 La Cresta Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County, and therefore is recommended not eligible for the NRHP under Criterion A.

(continued on p. 6)

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:
See Reference section of report

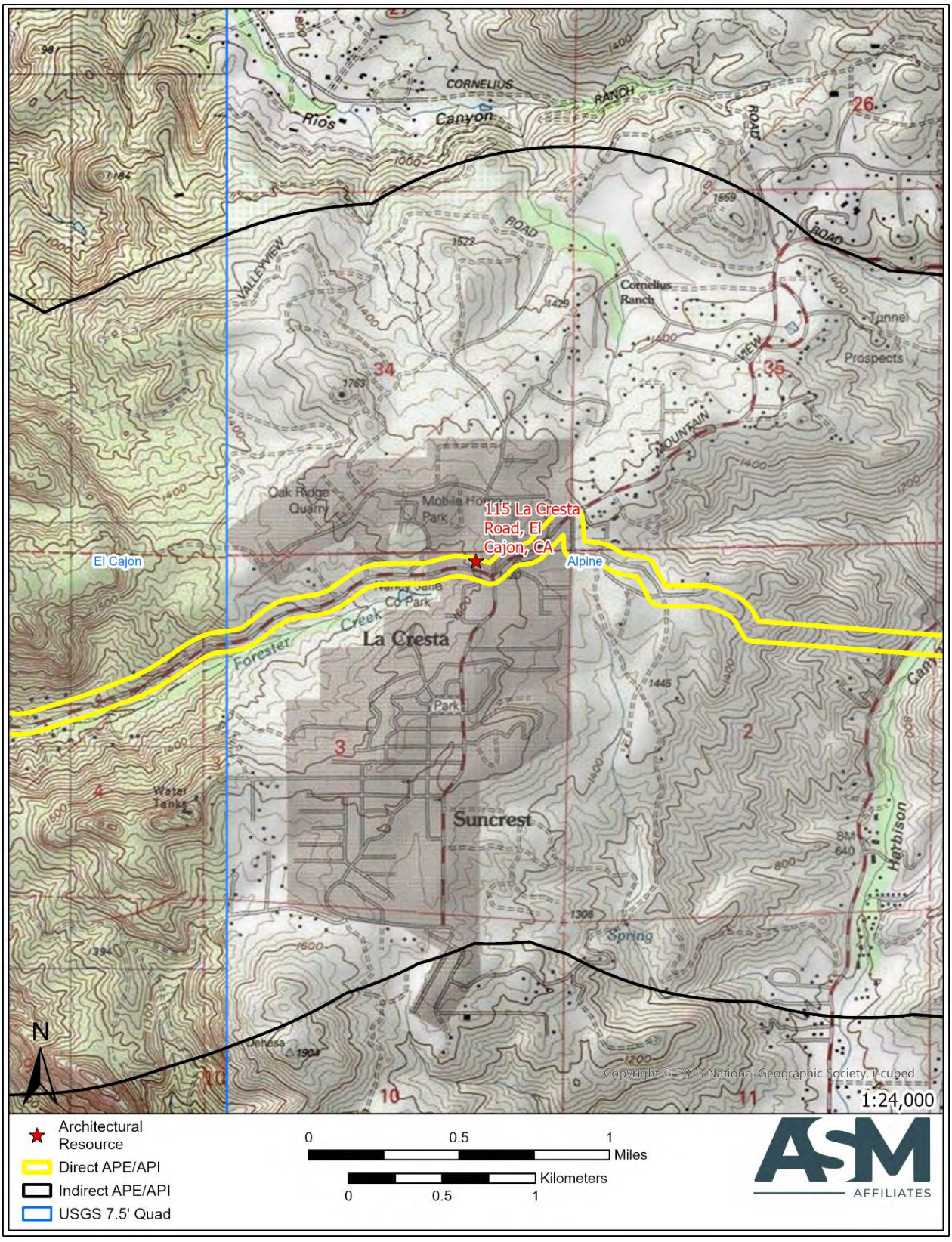
B13. Remarks:
***B14. Evaluator:** ASM Affiliates, Inc. (Emily Steele and Shannon Davis)
***Date of Evaluation:** July 23, 2025.

(This space is reserved for official comments)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 of 6 ***Resource Name or # (Assigned by recorder)** 115 La Cresta Road
***Map Name:** USGS El Cajon, CA 7.5-minute ***Scale:** 1:24,000 ***Date of Map:** August 27, 2025



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary #
HRI #
Trinomial

 ***Resource Name or # (Assigned by recorder)** 115 La Cresta Road
Recorded by: Emily Steele **Date:** July 23, 2025

Image 1. 115 La Cresta Road primary, north façade, view looking southeast.

Image 2. 115 La Cresta Road south portion of west façade, view looking east.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary #
HRI #
Trinomial

Page 5 of 6 ***Resource Name or # (Assigned by recorder)** 115 La Cresta Road
Recorded by: Emily Steele **Date:** July 23, 2025

Image 3. 115 La Cresta Road south façade, view looking northeast.

***P3a. Description:** (continued from p. 1)
115 La Cresta Road is a single-family residence constructed in 1935 that continues to serve its original function. The small rectangular building is one of only a few in the surrounding area that appears on the 1953 historic aerial photograph (Historicaerials.com 1953). An addition was constructed to the southeast corner of the building sometime prior to 1964 (Historicaerials.com 1953, 1964). Since 1964, there have been no major changes on the parcel, but the surrounding area experienced residential development throughout the 1970s (Historicaerial.com 1971, 1978, 2022). No building permits are extant for 115 La Cresta Road, and no additional site-specific history was uncovered through archival research.

***B10. Significance:** (continued from p. 2)
The building at 115 La Cresta Road is recommended not eligible under Criterion B. Historic research conducted through historic newspaper archives, Ancestry.com and public records did not reveal any significant people associated with the property.

The vernacular building at 115 La Cresta Road was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 115 La Cresta Road is recommended not eligible for the NRHP under Criterion C.

Finally, the building at 115 La Cresta Road is recommended not eligible under Criterion D as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 of 6 ***Resource Name or #:** 122 Mountain View Road
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**
***a. County:** San Diego and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** El Cajon 1979 T 15 S R **1 E** M.D. **B.M.**
c. Address 122 Mountain View Road City El Cajon Zip 92021
d. UTM: (give more than one for large and/or linear resources) Zone 11S 512972 mE/ 3630851 mN
e. Other Locational Data: (e.g., parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The building at 122 Mountain View Road, constructed in 1953, is a single-story, rectangular plan building with smooth stucco and brick siding. The front gable roof is clad in asphalt shingles and has wide eaves. The primary, east façade is characterized by a single door with a metal screen on it, three vinyl vertical sliding windows, a brick chimney, and a covered porch. The south façade features four vinyl vertical sliding windows, and the north façade has a small garage addition. The addition has a vinyl rolling garage door with no other fenestration. The west façade was not accessible or visible for the survey. Major alterations to the building include the construction of the addition and replacement of the original windows.

(continued on p. 6)

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single family property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession#)
Overview of 122 Mountain View Way, view looking northwest.
July 23, 2025

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1953
San Diego County Assessor Office

***P7. Owner and Address:**

***P8. Recorded by:** (Name, affiliation, and address)
Emily Steele
ASM Affiliates, Inc.
2701 Loker Ave W Suite 145
Carlsbad, CA 92010

***P9. Date Recorded:** July 23, 2025

***P10. Survey Type:** (Describe) Pedestrian intensive

***P11. Report Citation:** Miller, Andrew, Shannon Davis, Terrence Luévano, Rachel Ruston, Emily Steele, and Erica Esquer. 2025. *Cultural Resources Technical Report for the Suncrest 230 kV Loop-In Project*. Prepared by ASM Affiliates for Insignia Environmental.

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE, AND OBJECT RECORD

Primary # _____
HRI # _____

***NRHP Status Code** 6Z
***Resource Name or #** (Assigned by recorder) 122 Mountain View Road

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Single family property
B4. Present Use: Single family property
***B5. Architectural Style:** Vernacular
***B6. Construction History:** **(Construction date, alterations, and date of alterations)**

The building was constructed in 1953. Changes to the building include replacement of windows and an addition added at an unknown time.

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** N/A **Original Location:** N/A
*B8. Related Features:
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** Architecture, Community Planning and Development **Area:**
Period of Significance: 1953-1990 **Property Type:** Single family property **Applicable Criteria:** N/A

ASM considered the significance of the building at 122 Mountain View Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 122 Mountain View Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property begins in 1953, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 122 Mountain View Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County, and therefore is recommended not eligible for the NRHP under Criterion A.

(continued on p. 6)

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:
See Reference section of report

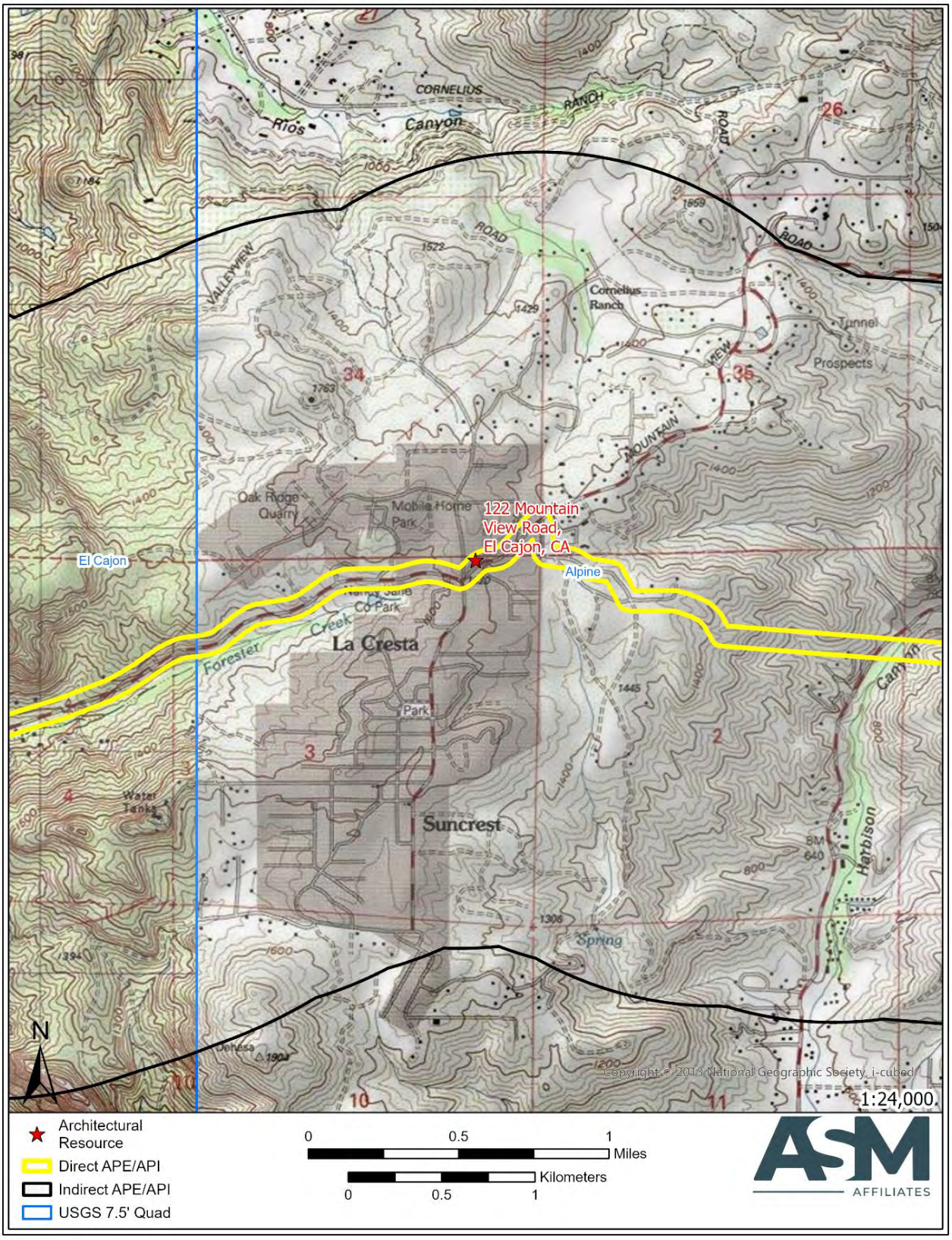
B13. Remarks:
***B14. Evaluator:** ASM Affiliates, Inc. (Emily Steele and Shannon Davis)
***Date of Evaluation:** July 23, 2025.

(This space is reserved for official comments)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 of 6 ***Resource Name or # (Assigned by recorder)** 122 Mountain View Road
***Map Name:** USGS El Cajon, CA 7.5-minute ***Scale:** 1:24,000 ***Date of Map:** August 27, 2025



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary # _____
HRI # _____
Trinomial _____

 ***Resource Name or # (Assigned by recorder)** 122 Mountain View Road
Recorded by: Emily Steele **Date:** July 23, 2025

Image 1. 122 Mountain View Road east façade, view looking west.

Image 2. 122 Mountain View Road south façade, view looking north.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary #
HRI #
Trinomial

 ***Resource Name or # (Assigned by recorder)** 122 Mountain View Road
Recorded by: Emily Steele **Date:** July 23, 2025

Image 3. 122 Mountain View Road north façade, view looking south.

***P3a. Description:** (continued from p. 1)
122 Mountain View Road is a single-family residence constructed in 1953 that continues to serve its original function. The building is one of only a few in the surrounding area that appears on the 1953 historic aerial photograph (Historicaerials.com 1953). The rectangular building remains in its same location with the same building footprint, but the neighborhood has changed with many houses being constructed throughout the 1970s (Historicaerials.com 1971, 1978, 2022). No building permits are extant for 122 Mountain View Road, and no additional site-specific history was uncovered through archival research.

***B10. Significance:** (continued from p. 2)
The building at 122 Mountain View Road is recommended not eligible under Criterion B. Historic research conducted through historic newspaper archives, Ancestry.com and public records did not reveal any significant people associated with the property.

The vernacular building at 122 Mountain View Road was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 122 Mountain View Road is recommended not eligible for the NRHP under Criterion C.

Finally, the building at 122 Mountain View Road is recommended not eligible under Criterion D as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 of 6 ***Resource Name or #:** 128 La Cresta Road
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**
***a. County:** San Diego and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** El Cajon 1979 T 15 S R **1 E** M.D. **B.M.**
c. Address 128 La Cresta Road City El Cajon Zip 92021
d. UTM: (give more than one for large and/or linear resources) Zone 11S 512804 mE/ 3630765 mN
e. Other Locational Data: (e.g., parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The building at 128 La Cresta Road, constructed in 1952, is a single-story, L-shaped building constructed from CMU blocks. The building has a flat roof and limited fenestration. The primary, north façade is characterized by two large rolling metal garage doors and a single glass door. The east and west facades have no windows or doors. The south façade is defined by two more large rolling metal garage doors and an addition with a horizontal sliding aluminum-framed window. The most significant alteration appears to be the addition to the south façade.

(continued on p. 6)

***P3b. Resource Attributes:** (List attributes and codes) HP6. 1-3 story commercial building
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession#)
128 La Cresta Road primary, north façade, view looking southwest
July 23, 2025

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1952
San Diego County Assessor Office

***P7. Owner and Address:**

***P8. Recorded by:** (Name, affiliation, and address)
Emily Steele
ASM Affiliates, Inc.
2701 Loker Ave W Suite 145
Carlsbad, CA 92010

***P9. Date Recorded:** July 23, 2025

***P10. Survey Type:** (Describe) Pedestrian intensive

***P11. Report Citation:** Miller, Andrew, Shannon Davis, Terrence Luévano, Rachel Ruston, Emily Steele, and Erica Esquer. 2025. *Cultural Resources Technical Report for the Suncrest 230 kV Loop-In Project*. Prepared by ASM Affiliates for Insignia Environmental.

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE, AND OBJECT RECORD

Primary # _____
HRI # _____

***NRHP Status Code** 6Z
***Resource Name or #** (Assigned by recorder) 128 La Cresta Road

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Single family property
B4. Present Use: Single family property
***B5. Architectural Style:** Vernacular
***B6. Construction History:** **(Construction date, alterations, and date of alterations)**

The building was constructed in 1952. Major changes to the building include an addition on the south façade.

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** N/A **Original Location:** N/A
*B8. Related Features:
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** Architecture, Community Planning and Development **Area:**
Period of Significance: 1952-1990 **Property Type:** Single family property **Applicable Criteria:** N/A

ASM considered the significance of the building at 128 La Cresta Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 128 La Cresta Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1952, when the building was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 128 La Cresta Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County, and therefore is recommended not eligible for the NRHP under Criterion A.

(continued on p. 6)

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:
See Reference section of report

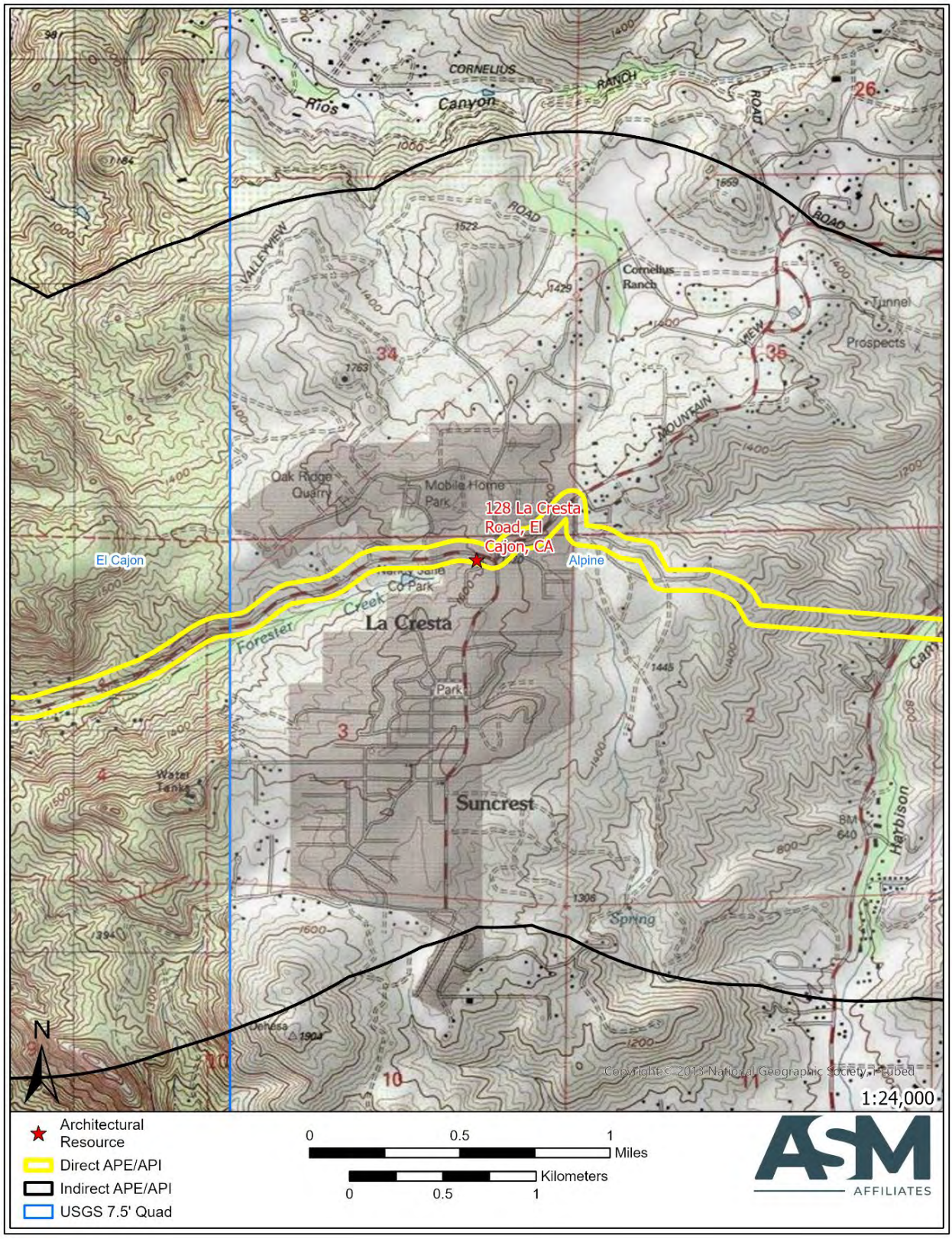
B13. Remarks:
***B14. Evaluator:** ASM Affiliates, Inc. (Emily Steele and Shannon Davis)
***Date of Evaluation:** July 23, 2025.

(This space is reserved for official comments)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 of 6 ***Resource Name or # (Assigned by recorder)** 128 La Cresta Road
***Map Name:** USGS El Cajon, CA 7.5-minute ***Scale:** 1:24,000 ***Date of Map:** August 27, 2025



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary #
HRI #
Trinomial

 ***Resource Name or # (Assigned by recorder)** 128 La Cresta Road
Recorded by: Emily Steele **Date:** July 23, 2025

Image 1. 128 La Cresta Road east façade, view looking northwest

Image 2. 128 La Cresta Road south façade, view looking northwest.

***P3a. Description:** (continued from p. 1)
128 La Cresta Road is a commercial building constructed in 1952 that continues to serve its original function. The small rectangular building is one of only a few in the surrounding area that appears on the 1953 historic aerial photograph (Historicaerials.com 1953). Soon after opening, "Alexander's Automotive Service" was advertising their services at this location (*San Diego Union* 1952). An addition was constructed to the southeast corner of the building sometime between 1999 and 2000 (Historicaerials.com 1999, 2000). Since 1953, there have been no other major changes to the parcel, but the surrounding area experienced residential development throughout the 1970s (Historicaerials.com 1971, 1978, 2022). No building permits are extant for 128 La Cresta Road, and no additional site-specific history was uncovered through archival research.

***B10. Significance:** (continued from p. 2)
The building at 128 La Cresta Road is recommended not eligible under Criterion B. Historic research conducted through historic newspaper archives, Ancestry.com and public records did not reveal any significant people associated with the property.

The vernacular building at 128 La Cresta Road was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. The building has been highly altered since its original construction. Alternations and additions to the building after 1990 have resulted in a building that lacks distinctive characteristics of a type, period, or method of construction. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 128 La Cresta Road is recommended not eligible for the NRHP under Criterion C.

Finally, the building at 128 La Cresta Road is recommended not eligible under Criterion D as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 of 6 ***Resource Name or #:** 141 Sage Road
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**
***a. County:** San Diego and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** El Cajon 1979 T 15 S R **1 E** M.D. **B.M.**
c. Address 141 Sage Road City El Cajon Zip 92021
d. UTM: (give more than one for large and/or linear resources) Zone 11S 513024 mE/ 3630731 mN
e. Other Locational Data: (e.g., parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The building at 141 Sage Road, constructed in 1976, is a single-story rectangular building with horizontal wood siding. The building has a side gable roof clad in asphalt shingles with narrow eaves. The primary, east façade is characterized by a recessed entryway, and a series of five horizontal sliding vinyl windows. The north façade has three sliding glass doors while the south façade has no windows or doors. The west façade is defined by a wooden single door. Alterations to the building include the replacement of all original windows.
(continued on p. 6)

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single family property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession#)
141 Sage Road primary, east façade, view looking southwest.
July 23, 2025

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1976
San Diego County Assessor Office

***P7. Owner and Address:**

***P8. Recorded by:** (Name, affiliation, and address)
Emily Steele
ASM Affiliates, Inc.
2701 Loker Ave W Suite 145
Carlsbad, CA 92010

***P9. Date Recorded:** July 23, 2025

***P10. Survey Type:** (Describe) Pedestrian intensive

***P11. Report Citation:** Miller, Andrew, Shannon Davis, Terrence Luévano, Rachel Ruston, Emily Steele, and Erica Esquer. 2025. *Cultural Resources Technical Report for the Suncrest 230 kV Loop-In Project*. Prepared by ASM Affiliates for Insignia Environmental.

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE, AND OBJECT RECORD

Primary # _____
HRI # _____

***NRHP Status Code** 6Z
***Resource Name or #** (Assigned by recorder) 141 Sage Road

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Single family property
B4. Present Use: Single family property
***B5. Architectural Style:** Vernacular
***B6. Construction History:** **(Construction date, alterations, and date of alterations)**

The building was constructed in 1976. Major changes to the building include an addition on the south façade and replacement of windows.

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** N/A **Original Location:** N/A
*B8. Related Features:
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** Architecture, Community Planning and Development **Area:**
Period of Significance: 1976-1990 **Property Type:** Single family property **Applicable Criteria:** N/A

ASM considered the significance of the building at 141 Sage Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 141 Sage Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1976, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 141 Sage Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County, and therefore is recommended not eligible for the NRHP under Criterion A.

(continued on p. 6)

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:
See Reference section of report

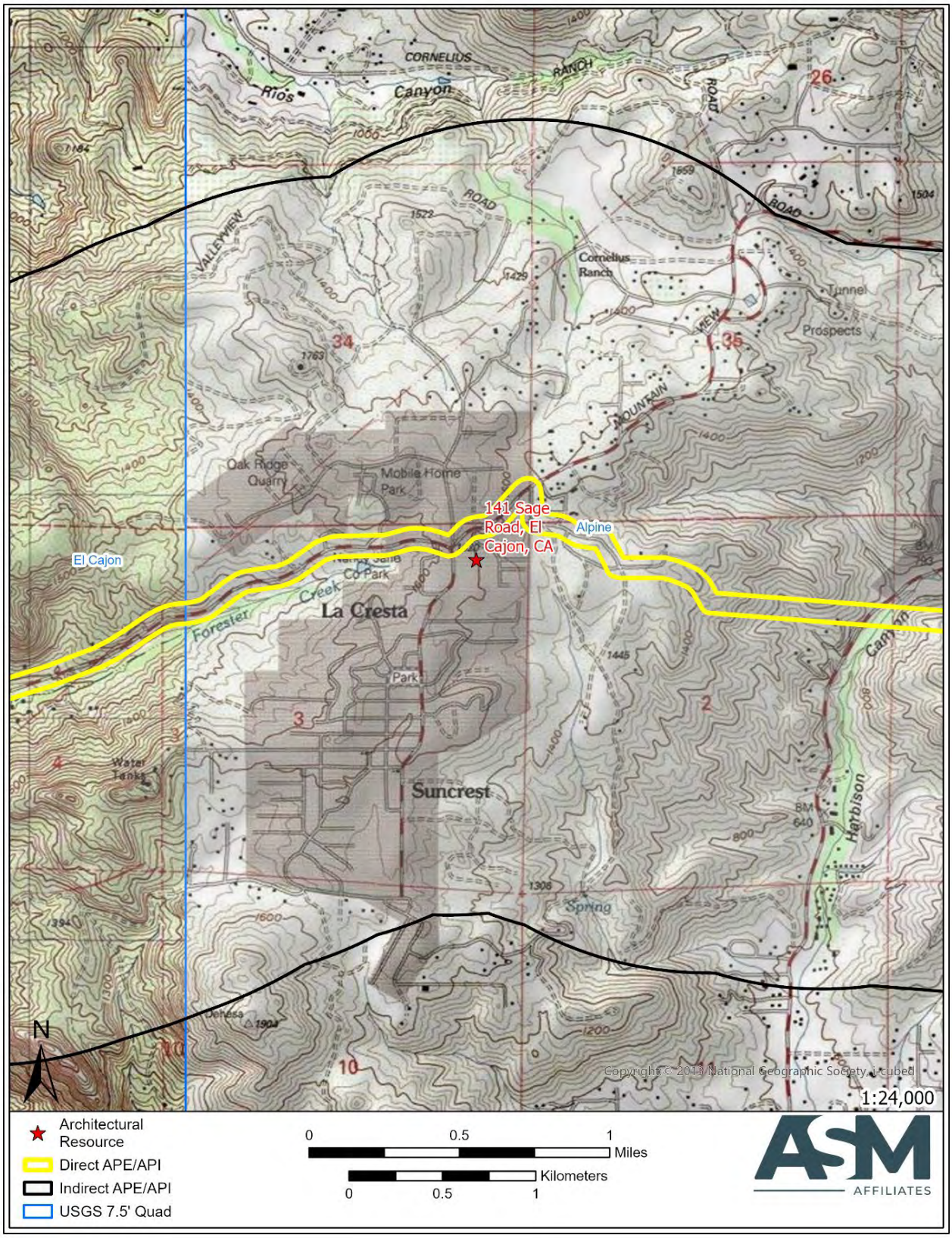
B13. Remarks:
***B14. Evaluator:** ASM Affiliates, Inc. (Emily Steele and Shannon Davis)
***Date of Evaluation:** July 23, 2025.

(This space is reserved for official comments)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 of 6 ***Resource Name or # (Assigned by recorder)** 141 Sage Road
***Map Name:** USGS El Cajon, CA 7.5-minute ***Scale:** 1:24,000 ***Date of Map:** August 27, 2025



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary #
HRI #
Trinomial

 ***Resource Name or # (Assigned by recorder)** 141 Sage Road
Recorded by: Emily Steele **Date:** July 23, 2025

Image 1. 141 Sage Road north façade, view looking southwest.

Image 2. 141 Sage Road south façade, view looking north.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary #
HRI #
Trinomial

Page 5 of 6 ***Resource Name or # (Assigned by recorder)** 141 Sage Road
Recorded by: Emily Steele **Date:** July 23, 2025

Image 3. 141 Sage Road west façade, view looking southeast.

***P3a. Description:** (continued from p. 1)
141 Sage Road is a single-family residence constructed in 1976 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953, 1968). In 1976, the single-family residence was constructed, confirmed by comparison of 1971 and 1978 historic aerial photographs which illustrate that the current footprint matches that on the 1978 aerial photograph (San Diego County Assessor n.d.; Historicaerials.com 1971, 1978, 2022). Since 1978, there have been no major changes to the parcel, but the surrounding area experienced residential development throughout the 1980s (Historicaerials.com 1981, 1988, 2022). No building permits are extant for 141 Sage Road, and no additional site-specific history was uncovered through archival research.

***B10. Significance:** (continued from p. 2)
The building at 141 Sage Road is recommended not eligible under Criterion B. Historic research conducted through historic newspaper archives, Ancestry.com and public records did not reveal any significant people associated with the property.

The vernacular building at 141 Sage Road was constructed simply without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 141 Sage Road is recommended not eligible for the NRHP under Criterion C.

Finally, the building at 141 Sage Road is recommended not eligible under Criterion D as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 of 6 ***Resource Name or #:** 235 La Cresta Road
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**
***a. County:** San Diego and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** El Cajon 1979 T 15 S R **1 E** M.D. **B.M.**
c. Address 235 La Cresta Road City El Cajon Zip 92021
d. UTM: (give more than one for large and/or linear resources) Zone 11S 512675 mE/ 3630832 mN
e. Other Locational Data: (e.g., parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

235 La Cresta Road, constructed in 1955, is a single-story rectangular building with rough stucco siding. The building has a shed roof clad in asphalt shingles with wide eaves. The primary, north façade is characterized by two single wooden doors, one of which is covered by a metal screen door, and a horizontal sliding vinyl window. The east façade has one small horizontal sliding vinyl window. The south façade has four horizontal sliding vinyl windows and a brick chimney. The west façade has a single metal door and four horizontal sliding vinyl windows. Major alterations include a small addition to the south façade and replacement of all the original windows.

(continued on p. 6)

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single family property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession#)
235 La Cresta Road primary, north façade, view looking south.
July 23, 2025

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1955
San Diego County Assessor Office

***P7. Owner and Address:**

***P8. Recorded by:** (Name, affiliation, and address)
Emily Steele
ASM Affiliates, Inc.
2701 Loker Ave W Suite 145
Carlsbad, CA 92010

***P9. Date Recorded:** July 23, 2025

***P10. Survey Type:** (Describe) Pedestrian intensive

***P11. Report Citation:** Miller, Andrew, Shannon Davis, Terrence Luévano, Rachel Ruston, Emily Steele, and Erica Esquer. 2025. *Cultural Resources Technical Report for the Suncrest 230 kV Loop-In Project*. Prepared by ASM Affiliates for Insignia Environmental.

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE, AND OBJECT RECORD

Primary # _____
HRI # _____

***NRHP Status Code** 6Z
***Resource Name or #** (Assigned by recorder) 235 La Cresta Road

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Single family property
B4. Present Use: Single family property
***B5. Architectural Style:** Vernacular with Modern elements
***B6. Construction History:** **(Construction date, alterations, and date of alterations)**

The building was constructed in 1955. Major changes to the building include an addition on the south façade and replacement of windows.

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** N/A **Original Location:** N/A
*B8. Related Features:
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** Architecture, Community Planning and Development **Area:**
Period of Significance: 1955-1990 **Property Type:** Single family property **Applicable Criteria:** N/A

ASM considered the significance of the building at 235 La Cresta Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 235 La Cresta Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1955, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 235 La Cresta Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County, and therefore is recommended not eligible for the NRHP under Criterion A.

(continued on p. 6)

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:
See Reference section of report

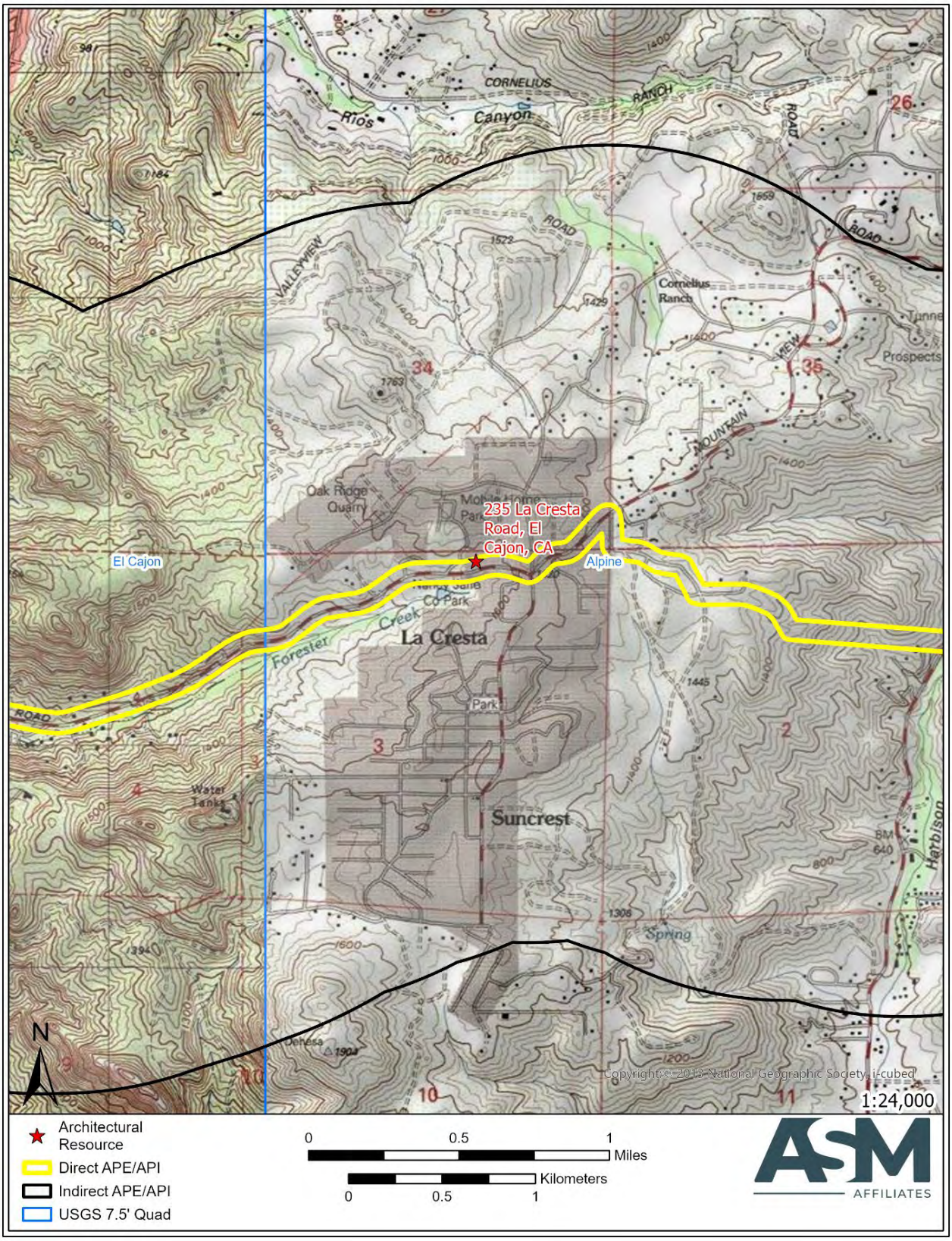
B13. Remarks:
***B14. Evaluator:** ASM Affiliates, Inc. (Emily Steele and Shannon Davis)
***Date of Evaluation:** July 23, 2025.

(This space is reserved for official comments)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

 ***Resource Name or # (Assigned by recorder)** 235 La Cresta Road
***Map Name:** USGS El Cajon, CA 7.5-minute ***Scale:** 1:24,000 ***Date of Map:** August 27, 2025



*Required Information

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary #
HRI #
Trinomial

 ***Resource Name or # (Assigned by recorder)** 235 La Cresta Road
Recorded by: Emily Steele **Date:** July 23, 2025

Image 1. 235 La Cresta Road east façade, view looking southwest.

Image 2. 235 La Cresta Road south façade, view looking northwest.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary #
HRI #
Trinomial

 ***Resource Name or # (Assigned by recorder)** 235 La Cresta Road
Recorded by: Emily Steele **Date:** July 23, 2025

Image 3. 235 La Cresta Road west façade, view looking northeast.

***P3a. Description:** (continued from p. 1)
235 La Cresta Road is a single-family residence constructed in 1955 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953, 1964). In 1955, the single-family residence was constructed, confirmed by comparison of 1953 and 1964 historic aerial photographs which illustrate that the current footprint matches that on the 1964 aerial photograph (San Diego County Assessor n.d.; Historicaerials.com 1953, 1964, 2022). Since 1964, there have been no major changes to the parcel, aside from the addition of two ancillary buildings in the 1980s (Historicaerials.com 1981, 1988). The neighborhood has changed with residential development throughout the 1970s (Historicaerials.com 1971, 1978, 2022). No building permits are extant for 235 La Cresta Road, and no additional site-specific history was uncovered through archival research.

***B10. Significance:** (continued from p. 2)
The building at 235 La Cresta Road is recommended not eligible under Criterion B. Historic research conducted through historic newspaper archives, Ancestry.com and public records did not reveal any significant people associated with the property.

The vernacular building at 235 La Cresta Road was constructed simply without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic value. As such, 235 La Cresta Road is recommended not eligible for the NRHP under Criterion C.

Finally, the building at 235 La Cresta Road is recommended not eligible under Criterion D as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 of 6 ***Resource Name or #:** 248 La Cresta Road
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**
***a. County:** San Diego and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** El Cajon 1979 T 15 S R **1 E** M.D. **B.M.**
c. Address 248 La Cresta Road City El Cajon Zip 92021
d. UTM: (give more than one for large and/or linear resources) Zone 11S 512972 mE/ 3630851 mN
e. Other Locational Data: (e.g., parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The building at 248 La Cresta Road, constructed in 1978, is a single-story rectangular building with vertical panel wood siding. The building has a side gable roof with wide eaves and asphalt shingles. The primary, west façade is characterized by a recessed entryway and three horizontal sliding vinyl windows. The south façade has no windows but a single glass door. The east façade is defined by a single door, a sliding glass door, and one horizontal sliding vinyl window. The north façade has a metal rolling garage door. Alterations include replacement of all original windows.

(continued on p. 6)

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single family property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession#)
248 La Cresta Road overview, view looking southeast.
July 23, 2025

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1978
San Diego County Assessor Office

***P7. Owner and Address:**

***P8. Recorded by:** (Name, affiliation, and address)
Emily Steele
ASM Affiliates, Inc.
2701 Loker Ave W Suite 145
Carlsbad, CA 92010

***P9. Date Recorded:** July 23, 2025

***P10. Survey Type:** (Describe) Pedestrian intensive

***P11. Report Citation:** Miller, Andrew, Shannon Davis, Terrence Luévano, Rachel Ruston, Emily Steele, and Erica Esquer. 2025. *Cultural Resources Technical Report for the Suncrest 230 kV Loop-In Project*. Prepared by ASM Affiliates for Insignia Environmental.

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE, AND OBJECT RECORD

Primary # _____
HRI # _____

***NRHP Status Code** 6Z
***Resource Name or #** (Assigned by recorder) 248 La Cresta Road

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Single family property
B4. Present Use: Single family property
***B5. Architectural Style:** Vernacular with Modern elements
***B6. Construction History:** **(Construction date, alterations, and date of alterations)**

The building was constructed in 1978. Major changes to the building include an addition on the south façade and replacement of windows.

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** N/A **Original Location:** N/A
*B8. Related Features:
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** Architecture, Community Planning and Development **Area:**
Period of Significance: 1978-1990 **Property Type:** Single family property **Applicable Criteria:** N/A

ASM considered the significance of the building at 248 La Cresta Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 248 La Cresta Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1978, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 248 La Cresta Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County, and therefore is recommended not eligible for the NRHP under Criterion A.

(continued on p. 6)

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:
See Reference section of report

B13. Remarks:
***B14. Evaluator:** ASM Affiliates, Inc. (Emily Steele and Shannon Davis)
***Date of Evaluation:** July 23, 2025.

(This space is reserved for official comments)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 of 6 ***Resource Name or # (Assigned by recorder)** 248 La Cresta Road
***Map Name:** USGS El Cajon, CA 7.5-minute ***Scale:** 1:24,000 ***Date of Map:** August 27, 2025

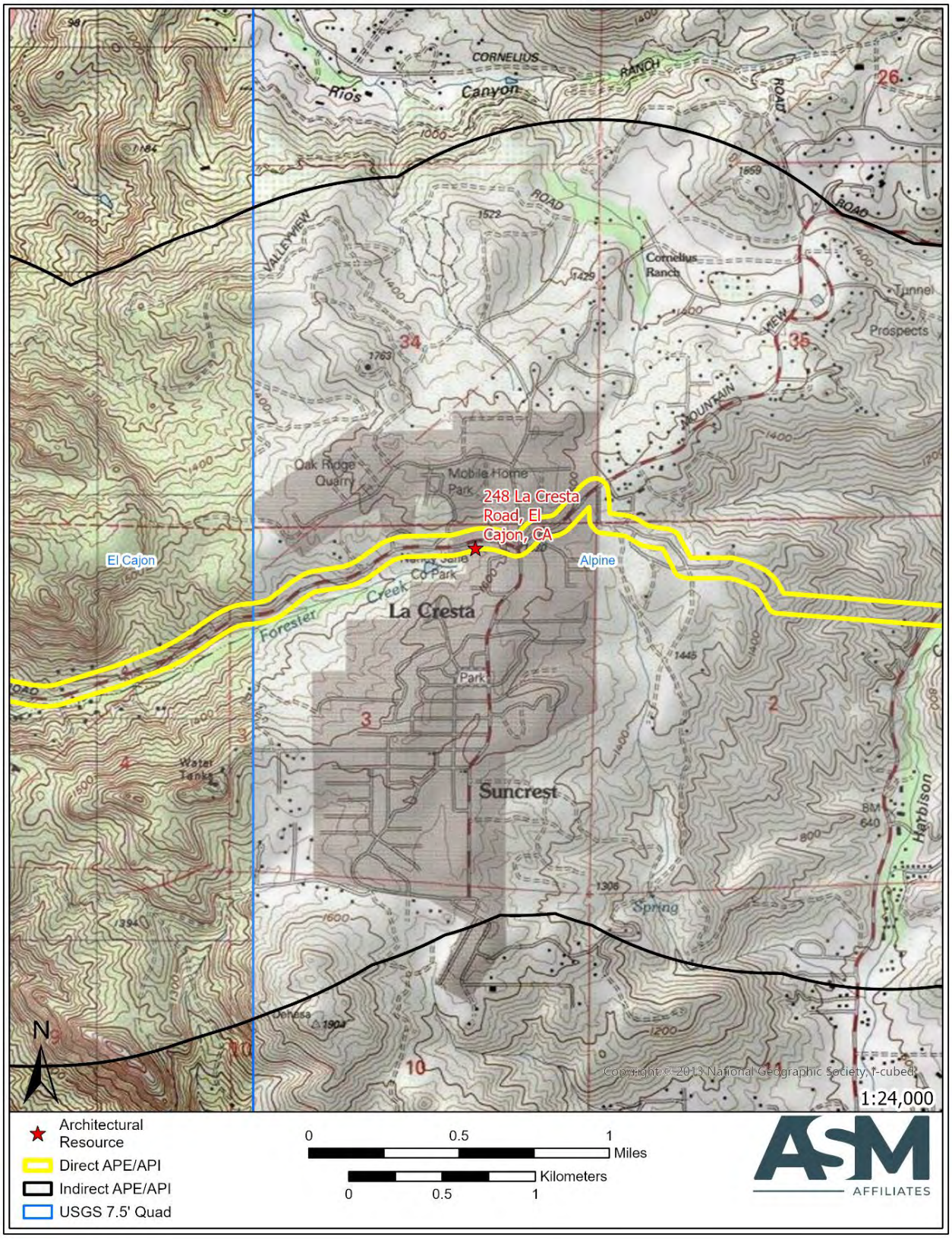


Image 1. 248 La Cresta Road primary, west façade view looking southeast.

Image 2. 248 La Cresta Road south façade, view looking north.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary #
HRI #
Trinomial

 ***Resource Name or # (Assigned by recorder)** 248 La Cresta Road
Recorded by: Emily Steele **Date:** July 23, 2025

Image 3. 248 La Cresta Road east façade, view looking northwest.

Image 4. 248 La Cresta Road north façade, view looking southeast.

***P3a. Description:** (continued from p. 1)
248 La Cresta Road is a single-family residence constructed in 1978 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953, 1964). In 1978, a rectangular building matching the footprint of the current residence was constructed on the property (San Diego County Assessor n.d; Historicaerials.com 1978, 2022). Since 1978, there have been no major changes to the parcel. The neighborhood has changed with residential development throughout the 1980s (Historicaerials.com 1981, 1988, 2022). No building permits are extant for 248 La Cresta Road, and no additional site-specific history was uncovered through archival research.

***B10. Significance:** (continued from p. 2)
As such, the building located at 248 La Cresta Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County, and therefore is recommended not eligible for the NRHP under Criterion A.

The building at 248 La Cresta Road is recommended not eligible under Criterion B. Historic research conducted through historic newspaper archives, Ancestry.com and public records did not reveal any significant people associated with the property.

The vernacular building at 248 La Cresta Road was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 248 La Cresta Road is recommended not eligible for the NRHP under Criterion C.

Finally, the building at 248 La Cresta Road is recommended not eligible under Criterion D as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 of 6 ***Resource Name or #:** 367 La Cresta Road
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**
***a. County:** San Diego and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** El Cajon 1979 T 15 S R **1 E** M.D. **B.M.**
c. Address 367 La Cresta Road City El Cajon Zip 92021
d. UTM: (give more than one for large and/or linear resources) Zone 11S 512388 mE/ 3630846 mN
e. Other Locational Data: (e.g., parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The building at 367 La Cresta Road, constructed in 1975, is a single-story L-shaped building with horizontal wood panel siding. The building has a cross-gable roof clad in asphalt shingles with wide eaves. The primary, south façade is characterized by a recessed entryway, a single door covered by a screen door, four-sash vinyl windows, and a brick chimney. The east façade has two fixed wooden windows. The north façade is defined by a variety of windows including two fixed wooden and three sash windows. The west façade has four horizontal sliding vinyl windows and a wooden single door. The building has undergone limited alterations, the most notable being the replacement of some of the windows.

(continued on p. 6)

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single family property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession#)
367 La Cresta Road overview, view looking northeast.
July 23, 2025

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1975
San Diego County Assessor Office

***P7. Owner and Address:**

***P8. Recorded by:** (Name, affiliation, and address)
Emily Steele
ASM Affiliates, Inc.
2701 Loker Ave W Suite 145
Carlsbad, CA 92010

***P9. Date Recorded:** July 23, 2025

***P10. Survey Type:** (Describe) Pedestrian intensive

***P11. Report Citation:** Miller, Andrew, Shannon Davis, Terrence Luévano, Rachel Ruston, Emily Steele, and Erica Esquer. 2025. *Cultural Resources Technical Report for the Suncrest 230 kV Loop-In Project*. Prepared by ASM Affiliates for Insignia Environmental.

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE, AND OBJECT RECORD

Primary # _____
HRI # _____

***NRHP Status Code** 6Z
***Resource Name or #** (Assigned by recorder) 367 La Cresta Road

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Single family property
B4. Present Use: Single family property
***B5. Architectural Style:** Vernacular with Modern elements
***B6. Construction History:** **(Construction date, alterations, and date of alterations)**

The building was constructed in 1975. Changes to the building include the replacement of windows.

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** N/A **Original Location:** N/A
*B8. Related Features:
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** Architecture, Community Planning and Development **Area:**
Period of Significance: 1975-1990 **Property Type:** Single family property **Applicable Criteria:** N/A

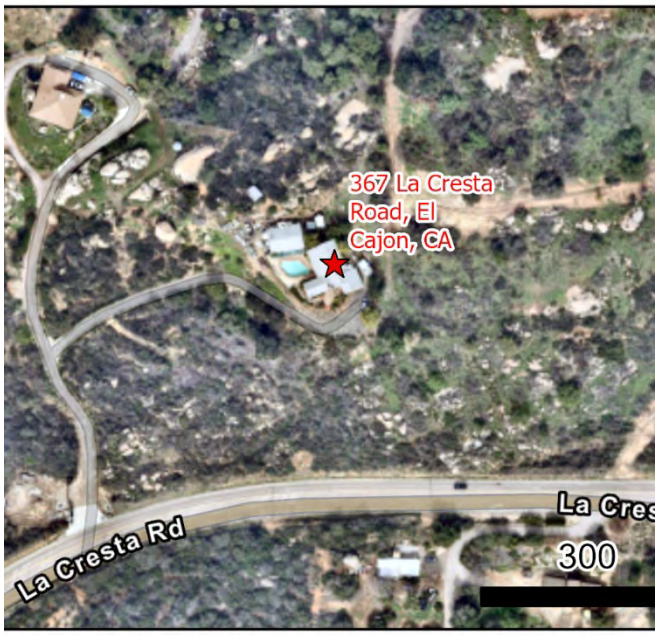
ASM considered the significance of the building at 367 La Cresta Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 367 La Cresta Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1975, when the was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 367 La Cresta Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County, and therefore is recommended not eligible for the NRHP under Criterion A.

(continued on p. 6)

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:
See Reference section of report

B13. Remarks:
***B14. Evaluator:** ASM Affiliates, Inc. (Emily Steele and Shannon Davis)
***Date of Evaluation:** July 23, 2025.

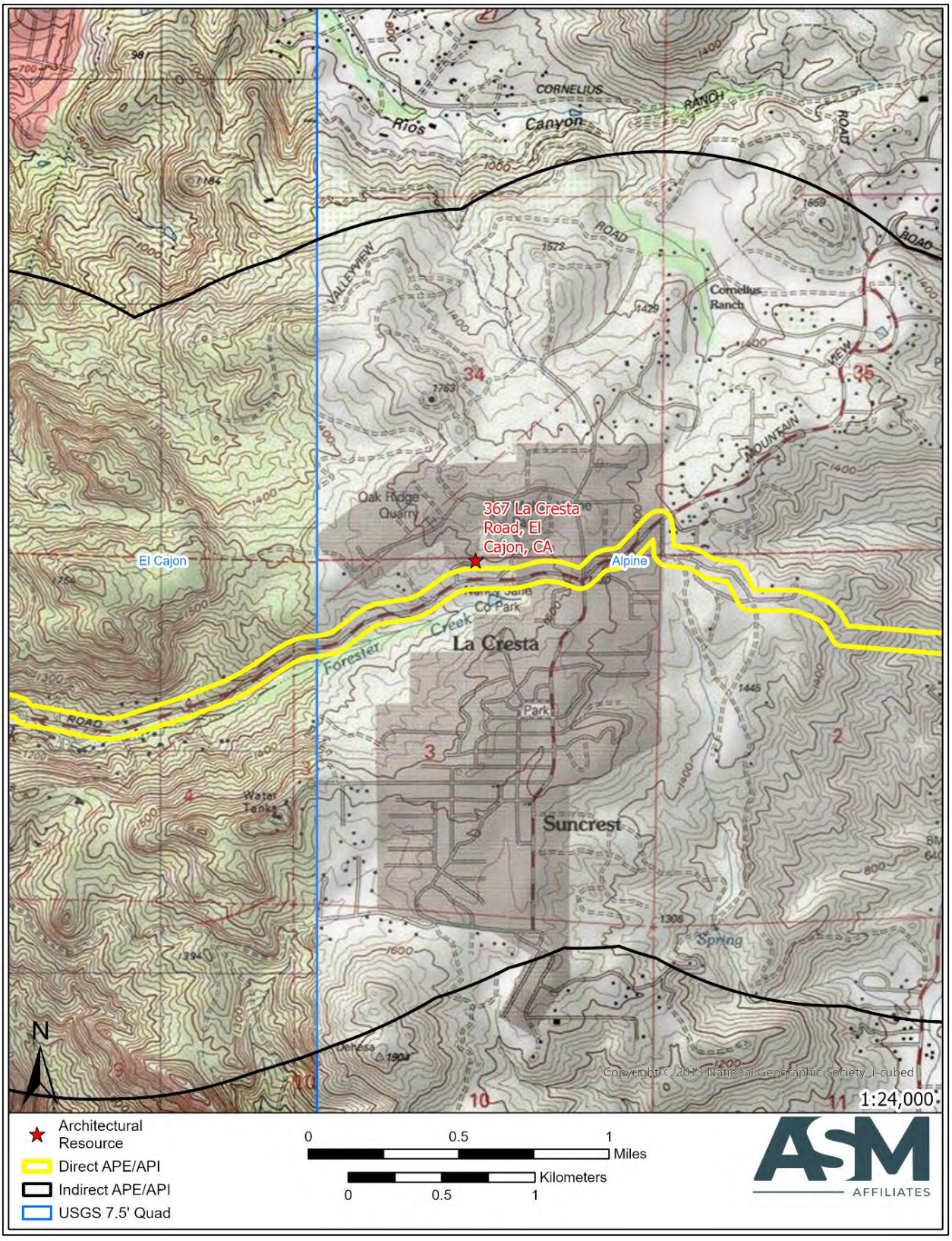


(This space is reserved for official comments)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 of 6 ***Resource Name or # (Assigned by recorder)** 367 La Cresta Road
***Map Name:** USGS El Cajon, CA 7.5-minute ***Scale:** 1:24,000 ***Date of Map:** August 27, 2025



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary #
HRI #
Trinomial

 ***Resource Name or # (Assigned by recorder)** 367 La Cresta Road
Recorded by: Emily Steele **Date:** July 23, 2025

Image 1. 367 La Cresta Road primary, south façade, view looking north.

Image 2. 367 La Cresta Road east façade, view looking northwest.

Image 3. 367 La Cresta Road west portion of north façade view looking southwest.

Image 4. 367 La Cresta Road north façade, view looking southeast.

***P3a. Description:** (continued from p. 1)
367 La Cresta Road is a single-family residence constructed in 1975 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953, 1964). In 1975, the single-family residence was constructed, confirmed by comparison of 1971 and 1978 historic aerial photographs which illustrate that the current footprint matches that on the 1978 aerial photograph (San Diego County Assessor n.d.; Historicaerials.com 1971, 1978, 2022). Between 1978 and 1981, a guest house and pool were added to the property, but no other major changes have occurred to the parcel (Historicaerials.com 1978, 1981). The neighborhood has changed with residential development throughout the 1980s (Historicaerials.com 1981, 1988, 2022). No building permits are extant for 367 La Cresta Road, and no additional site-specific history was uncovered through archival research.

***B10. Significance:** (continued from p. 2)
The building at 367 La Cresta Road is recommended not eligible under Criterion B. Historic research conducted through historic newspaper archives, Ancestry.com and public records did not reveal any significant people associated with the property.

The vernacular building at 367 La Cresta Road was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 367 La Cresta Road is recommended not eligible for the NRHP under Criterion C.

Finally, the building at 367 La Cresta Road is recommended not eligible under Criterion D as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 of 6 ***Resource Name or #:** 518 Mountain View Road
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**
***a. County:** San Diego and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** El Cajon 1979 T 15 S R **1 E** M.D. **B.M.**
c. Address 518 Mountain View Road City El Cajon Zip 92021
d. UTM: (give more than one for large and/or linear resources) Zone 11S 513289 mE/ 3631092 mN
e. Other Locational Data: (e.g., parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The building at 518 Mountain View Road, constructed in 1976, is a single-story, rectangular plan building with rough stucco and stone siding. The front gable roof is clad in asphalt shingles and has wide eaves. The primary, east façade is characterized by a vinyl rolling garage door, a wooden front door, and two vinyl vertical sliding windows. The north façade is defined by a series of six horizontal sliding vinyl windows, and the south façade is defined by a sliding glass door and four horizontal sliding vinyl glass windows. The west façade was not accessible or visible for the survey. The original windows have likely all been replaced and an addition added to the east façade, which is now the garage.

(continued on p. 6)

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single family property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession#)
Overview of 518 Mountain View Way, view looking northwest.
July 23, 2025

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1976
San Diego County Assessor Office

***P7. Owner and Address:**

***P8. Recorded by:** (Name, affiliation, and address)
Emily Steele
ASM Affiliates, Inc.
2701 Loker Ave W Suite 145
Carlsbad, CA 92010

***P9. Date Recorded:** July 23, 2025

***P10. Survey Type:** (Describe) Pedestrian intensive

***P11. Report Citation:** Miller, Andrew, Shannon Davis, Terrence Luévano, Rachel Ruston, Emily Steele, and Erica Esquer. 2025. *Cultural Resources Technical Report for the Suncrest 230 kV Loop-In Project*. Prepared by ASM Affiliates for Insignia Environmental.

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE, AND OBJECT RECORD

Primary # _____
HRI # _____

***NRHP Status Code** 6Z
***Resource Name or #** (Assigned by recorder) 518 Mountain View Road

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Single family property
B4. Present Use: Single family property
***B5. Architectural Style:** Vernacular
***B6. Construction History:** **(Construction date, alterations, and date of alterations)**

The building was constructed in 1976. Changes to the building include replacement of windows and an addition added at an unknown time.

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** N/A **Original Location:** N/A
*B8. Related Features:
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** Architecture, Community Planning and Development **Area:**
Period of Significance: 1976-1990 **Property Type:** Single family property **Applicable Criteria:** N/A

ASM considered the significance of the building at 518 Mountain View Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 518 Mountain View Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1976, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 518 Mountain View Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County, and therefore is recommended not eligible for the NRHP under Criterion A.

(continued on p. 6)

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:
See Reference section of report

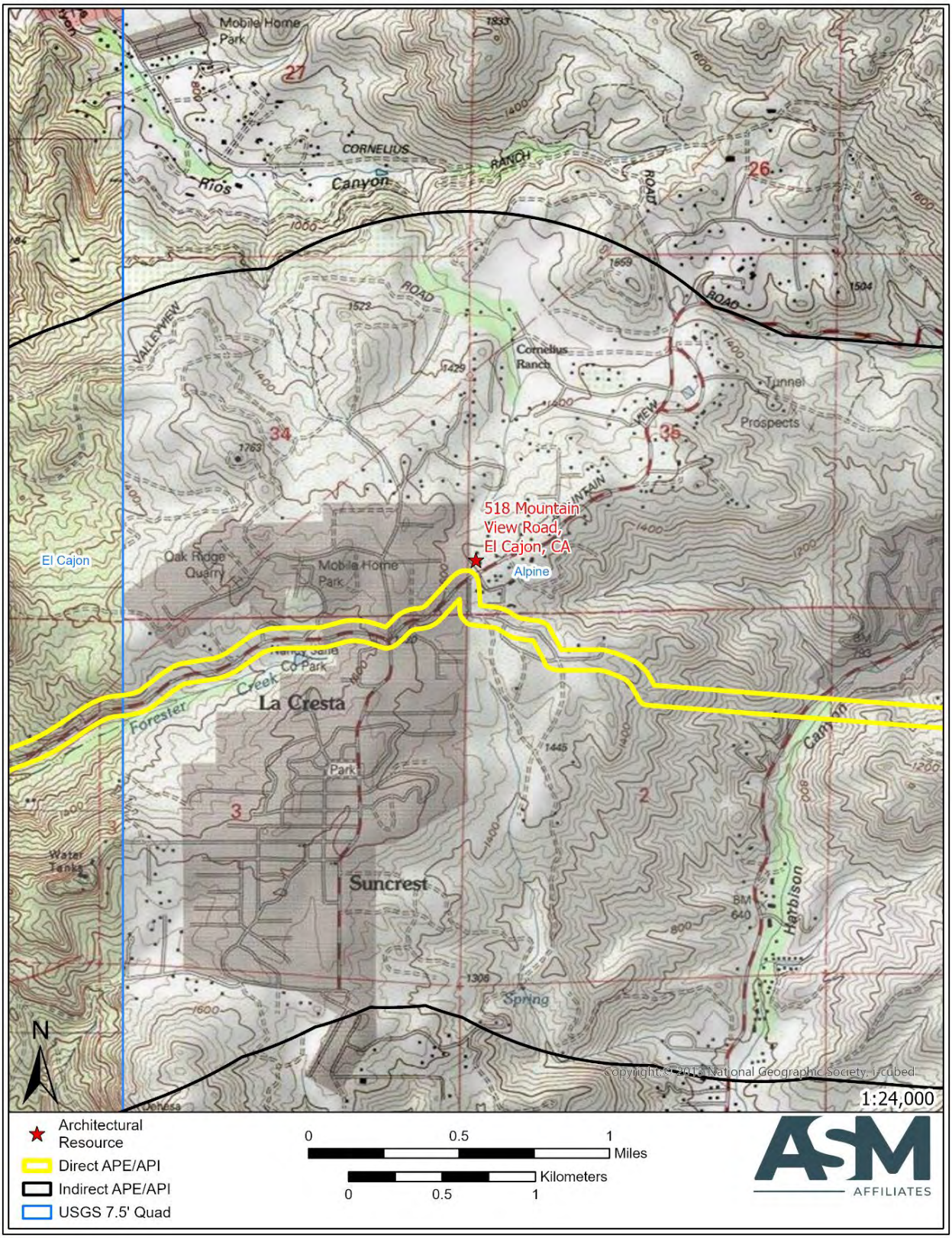
B13. Remarks:
***B14. Evaluator:** ASM Affiliates, Inc. (Emily Steele and Shannon Davis)
***Date of Evaluation:** July 23, 2025.

(This space is reserved for official comments)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

 ***Resource Name or # (Assigned by recorder)** 518 Mountain View Road
***Map Name:** USGS El Cajon, CA 7.5-minute ***Scale:** 1:24,000 ***Date of Map:** August 27, 2025



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary #
HRI #
Trinomial

Recorded by: Emily Steele **Date:** July 23, 2025

Image 1. 518 Mountain View Road primary, east façade, view looking west.

Image 2. 518 Mountain View Road north façade, view looking southwest.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary #
HRI #
Trinomial

 ***Resource Name or # (Assigned by recorder)** 518 Mountain View Road
Recorded by: Emily Steele **Date:** July 23, 2025

Image 3. 518 Mountain View Road south façade and south portion of property, view looking northwest.

***P3a. Description:** (continued from p. 1)
518 Mountain View Road is a single-family residence constructed in 1976 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953). Residential development was occurring in the surrounding area by the 1960s. In 1976, the single-family residence was constructed, as confirmed by comparison of 1968 and 1985 historic aerial photographs which illustrate that the current footprint matches that on the 1985 aerial photograph (San Diego County Assessor; Historicaerials.com 1964, 1968, 1971, 1978). Most of the houses in the neighborhood were constructed by 1985, with few changes being made to the area since then (Historicaerials.com 1985, 2022). No building permits are extant for 518 Mountain View Road, and no additional site-specific history was uncovered through archival research.

***B10. Significance:** (continued from p. 2)
The building at 518 Mountain View Road is recommended not eligible under Criterion B. Historic research conducted through historic newspaper archives, Ancestry.com and public records did not reveal any significant people associated with the property.

The vernacular building at 518 Mountain View Road was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 518 Mountain View Road is recommended not eligible for the NRHP under Criterion C.

Finally, the building at 518 Mountain View Road is recommended not eligible under Criterion D as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 of 6 ***Resource Name or #:** 1090 La Cresta Boulevard
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**
***a. County:** San Diego and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** El Cajon 1979 T 15 S R **1 E** M.D. **B.M.**
c. Address 1090 La Cresta Boulevard City El Cajon Zip 92021
d. UTM: (give more than one for large and/or linear resources) Zone 11S 512933 mE/ 3630855 mN
e. Other Locational Data: (e.g., parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

1090 La Cresta Blvd., constructed in 1954, is a rectangular plan, two-story building with smooth stucco siding. It has a side gable roof clad in asphalt shingles. The primary, west façade is characterized by a single door covered by a metal screen door, a brick chimney, and two wood-frame windows that appear to be original but are covered by metal bars. The south façade is defined by two wood-frame windows and two rolling garage doors while the north façade has two small wood-frame windows covered by metal bars. The east façade was not accessible or visible for the survey. There do not appear to be any major alterations to the building.

(continued on p. 6)

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single family property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession#)
Overview of 1090 La Cresta Boulevard, view looking east.
July 23, 2025

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1954
San Diego County Assessor Office

***P7. Owner and Address:**

***P8. Recorded by:** (Name, affiliation, and address)
Emily Steele
ASM Affiliates, Inc.
2701 Loker Ave W Suite 145
Carlsbad, CA 92010

***P9. Date Recorded:** July 23, 2025

***P10. Survey Type:** (Describe) Pedestrian intensive

***P11. Report Citation:** Miller, Andrew, Shannon Davis, Terrence Luévano, Rachel Ruston, Emily Steele, and Erica Esquer. 2025. *Cultural Resources Technical Report for the Suncrest 230 kV Loop-In Project*. Prepared by ASM Affiliates for Insignia Environmental.

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE, AND OBJECT RECORD

Primary # _____
HRI # _____

***NRHP Status Code** 6Z
***Resource Name or #** (Assigned by recorder) 1090 La Cresta Boulevard

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Single family property
B4. Present Use: Single family property
***B5. Architectural Style:** Vernacular
***B6. Construction History:** **(Construction date, alterations, and date of alterations)**

The building was constructed in 1954. There have been no major changes to the building since its original construction.

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** N/A **Original Location:** N/A
*B8. Related Features:
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** Architecture, Community Planning and Development **Area:**
Period of Significance: 1954-1990 **Property Type:** Single family property **Applicable Criteria:** N/A

ASM considered the significance of the building at 1090 La Cresta Boulevard within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 1090 La Cresta Boulevard was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1954, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 1090 La Cresta Boulevard has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County, and therefore is recommended not eligible for the NRHP under Criterion A.

(continued on p. 6)

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:
See Reference section of report

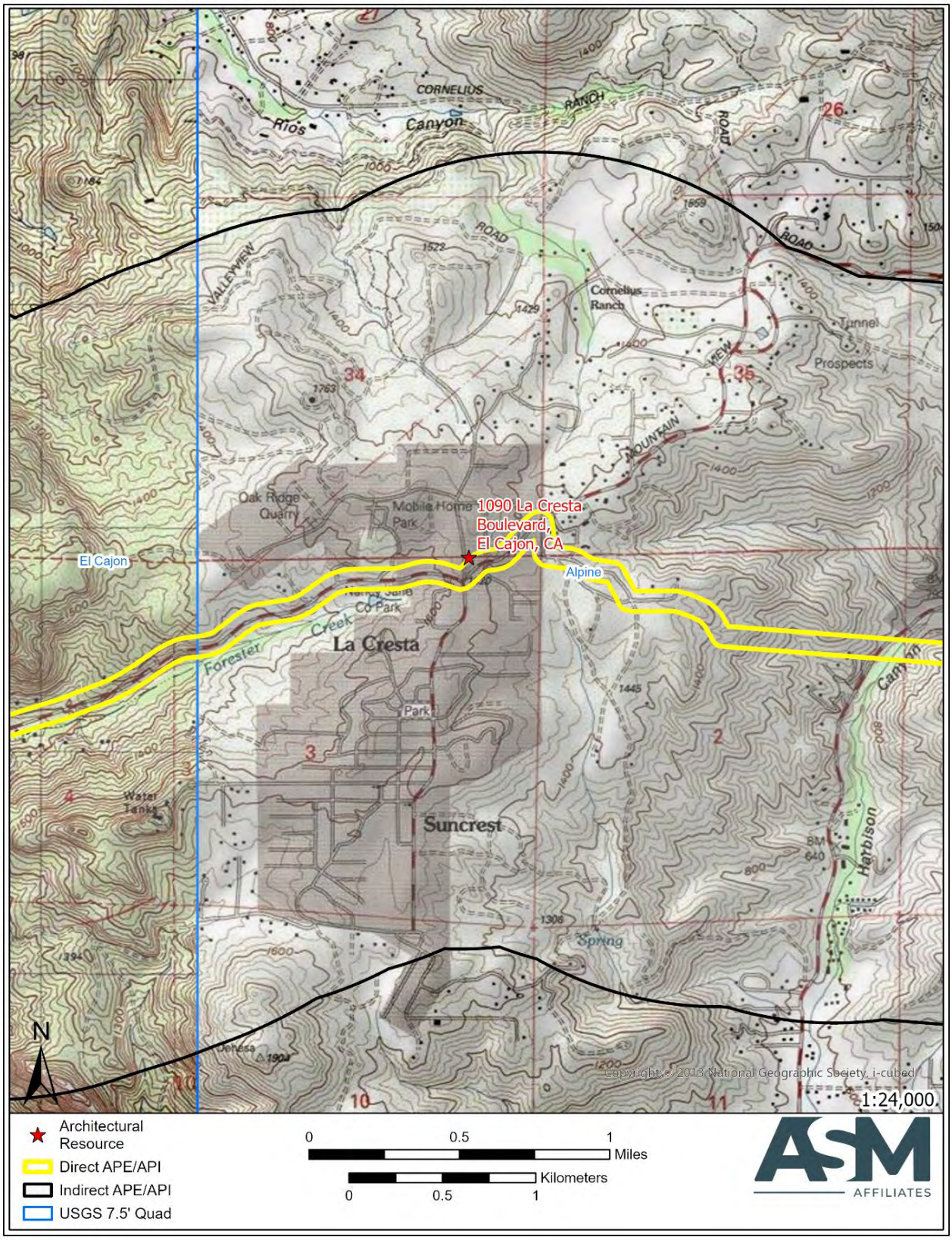
B13. Remarks:
***B14. Evaluator:** ASM Affiliates, Inc. (Emily Steele and Shannon Davis)
***Date of Evaluation:** July 23, 2025.

(This space is reserved for official comments)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 of 6 ***Resource Name or # (Assigned by recorder)** 1090 La Cresta Boulevard
***Map Name:** USGS El Cajon, CA 7.5-minute ***Scale:** 1:24,000 ***Date of Map:** August 27, 2025



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary #
HRI #
Trinomial

 ***Resource Name or # (Assigned by recorder)** 1090 La Cresta Boulevard
Recorded by: Emily Steele **Date:** July 23, 2025

Image 1. 1090 La Cresta Boulevard primary, west façade, view looking southeast.

Image 2. 1090 La Cresta Boulevard south façade, view looking northeast.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary #
HRI #
Trinomial

 ***Resource Name or # (Assigned by recorder)** 1090 La Cresta Boulevard
Recorded by: Emily Steele **Date:** July 23, 2025

Image 3. 1090 La Cresta Boulevard north façade, view looking southeast.

***P3a. Description:** (continued from p. 1)
1090 La Cresta Boulevard is a single-family residence constructed in 1954 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953). In 1954, the single-family residence was constructed, confirmed by comparison of 1953 and 1964 historic aerial photographs which illustrate that the current footprint matches that on the 1964 aerial photograph (San Diego County Assessor n.d.; Historicaerials.com 1953, 1964, 2022). The neighborhood has changed with many houses being constructed throughout the 1970s (Historicaerials.com 1971, 1978, 2022). No building permits are extant for 1090 La Cresta Boulevard, and no additional site-specific history was uncovered through archival research.

***B10. Significance:** (continued from p. 2)
The building at 1090 La Cresta Boulevard is recommended not eligible under Criterion B. Historic research conducted through historic newspaper archives, Ancestry.com and public records did not reveal any significant people associated with the property.

The vernacular building at 1090 La Cresta Boulevard was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 1090 La Cresta Boulevard is recommended not eligible for the NRHP under Criterion C.

Finally, the building at 1090 La Cresta Road is recommended not eligible under Criterion D as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

 ***Resource Name or #:** 1093 La Cresta Boulevard

P1. Other Identifier:

***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**

***a. County:** San Diego and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad** El Cajon 1979 T 15 S R **1 E** M.D. **B.M.**

c. Address 1093 La Cresta Boulevard City El Cajon Zip 92021

d. UTM: (give more than one for large and/or linear resources) Zone 11S 512869 mE/ 3630840 mN

e. Other Locational Data: (e.g., parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The building at 1093 La Cresta Blvd., constructed in 1952, is a single-story rectangular plan building with smooth stucco siding. It has a side gable roof clad in asphalt shingles. The primary, east façade is defined by a single front door covered in a metal screen door, a wood-frame double door, and two large horizontal sliding vinyl windows. The south façade has one horizontal sliding vinyl framed window and a brick chimney. The north façade has two horizontal sliding vinyl-framed windows and no doors. The west façade was not accessible or visible for the survey. Major alterations to the building include the replacement of the original windows.

(continued on p. 6)

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single family property

***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession#)
Overview of 1093 La Cresta Boulevard, view looking east.
July 23, 2025

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1952
San Diego County Assessor Office

***P7. Owner and Address:**

***P8. Recorded by:** (Name, affiliation, and address)
Emily Steele
ASM Affiliates, Inc.
2701 Loker Ave W Suite 145
Carlsbad, CA 92010

***P9. Date Recorded:** July 23, 2025

***P10. Survey Type:** (Describe) Pedestrian intensive

***P11. Report Citation:** Miller, Andrew, Shannon Davis, Terrence Luévano, Rachel Ruston, Emily Steele, and Erica Esquer. 2025. *Cultural Resources Technical Report for the Suncrest 230 kV Loop-In Project*. Prepared by ASM Affiliates for Insignia Environmental.

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE, AND OBJECT RECORD

Primary # _____
HRI # _____

***NRHP Status Code** 6Z
***Resource Name or #** (Assigned by recorder) 1093 La Cresta Boulevard

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Single family property
B4. Present Use: Single family property
***B5. Architectural Style:** Vernacular
***B6. Construction History:** **(Construction date, alterations, and date of alterations)**

The building was constructed in 1952. Changes to the building include replacement of windows and an addition.

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** N/A **Original Location:** N/A
*B8. Related Features:
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** Architecture, Community Planning and Development **Area:**
Period of Significance: 1952-1990 **Property Type:** Single family property **Applicable Criteria:** N/A

ASM considered the significance of the building at 1093 La Cresta Boulevard within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, , the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 1093 La Cresta Boulevard was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1952, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 1093 La Cresta Boulevard has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County, and therefore is recommended not eligible for the NRHP under Criterion A.

(continued on p. 6)

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:
See Reference section of report

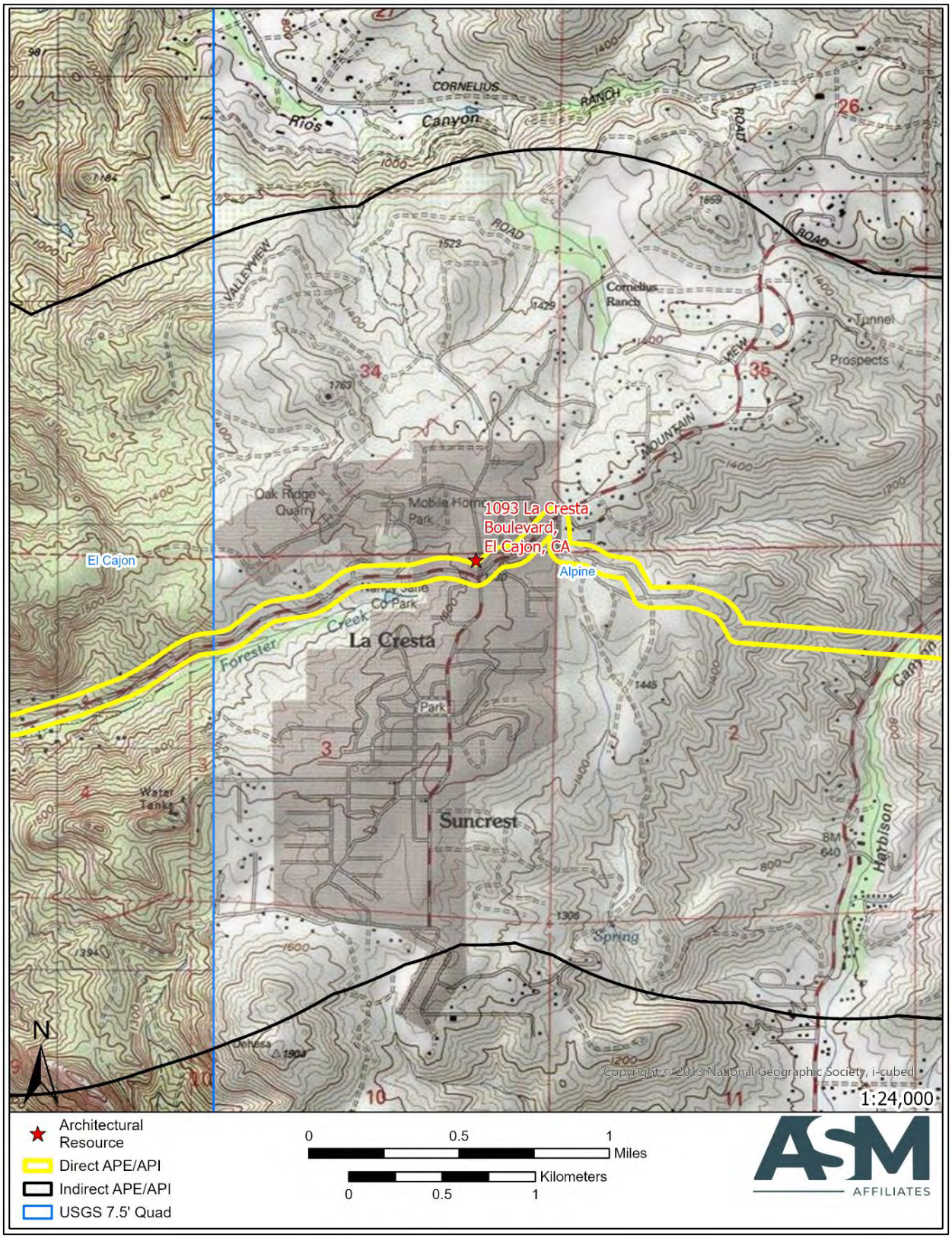
B13. Remarks:
***B14. Evaluator:** ASM Affiliates, Inc. (Emily Steele and Shannon Davis)
***Date of Evaluation:** July 23, 2025.

(This space is reserved for official comments)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 of 6 ***Resource Name or # (Assigned by recorder)** 1093 La Cresta Boulevard
***Map Name:** USGS El Cajon, CA 7.5-minute ***Scale:** 1:24,000 ***Date of Map:** August 27, 2025



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary #
HRI #
Trinomial

 ***Resource Name or # (Assigned by recorder)** 1093 La Cresta Boulevard
Recorded by: Emily Steele **Date:** July 23, 2025

Image 1. 1093 La Cresta Boulevard primary, east façade, view looking southwest.

Image 2. 1093 La Cresta Boulevard south façade, view looking north.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary #
HRI #
Trinomial

 ***Resource Name or # (Assigned by recorder)** 1093 La Cresta Boulevard
Recorded by: Emily Steele **Date:** July 23, 2025

Image 3. 1093 La Cresta Boulevard north façade, view looking south.

***P3a. Description:** (continued from p. 1)
1093 La Cresta Blvd. is a single-family residence constructed in 1952 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial (Historicerials.com 1953, 1968). In 1952, the single-family residence was constructed. The building remains today in its same location, but the footprint changed with the construction of an addition sometime between 2010 and 2012 (Historicaerials.com 1968, 2010, 2012). The neighborhood has changed since the building's original construction with residential development throughout the 1970s (Historicaerials.com 1971, 1978, 2022). No building permits are extant for 1093 La Cresta Blvd., and no additional site-specific history was uncovered through archival research.

***B10. Significance:** (continued from p. 2)
The building at 1093 La Cresta Boulevard is recommended not eligible under Criterion B. Historic research conducted through historic newspaper archives, Ancestry.com and public records did not reveal any significant people associated with the property.

The vernacular building at 1093 La Cresta Boulevard was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. The building has been highly altered since its original construction. Alternations and additions to the building after 1990 have resulted in a building that lacks distinctive characteristics of a type, period, or method of construction. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 1093 La Cresta Boulevard is recommended not eligible for the NRHP under Criterion C.

Finally, the building at 1093 La Cresta Boulevard is recommended not eligible under Criterion D as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 of 6 ***Resource Name or #:** 1356 Real Way
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**
***a. County:** San Diego and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Cuyamaca Peak 1960 T 16 S R **2 E** M.D. **B.M.**
c. Address 1356 Real Way City Alpine Zip 91901
d. UTM: (give more than one for large and/or linear resources) Zone 11S 520137 mE/ 3629997 mN
e. Other Locational Data: (e.g., parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The building at 1356 Real Way, constructed in 1935, is a single-story, rectangular plan Spanish Colonial Revival style building. The building has smooth stucco siding and a side gable roof clad in terra cotta tiles. The primary, west façade is characterized by a wooden door, two horizontal sliding wood-framed windows, and a large stone chimney. The south façade is defined by double glass doors and a small horizontal sliding wood-framed window. The east façade has no doors and two horizontal sliding wood-framed windows. The north façade also has no doors but two horizontal sliding wood-framed windows. Significant alterations have been made to the building since its original construction, including new stucco siding, and new windows and doors.

(continued on p. 6)

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single family property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession#)
Overview of 1356 Real Way, view looking southeast.
July 23, 2025

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1935
San Diego County Assessor Office

***P7. Owner and Address:**

***P8. Recorded by:** (Name, affiliation, and address)
Emily Steele
ASM Affiliates, Inc.
2701 Loker Ave W Suite 145
Carlsbad, CA 92010

***P9. Date Recorded:** July 23, 2025

***P10. Survey Type:** (Describe) Pedestrian intensive

***P11. Report Citation:** Miller, Andrew, Shannon Davis, Terrence Luévano, Rachel Ruston, Emily Steele, and Erica Esquer. 2025. *Cultural Resources Technical Report for the Suncrest 230 kV Loop-In Project*. Prepared by ASM Affiliates for Insignia Environmental.

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE, AND OBJECT RECORD

Primary # _____
HRI # _____

***NRHP Status Code** 6Z
***Resource Name or #** (Assigned by recorder) 1356 Real Way

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Single family property
B4. Present Use: Single family property
***B5. Architectural Style:** Spanish Colonial Revival
***B6. Construction History:** **(Construction date, alterations, and date of alterations)**

The building was constructed in 1935. Changes to the building include replacement of windows, siding, and doors.

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** N/A **Original Location:** N/A
*B8. Related Features:
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** Architecture **Area:**

Period of Significance: 1935-1990 **Property Type:** Single family property **Applicable Criteria:** N/A

ASM considered the significance of the building at 1356 Real Way within the locally significant themes of Agriculture, Community Planning and Development and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in Alpine or San Diego County so it cannot represent that theme. 1356 Real Way was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1935, when the house is believed to have been constructed, and ending in 1990 which was the end of the period of significant growth in Alpine. However, this individual building is not a good representation of the broad theme of community development. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 1356 Real Way has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in Alpine or San Diego County, and therefore is recommended not eligible for the NRHP under Criterion A.

(continued on p. 6)

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:
See Reference section of report

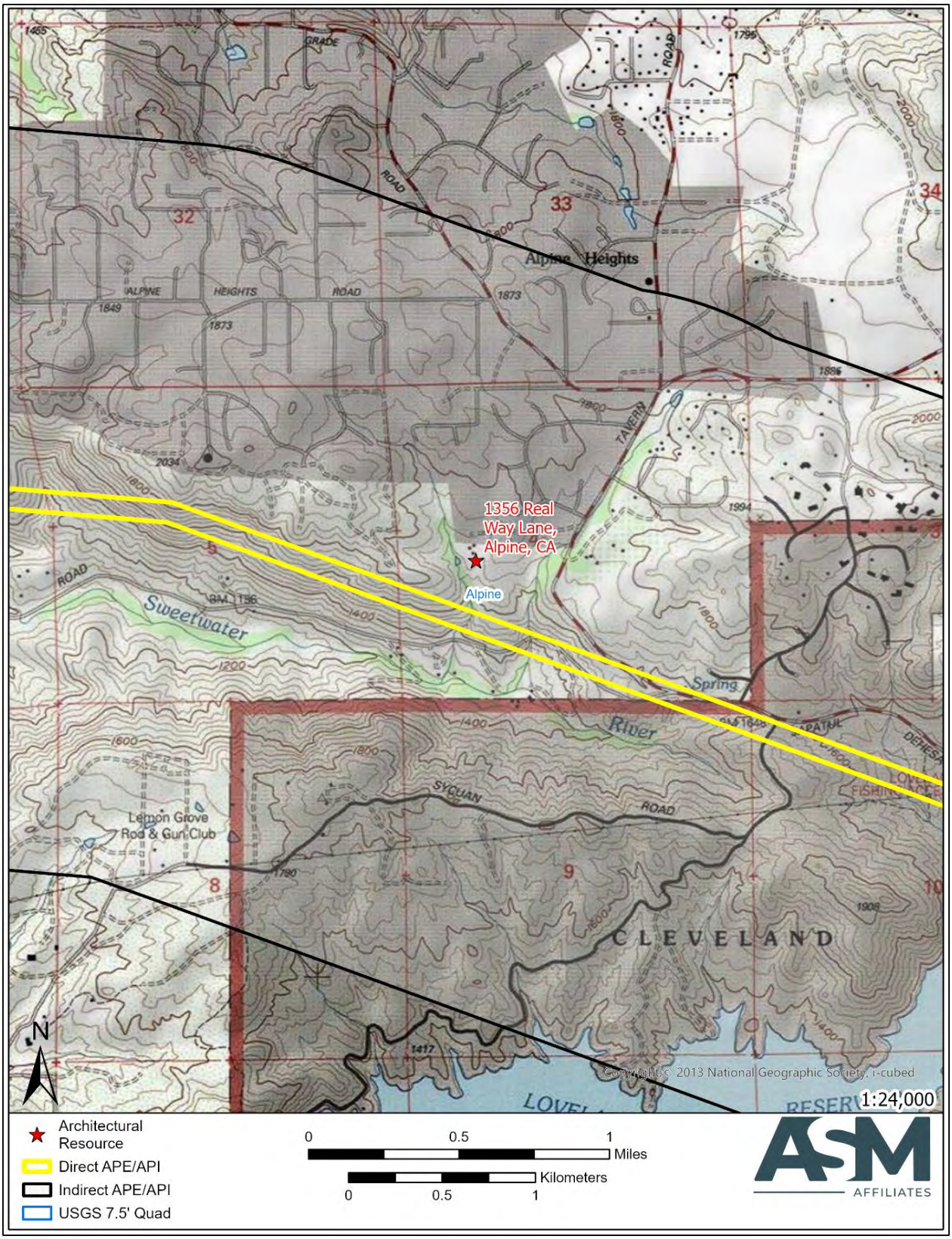
B13. Remarks:
***B14. Evaluator:** ASM Affiliates, Inc. (Emily Steele and Shannon Davis)
***Date of Evaluation:** July 23, 2025.

(This space is reserved for official comments)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

 ***Resource Name or # (Assigned by recorder)** 1356 Real Way
***Map Name:** USGS Cuyamaca Peak, CA 7.5-minute ***Scale:** 1:24,000 ***Date of Map:** August 27, 2025



*Required Information

Image 1. 1356 Real Way primary, west façade, view looking northeast.

Image 2. 1356 Real Way south façade, view looking northeast.

Image 3. 1356 Real Way east façade, view looking northwest.

Image 4. 1356 Real Way north façade, view looking southeast.

***P3a. Description:** (continued from p. 1)
1356 Real Way is a single-family residence constructed in 1935 that continues to serve its original function. For several decades, the area was largely undeveloped (Historicaerials.com 1953, 1964). The extant building was originally constructed in 1935 (San Diego County Assessor n.d.). Comparison of 1968 and 1985 historic aerial photographs to the current building illustrate that the footprint matches that on the 1985 aerial photograph (Historicaerials.com 1968, 1985, 2022). An ancillary building was constructed on the property sometime between 1953 and 1964 but was removed prior to 1986. A third building was constructed between 1985 and 1986 (Historiaerials.com 1985, 1986). No building permits are extant for 1356 Real Way, and no additional site-specific history was uncovered through archival research.

***B10. Significance:** (continued from p. 2)
The building at 1356 Real Way is recommended not eligible under Criterion B. Historic research conducted through historic newspaper archives, Ancestry.com and public records did not reveal any significant people associated with the property.

The building at 1356 Real Way is a Spanish Colonial Revival style building. Archival research did not reveal that it was designed by a master, but the building does exhibit some character-defining features of the Spanish Colonial Revival style, specifically stucco walls, terra cotta tile roof, wood-bracketed eaves, and arched door opening although it lacks other character-defining features of the, such as complex massing; courtyards, loggias or covered porches and/or balconies; arched windows; and single or paired multi-paned windows. The construction of an addition also detracts from the building conveying its original form. As such, 1356 Real Way is recommended not eligible for the NRHP under Criterion C.

Finally, the building at 1356 Real Way is recommended not eligible under Criterion D as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 of 6 ***Resource Name or #:** 2934 La Cresta Road
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**
***a. County:** San Diego and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** El Cajon 1979 T 15 S R **1 E** M.D. **B.M.**
c. Address 2934 La Cresta Road City El Cajon Zip 92021
d. UTM: (give more than one for large and/or linear resources) Zone 11S 510884 mE/ 3630232 mN
e. Other Locational Data: (e.g., parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The building at 2934 La Cresta Road, constructed in 1979, is a single-story rectangular building with horizontal panel vinyl siding. The building has a side gable roof with narrow eaves and asphalt shingles. The primary, south façade is characterized by three vertical sliding vinyl windows and a wooden single door. The east and west façades each have two vertical sliding vinyl windows. The north façade has a single wooden door and three vertical sliding vinyl windows. No alterations appear to have been made to the building since its original construction.

(continued on p. 6)

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single family property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession#)
2934 La Cresta Road overview, view looking northwest.
July 23, 2025

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1979
San Diego County Assessor Office

***P7. Owner and Address:**

***P8. Recorded by:** (Name, affiliation, and address)
Emily Steele
ASM Affiliates, Inc.
2701 Loker Ave W Suite 145
Carlsbad, CA 92010

***P9. Date Recorded:** July 23, 2025

***P10. Survey Type:** (Describe) Pedestrian intensive

***P11. Report Citation:** Miller, Andrew, Shannon Davis, Terrence Luévano, Rachel Ruston, Emily Steele, and Erica Esquer. 2025. *Cultural Resources Technical Report for the Suncrest 230 kV Loop-In Project*. Prepared by ASM Affiliates for Insignia Environmental.

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE, AND OBJECT RECORD

Primary # _____
HRI # _____

***NRHP Status Code** 6Z
***Resource Name or #** (Assigned by recorder) 2934 La Cresta Road

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Single family property
B4. Present Use: Single family property
***B5. Architectural Style:** Vernacular
***B6. Construction History:** **(Construction date, alterations, and date of alterations)**

The building was constructed in 1979. Changes to the building include the replacement of windows.

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** N/A **Original Location:** N/A
*B8. Related Features:
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** Architecture, Community Planning and Development **Area:**
Period of Significance: 1979-1990 **Property Type:** Single family property **Applicable Criteria:** N/A

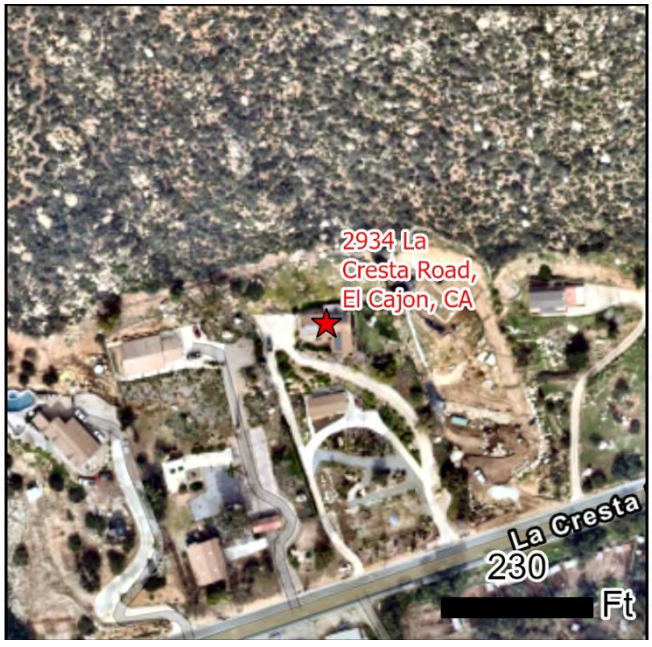
ASM considered the significance of the building at 2934 La Cresta Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 2934 La Cresta Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1979, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 2934 La Cresta Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County, and therefore is recommended not eligible for the NRHP under Criterion A.

(continued on p. 6)

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:
See Reference section of report

B13. Remarks:
***B14. Evaluator:** ASM Affiliates, Inc. (Emily Steele and Shannon Davis)
***Date of Evaluation:** July 23, 2025.

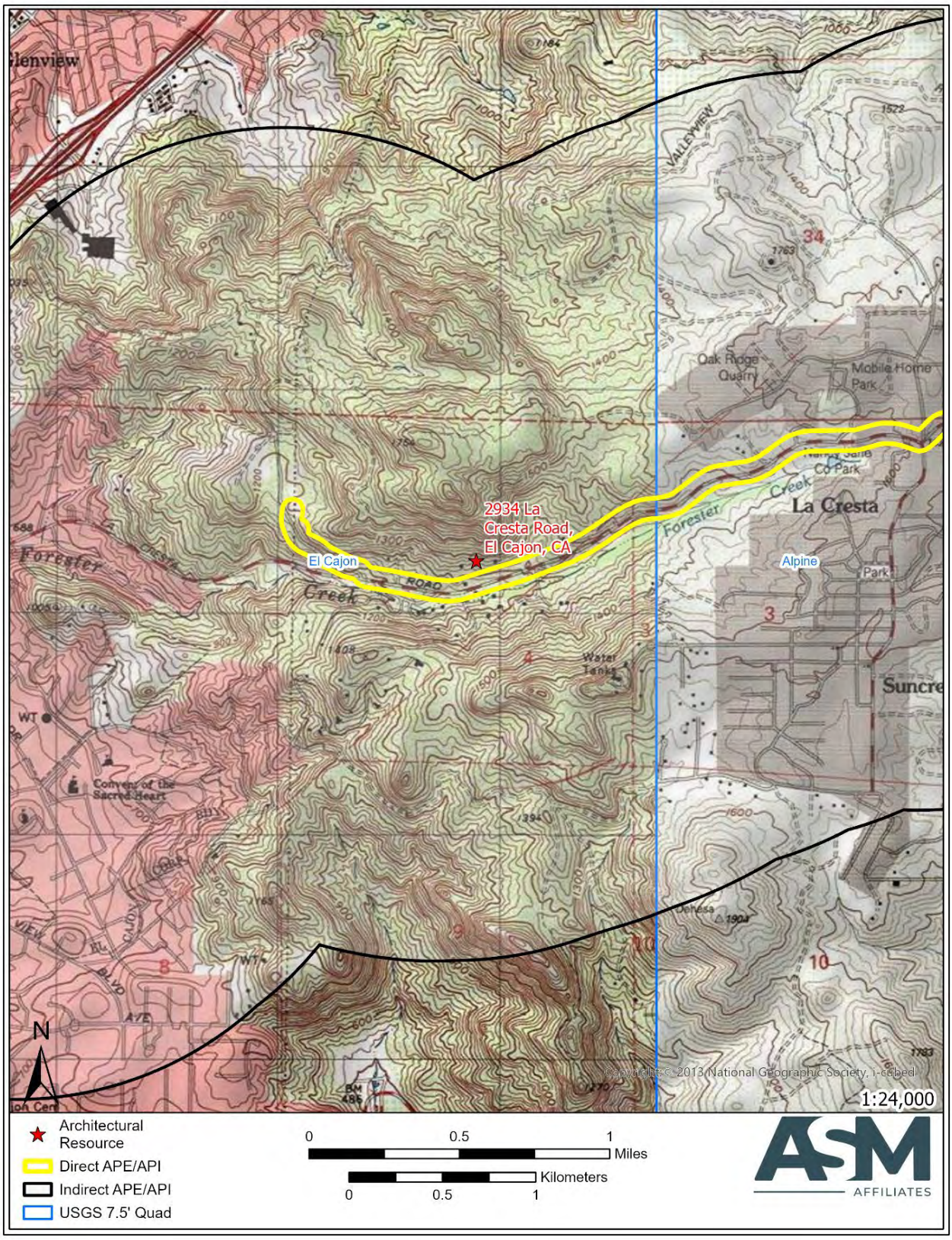


(This space is reserved for official comments)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

 ***Resource Name or # (Assigned by recorder)** 2934 La Cresta Road
***Map Name:** USGS El Cajon, CA 7.5-minute ***Scale:** 1:24,000 ***Date of Map:** August 27, 2025



 *Required Information

Image 1. 2934 La Cresta Road primary, south façade, view looking northwest.

Image 2. 2934 La Cresta Road east façade, view looking northwest.

Image 3. 2934 La Cresta Road west façade, view looking southeast.

Image 4. 2934 La Cresta Road north façade, view looking southeast.

***P3a. Description:** (continued from p. 1)
2934 La Cresta Road is a single-family residence constructed in 1979 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953, 1964). In 1979, the single-family residence was constructed, confirmed by comparison of 1978 and 1981 historic aerial photographs which illustrate that the current footprint matches that on the 1981 aerial photograph (San Diego County Assessor n.d.; Historicaerials.com 1978, 1981, 2022). Since 1981, there have been no major changes to the parcel, but residential development in the neighborhood continued throughout the 1980s (Historicaerial.com 1981, 1988, 2022). No building permits are extant for 2934 La Cresta Road, and no additional site-specific history was uncovered through archival research.

***B10. Significance:** (continued from p. 2)
The building at 2934 La Cresta Road is recommended not eligible under Criterion B. Historic research conducted through historic newspaper archives, Ancestry.com and public records did not reveal any significant people associated with the property.

The vernacular building at 2934 La Cresta Road was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 2934 La Cresta Road is recommended not eligible for the NRHP under Criterion C.

Finally, the building at 2934 La Cresta Road is recommended not eligible under Criterion D as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

 ***Resource Name or #:** 4980 La Cresta Road

P1. Other Identifier:

***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**

***a. County:** San Diego and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad** El Cajon 1979 T 15 S R **1 E** M.D. **B.M.**

c. Address 4980 La Cresta Road City El Cajon Zip 92021

d. UTM: (give more than one for large and/or linear resources) Zone 11S 510803 mE/ 3630035 mN

e. Other Locational Data: (e.g., parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The building at 4980 La Cresta Road, constructed in 1963, is a single-story rectangular plan building with smooth stucco siding. The building has a front gable roof with narrow eaves and asphalt shingles. The primary, west façade is defined by a horizontal sliding vinyl window, a vertical sliding vinyl, and a single wooden door. The south façade has three horizontal sliding vinyl windows, while the north façade has three horizontal sliding vinyl windows and a single wooden door. The east façade has one horizontal sliding vinyl window. Alterations to the building include replacement of all original windows.

(continued on p. 6)

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single family property

***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession#)
4980 La Cresta Road overview, view looking southwest.
July 23, 2025

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1963
San Diego County Assessor Office

***P7. Owner and Address:**

***P8. Recorded by:** (Name, affiliation, and address)
Emily Steele
ASM Affiliates, Inc.
2701 Loker Ave W Suite 145
Carlsbad, CA 92010

***P9. Date Recorded:** July 23, 2025

***P10. Survey Type:** (Describe) Pedestrian intensive

***P11. Report Citation:** Miller, Andrew, Shannon Davis, Terrence Luévano, Rachel Ruston, Emily Steele, and Erica Esquer. 2025. *Cultural Resources Technical Report for the Suncrest 230 kV Loop-In Project*. Prepared by ASM Affiliates for Insignia Environmental.

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE, AND OBJECT RECORD

Primary # _____
HRI # _____

***NRHP Status Code** 6Z
***Resource Name or #** (Assigned by recorder) 4980 La Cresta Road

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Single family property
B4. Present Use: Single family property
***B5. Architectural Style:** Vernacular
***B6. Construction History:** **(Construction date, alterations, and date of alterations)**

The building was constructed in 1963. Changes to the building include the replacement of windows.

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** N/A **Original Location:** N/A
*B8. Related Features:
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** Architecture, Community Planning and Development **Area:**
Period of Significance: 1963-1990 **Property Type:** Single family property **Applicable Criteria:** N/A

ASM considered the significance of the building at 4980 La Cresta Road within the locally significant themes of Agriculture, Community Planning and Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with agricultural production in El Cajon or San Diego County so it cannot represent that theme. 4980 La Cresta Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1963, when the house was constructed, and ending in 1990 which was the end of the period of high population growth in El Cajon. However, this individual building is not a good representation of the broad theme of community development. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development.

(continued on p. 6)

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:
See Reference section of report

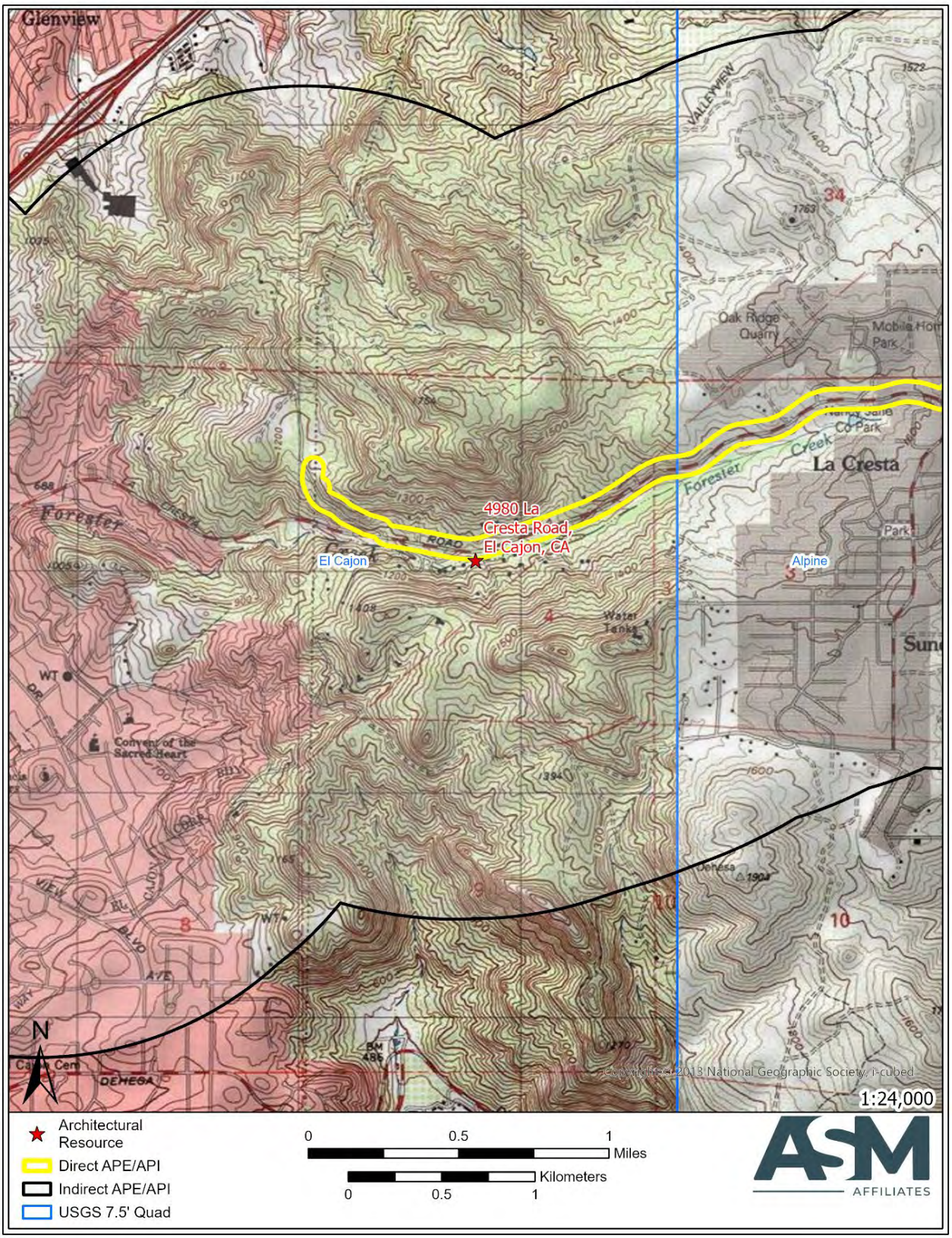
B13. Remarks:
***B14. Evaluator:** ASM Affiliates, Inc. (Emily Steele and Shannon Davis)
***Date of Evaluation:** July 23, 2025.

(This space is reserved for official comments)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

 ***Resource Name or # (Assigned by recorder)** 4980 La Cresta Road
***Map Name:** USGS El Cajon, CA 7.5-minute ***Scale:** 1:24,000 ***Date of Map:** August 27, 2025



 *Required Information

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary #
HRI #
Trinomial

Page 4 of 6 ***Resource Name or # (Assigned by recorder)** 4980 La Cresta Road
Recorded by: Emily Steele **Date:** July 23, 2025

Image 1. 4980 La Cresta Road primary, west façade view looking northeast.

Image 2. 4980 La Cresta Road south façade, view looking northwest.

Image 3. 4980 La Cresta Road north façade, view looking south.

Image 4. 4980 La Cresta Road east façade, view looking southwest.

***P3a. Description:** (continued from p. 1)
4980 La Cresta Road contains two single-family residences constructed in 1963 that continue to serve their original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953, 1964). Since 1964, there have been no major changes to the parcel, but residential development in the neighborhood continued throughout the 1980s (Historicaerials.com 1981, 1988, 2022). No building permits are extant for 4980 La Cresta Road, and no additional site-specific history was uncovered through archival research.

***B10. Significance:** (continued from p. 2)
As such, the building located at 4980 La Cresta Road has not made a significant contribution to the broad patterns of local history, specifically Community Planning and Development in El Cajon or San Diego County, and therefore is recommended not eligible for the NRHP under Criterion A.

The building at 4980 La Cresta Road is recommended not eligible under Criterion B. Historic research conducted through historic newspaper archives, Ancestry.com and public records did not reveal any significant people associated with the property.

The vernacular building at 4980 La Cresta Road was constructed simply without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. There are other buildings in El Cajon and San Diego County that better represent architectural significance. Archival research did not reveal that it was designed by a master, nor does it possess high artistic values. As such, 4980 La Cresta Road is recommended not eligible for the NRHP under Criterion C.

Finally, the building at 4980 La Cresta Road is recommended not eligible under Criterion D as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 3S

Other Listings
Review Code Reviewer Date

Page 1 of 4 ***Resource Name or #:** 7701 Dehesa Road
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**
***a. County:** San Diego and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Cuyamaca Peak 1960 T 16 S R **2 E** M.D. **B.M.**
c. Address 7701 Dehesa Road City Alpine Zip 91901
d. UTM: (give more than one for large and/or linear resources) Zone 11S 519937 mE/ 3629691 mN
e. Other Locational Data: (e.g. parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

This property was not accessible as a locked gate prohibited access and the building was not visible from the portion of the property ASM was able to access, nor the public right of way. 7701 Dehesa Road is a single-family residence constructed in 1945 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953). The surrounding area experienced residential development in the 1960s (Historicaerials.com 1964). Only minor changes have occurred on the parcel since the 1960s, such as changes to vegetation (Historicaerials.com 1964, 1985, 2022).

(continued on p. 4)

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single Family Property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession#)
Aerial image of parcel, curtesy of Google Maps.
August 28, 2025

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1945
San Diego County Assessor Office

***P7. Owner and Address:**

***P8. Recorded by:** (Name, affiliation, and address)
Emily Steele
ASM Affiliates, Inc.
2701 Loker Ave W Suite 145
Carlsbad, CA 92010

***P9. Date Recorded:** July 23, 2025

***P10. Survey Type:** (Describe) Pedestrian intensive

***P11. Report Citation:** Miller, Andrew, Shannon Davis, Terrence Luévano, Rachel Ruston, Emily Steele, and Erica Esquer. 2025. *Cultural Resources Technical Report for the Suncrest 230 kV Loop-In Project*. Prepared by ASM Affiliates for Insignia Environmental.

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE, AND OBJECT RECORD

Primary # _____
HRI # _____

***NRHP Status Code** 3S
***Resource Name or #** (Assigned by recorder) 7701 Dehesa Road

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Single family property
B4. Present Use: Single family property
***B5. Architectural Style:** Vernacular
***B6. Construction History:** **(Construction date, alterations, and date of alterations)**

The building was constructed in 1945. No major changes have been noted to the building since its original construction

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** N/A **Original Location:** N/A
*B8. Related Features:
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** **Area:**

Period of Significance: N/A **Property Type:** Single family property **Applicable Criteria: N/A**

ASM could not survey 7701 Dehesa Road. Based on the limited information uncovered on the property, 7701 Dehesa Road is unlikely to be eligible for association with locally significant themes of Agriculture, Recreation, and Community Development, under NRHP Criteria A, B, or D. Based on historic aerial images it is assumed to be a vernacular building with a rectangular floor plan. 7701 Dehesa Road is assumed eligible for the NRHP under Criterion C solely for the purposes of this project to be able to assess the potential for effects on eligible properties.

(continued on p. 6)

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:
See Reference section of report

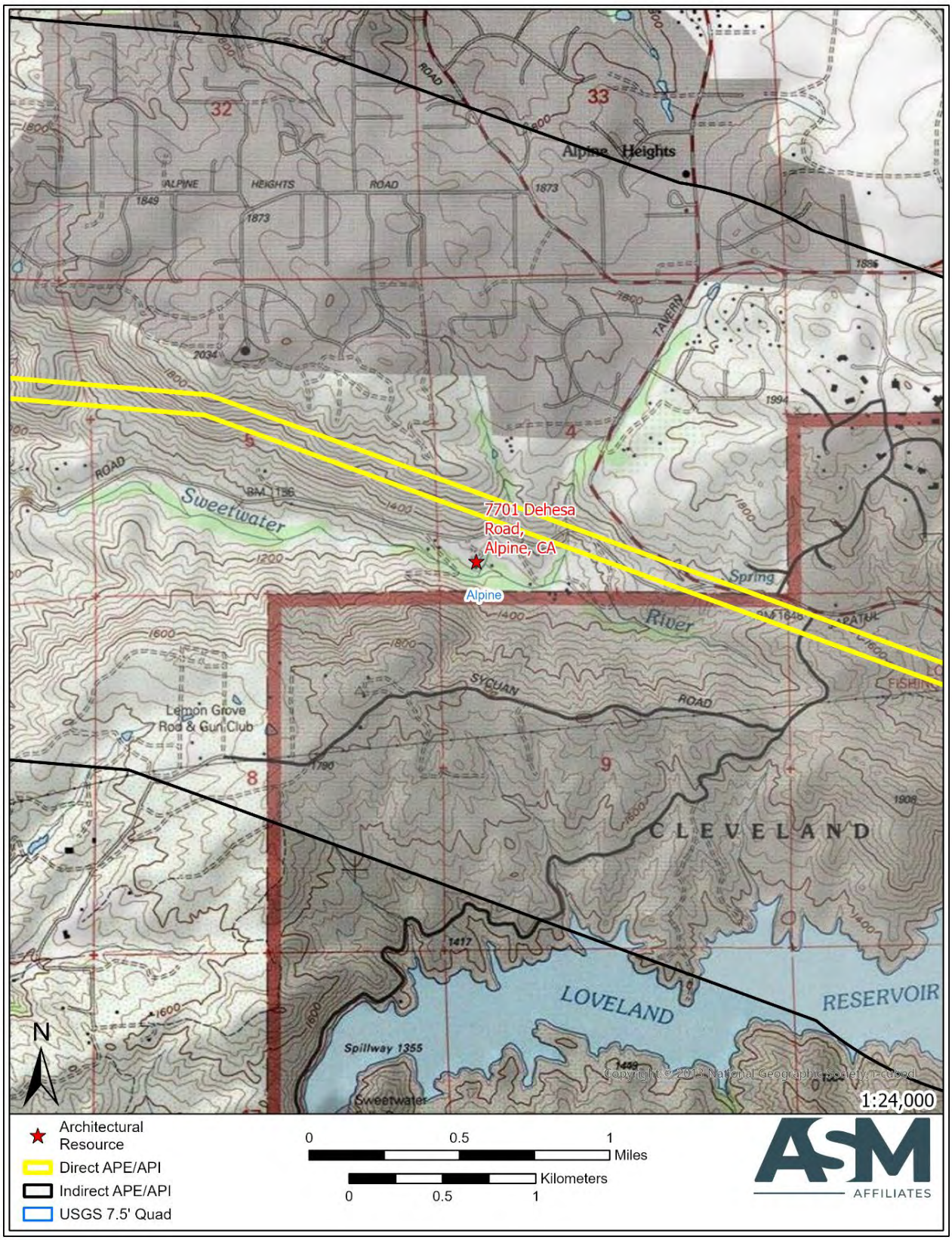
B13. Remarks:
***B14. Evaluator:** ASM Affiliates, Inc. (Emily Steele and Shannon Davis)
***Date of Evaluation:** July 23, 2025.

(This space is reserved for official comments)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

 ***Resource Name or # (Assigned by recorder)** 7701 Dehesa Road
***Map Name:** USGS Cuyamaca Peak, CA 7.5-minute ***Scale:** 1:24,000 ***Date of Map:** August 27, 2025



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***P3a. Description:** (continued from p. 1)
No building permits are extant for 7701 Dehesa Road, and no additional site-specific history was uncovered through archival research.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

Page 1 of 6 ***Resource Name or #:** 19509 Japatul Road
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**
***a. County:** San Diego and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Cuyamaca Peak 1960 T 16 S R **2 E** M.D. **B.M.**
c. Address 19509 Japatul Road City Alpine Zip 91901
d. UTM: (give more than one for large and/or linear resources) Zone 11S 525270 mE/ 3627787 mN
e. Other Locational Data: (e.g., parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

19509 Japatul Road, constructed in 1971, is a single-story, rectangular plan building with board and batten wood siding. The side gable roof is clad in standing seam metal with wide eaves that extend over the north and south facades. The primary, north façade is characterized by a wooden front door that is covered by a screen door, three horizontal sliding rectangular vinyl windows, and one large fixed square vinyl window. The west and east facades have no doors, but the west façade has six fixed rectangular vinyl windows, while the east façade has two fixed rectangular vinyl window. The south façade has a single glass door, a sliding glass door, and two rectangular horizontal sliding vinyl windows. There is also a wooden deck extending from the south façade. Alterations have been made to the building including the replacement of the original windows and changes to the roof cladding.

(continued on p. 6)

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single family property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession#)
West façade, view looking southeast.
July 23, 2025

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1971
San Diego County Assessor Office

***P7. Owner and Address:**

***P8. Recorded by:** (Name, affiliation, and address)
Emily Steele
ASM Affiliates, Inc.
2701 Loker Ave W Suite 145
Carlsbad, CA 92010

***P9. Date Recorded:** July 23, 2025

***P10. Survey Type:** (Describe) Pedestrian intensive

***P11. Report Citation:** Miller, Andrew, Shannon Davis, Terrence Luévano, Rachel Ruston, Emily Steele, and Erica Esquer. 2025. *Cultural Resources Technical Report for the Suncrest 230 kV Loop-In Project*. Prepared by ASM Affiliates for Insignia Environmental.

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE, AND OBJECT RECORD

Primary # _____
HRI # _____

***NRHP Status Code** 6Z
***Resource Name or #** (Assigned by recorder) 19509 Japatul Road

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Single family property
B4. Present Use: Single family property
***B5. Architectural Style:** Vernacular with Modern elements
***B6. Construction History:** **(Construction date, alterations, and date of alterations)**

The building was constructed in 1971. Changes to the building include replacement of windows and siding.

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** N/A **Original Location:** N/A
*B8. Related Features:
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** **Area:**

Period of Significance: 1971-1980 **Property Type:** Single family property **Applicable Criteria:** N/A

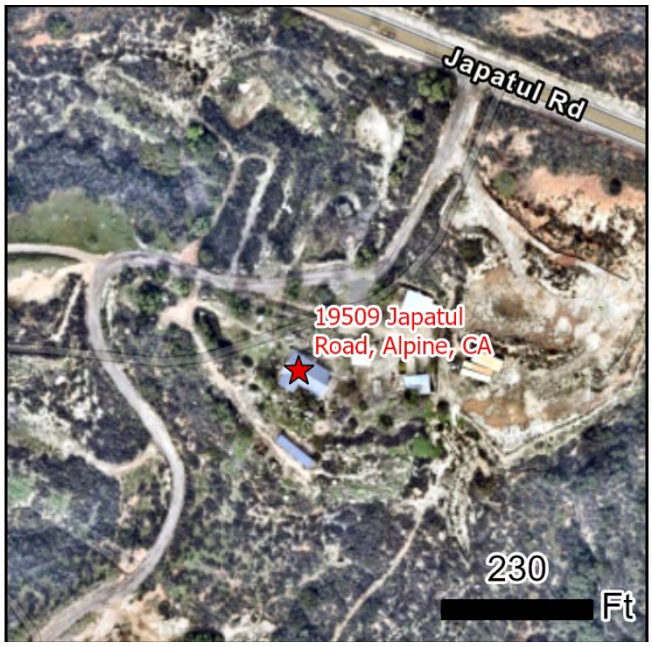
ASM considered the significance of the building at 19509 Japatul Road within the locally significant themes of Agriculture, Recreation, Community Development, and Architecture during the mid- to late twentieth century. Under NRHP Criterion A, the residence was not associated with recreation nor agricultural production in Alpine or San Diego County so it cannot represent those themes. 19509 Japatul Road was associated with residential development in the late twentieth century, with the potential period of significance considered for the property beginning in 1971, when the house was constructed, and ending in 1980, reflecting Alpine's largest increase in development.

(continued on p. 6)

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:
See Reference section of report

B13. Remarks:
***B14. Evaluator:** ASM Affiliates, Inc. (Emily Steele and Shannon Davis)
***Date of Evaluation:** July 23, 2025.

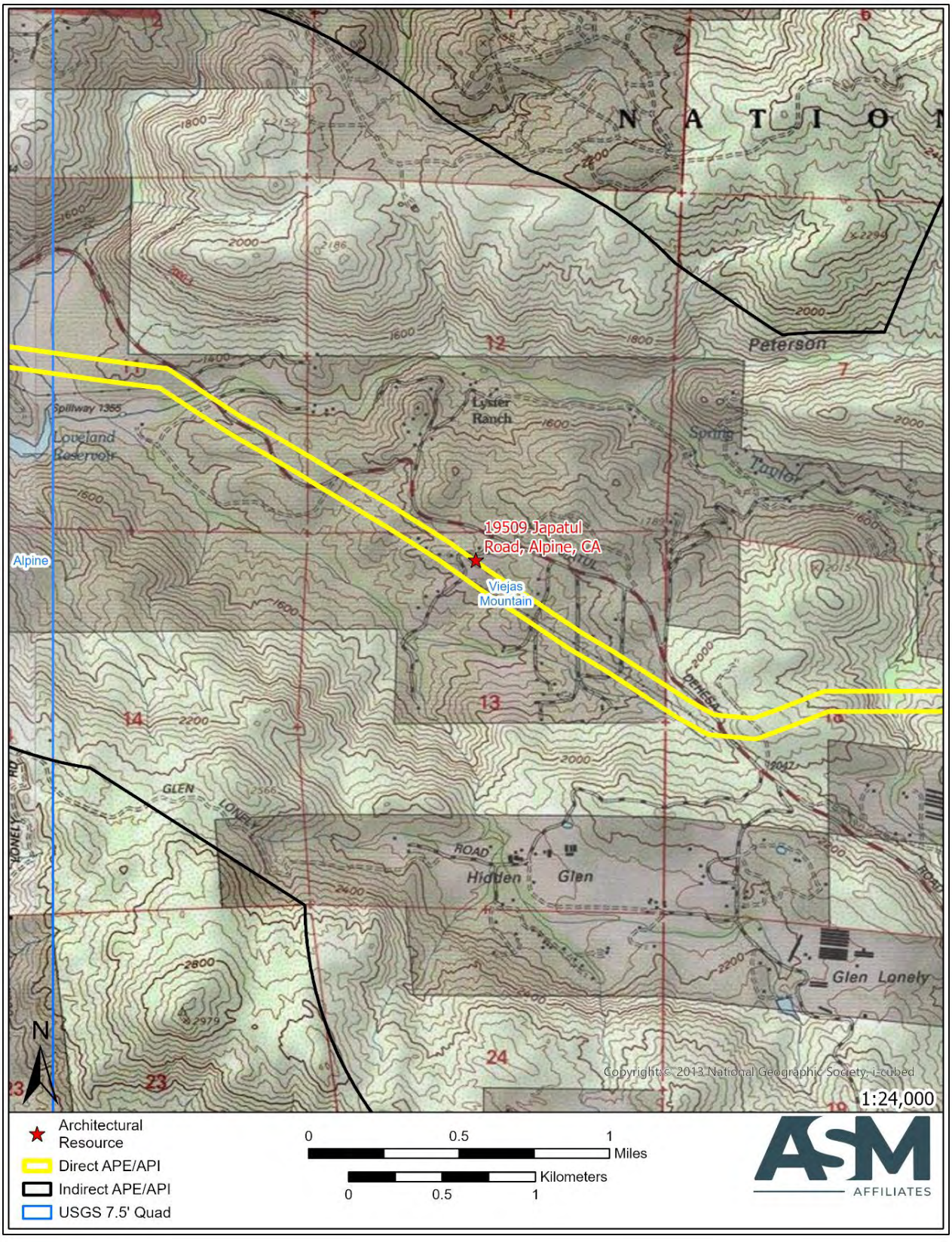


(This space is reserved for official comments)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

 ***Resource Name or # (Assigned by recorder)** 19509 Japatul Road
***Map Name:** USGS Cuyamaca Peak, CA 7.5-minute ***Scale:** 1:24,000 ***Date of Map:** August 27, 2025



 *Required Information

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

Primary #
HRI #
Trinomial

 ***Resource Name or # (Assigned by recorder)** 19509 Japatul Road
Recorded by: Emily Steele **Date:** July 23, 2025

Image 1. 19509 Japatul Road primary, north façade, view looking south.

Image 2. 19509 Japatul Road west façade, view looking east.

Image 3. 19509 Japatul Road east façade, view looking west.

Image 4. 19509 Japatul Road south façade, view looking northwest.

***P3a. Description:** (continued from p. 1)
19509 Japatul Road is a single-family residence with associated garage constructed in 1971 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1953, 1964). By 1964, one small road/driveway leading from Japatul Road had been constructed (Historicaerials.com 1968). In 1971, the single-family residence and a detached garage were constructed, confirmed by comparison of 1968 and 1985 historic aerial photographs which illustrate that the current footprint matches that on the 1985 aerial photograph (San Diego County Assessor n.d.; Historicaerials.com 1968, 1985, 2022). Only minor changes have occurred on the parcel since the 1970s; a barn was added to the property circa 2005, northeast of the main house (Historicaerials.com 1985, 2005). No building permits are extant for 19509 Japatul Road, and no additional site-specific history was uncovered through archival research.

***B10. Significance:** (continued from p. 2)
However, this individual building is not a good representation of the broad theme of community development, nor are, in comparison, the numerous other residences constructed in Alpine in the 1970s. The significance of that theme is best conveyed by a group of buildings, such as a historic district, located in a concentrated area of residential development. As such, the building located at 19509 Japatul Road has not made a significant individual contribution to the broad patterns of local history, specifically Community Development in Alpine or San Diego County, and therefore is recommended not eligible for the NRHP under Criterion A.

The building at 19509 Japatul Road is recommended not eligible under Criterion B. Historic research conducted through historic newspaper archives, Ancestry.com and public records did not reveal any significant people associated with the property.

The vernacular building at 19509 Japatul Road was constructed simply, without significant influence from any architectural style or movement and was likely never a good representation of any architectural style. The building has been highly altered since its original construction. Alterations and additions to the building after 1975 have resulted in a building that lacks distinctive characteristics of a type, period, or method of construction. Archival research did not reveal that it was designed by a master, nor does it possess high artistic value. As such, 19509 Japatul Road is recommended not eligible for the NRHP under Criterion C.

Finally, the building at 19509 Japatul Road is recommended not eligible under Criterion D as it does not have the potential to yield information important to prehistory or history that cannot be obtained through historic research.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 3S

Other Listings
Review Code Reviewer Date

Page 1 of 4 ***Resource Name or #:** 19515 Japatul Road
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**
***a. County:** San Diego and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Cuyamaca Peak 1960 T 16 S R **2 E** M.D. **B.M.**
c. Address 19515 Japatul Road City Alpine Zip 91901
d. UTM: (give more than one for large and/or linear resources) Zone 11S 525069 mE/ 3627788 mN
e. Other Locational Data: (e.g., parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

This property was not accessible as the owner has not granted permission to enter the parcel, and the building was only partially visible from an adjacent parcel to which access was granted. Photographs found on a real-estate website from the house's last sale in 2023 were utilized for this description (Zillow 2025). The building at 19515 Japatul Road, constructed in 1973, is a rectangular plan building influenced by southern California's Spanish Colonial Revival and Ranch styles. The building has rough patterned stucco siding and front gable roof clad in terra cotta tiles. Characteristics of the building include horizontal sliding aluminum-frame windows with wooden shutters, narrow eaves, and a sliding glass door. There appear to be no major alterations to the building.

(continued on p. 4)

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single Family Property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession#)
Aerial image of parcel, curtesy of Google Maps.
August 28, 2025

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1973
San Diego County Assessor Office

***P7. Owner and Address:**

***P8. Recorded by:** (Name, affiliation, and address)
Emily Steele
ASM Affiliates, Inc.
2701 Loker Ave W Suite 145
Carlsbad, CA 92010

***P9. Date Recorded:** July 23, 2025

***P10. Survey Type:** (Describe) Pedestrian intensive

***P11. Report Citation:** Miller, Andrew, Shannon Davis, Terrence Luévano, Rachel Ruston, Emily Steele, and Erica Esquer. 2025. *Cultural Resources Technical Report for the Suncrest 230 kV Loop-In Project*. Prepared by ASM Affiliates for Insignia Environmental.

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE, AND OBJECT RECORD

Primary # _____
HRI # _____

***NRHP Status Code** 3S
***Resource Name or #** (Assigned by recorder) 19515 Japatul Road

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Single family property
B4. Present Use: Single family property
***B5. Architectural Style:** Vernacular
***B6. Construction History:** **(Construction date, alterations, and date of alterations)**

The building was constructed in 1973. No major changes have been noted to the building since its original construction

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** N/A **Original Location:** N/A
*B8. Related Features:
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** **Area:**

Period of Significance: N/A **Property Type:** Single family property **Applicable Criteria: N/A**

As the property owners have not granted access to the parcel, ASM was not able to survey 19515 Japatul Road but we were able to review recent photographs of the building from its most recent sale in 2023. Based on review of those photos, it is unlikely that 19515 Japatul Road could represent locally significant themes of Agriculture, Recreation, Community Development, and Architecture during the mid- to late twentieth century. However, as ASM was not able to survey and definitively evaluate the potential resource, 19515 Japatul Road is assumed eligible for the NRHP under Criterion C solely for the purposes of this project to be able to assess the potential for effects on eligible properties.

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:
See Reference section of report

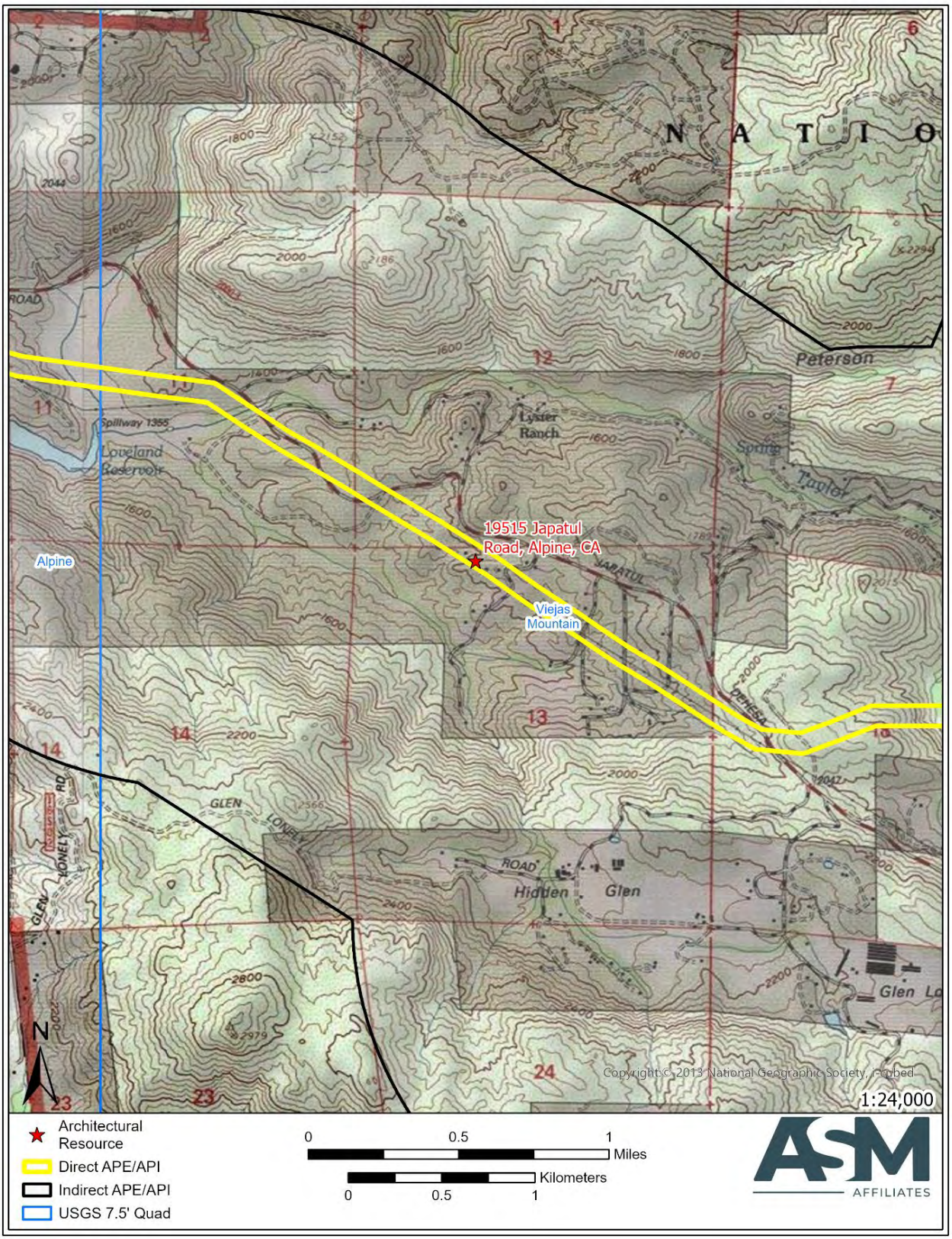
B13. Remarks:
***B14. Evaluator:** ASM Affiliates, Inc. (Emily Steele and Shannon Davis)
***Date of Evaluation:** July 23, 2025.

(This space is reserved for official comments)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 of 4 ***Resource Name or # (Assigned by recorder)** 19515 Japatul Road
***Map Name:** USGS Cuyamaca Peak, CA 7.5-minute ***Scale:** 1:24,000 ***Date of Map:** August 27, 2025



***P3a. Description:** (continued from p. 1)
19515 Japatul Road is a single-family residence constructed in 1973 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicerials.com 1953, 1964). By 1968, one small road leading to 19515 Japatul Road had been constructed (Historicaerials.com 1968). In 1973, the single-family residence was constructed, confirmed by comparison of 1968 and 1985 historic aerial photographs which illustrate that the current footprint matches that on the 1985 aerial photograph (San Diego County Assessor n.d.; Historicaerials.com 1968, 1985, 2022). A smaller building was added to the property circa 2005, south of the main house (Historicaerials.com 1985, 2005). No building permits are extant for 19515 Japatul Road, and no additional site-specific history was uncovered through archival research.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 3S

Other Listings
Review Code Reviewer Date

Page 1 of 4 ***Resource Name or #:** 19785 Japatul Road
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**
***a. County:** San Diego and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Cuyamaca Peak 1960 T 16 S R **2 E** M.D. **B.M.**
c. Address 19785 Japatul Road City Alpine Zip 91901
d. UTM: (give more than one for large and/or linear resources) Zone 11S 525872 mE/ 3627370 mN
e. Other Locational Data: (e.g., parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

This property was not accessible as a locked gate prohibited access and the building was not visible from the portion of the property ASM was able to access, nor the public right of way. 19785 Japatul Road is a single-family residence constructed in 1970 that continues to serve its original function. Prior to construction, the area was largely undeveloped, as evidenced on historic aerial photographs (Historicaerials.com 1954, 1964). By 1968, one small road/driveway leading to 19785 Japatul Road had been constructed (Historicaerials.com 1968). In 1970, the residential building was constructed, confirmed by comparison of 1968 and 1985 historic aerial photographs which illustrate that the current footprint matches that on the 1985 aerial photograph (San Diego County Assessor n.d.; Historicaerials.com 1968, 1985, 2022).

(continued on p. 4)

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single Family Property
***P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: (view, date, accession#)
Aerial image of parcel, curtesy of Google Maps.
August 28, 2025

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1970
San Diego County Assessor Office

***P7. Owner and Address:**

***P8. Recorded by:** (Name, affiliation, and address)
Emily Steele
ASM Affiliates, Inc.
2701 Loker Ave W Suite 145
Carlsbad, CA 92010

***P9. Date Recorded:** July 23, 2025

***P10. Survey Type:** (Describe) Pedestrian intensive

***P11. Report Citation:** Miller, Andrew, Shannon Davis, Terrence Luévano, Rachel Ruston, Emily Steele, and Erica Esquer. 2025. *Cultural Resources Technical Report for the Suncrest 230 kV Loop-In Project*. Prepared by ASM Affiliates for Insignia Environmental.

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☒ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE, AND OBJECT RECORD

Primary # _____
HRI # _____

***NRHP Status Code** 3S
***Resource Name or #** (Assigned by recorder) 19785 Japatul Road

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Single family property
B4. Present Use: Single family property
***B5. Architectural Style:** Vernacular
***B6. Construction History:** **(Construction date, alterations, and date of alterations)**

The building was constructed in 1970. No major changes have been noted since its original construction.

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** N/A **Original Location:** N/A
*B8. Related Features:
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** **Area:**

Period of Significance: N/A **Property Type:** Single family property **Applicable Criteria: N/A**

ASM was not able to survey 19785 Japatul Road. Based on the limited information uncovered on the property, 19785 Japatul Road is unlikely to be eligible for association with locally significant themes of Agriculture, Recreation, and Community Development, under NRHP Criteria A, B, or D. Based on historic aerial images it is assumed to be a small vernacular building with a rectangular floor plan. 19785 Japatul Road is assumed eligible for the NRHP under Criterion C solely for the purposes of this project to be able to assess the potential effects on eligible properties.

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:
See Reference section of report

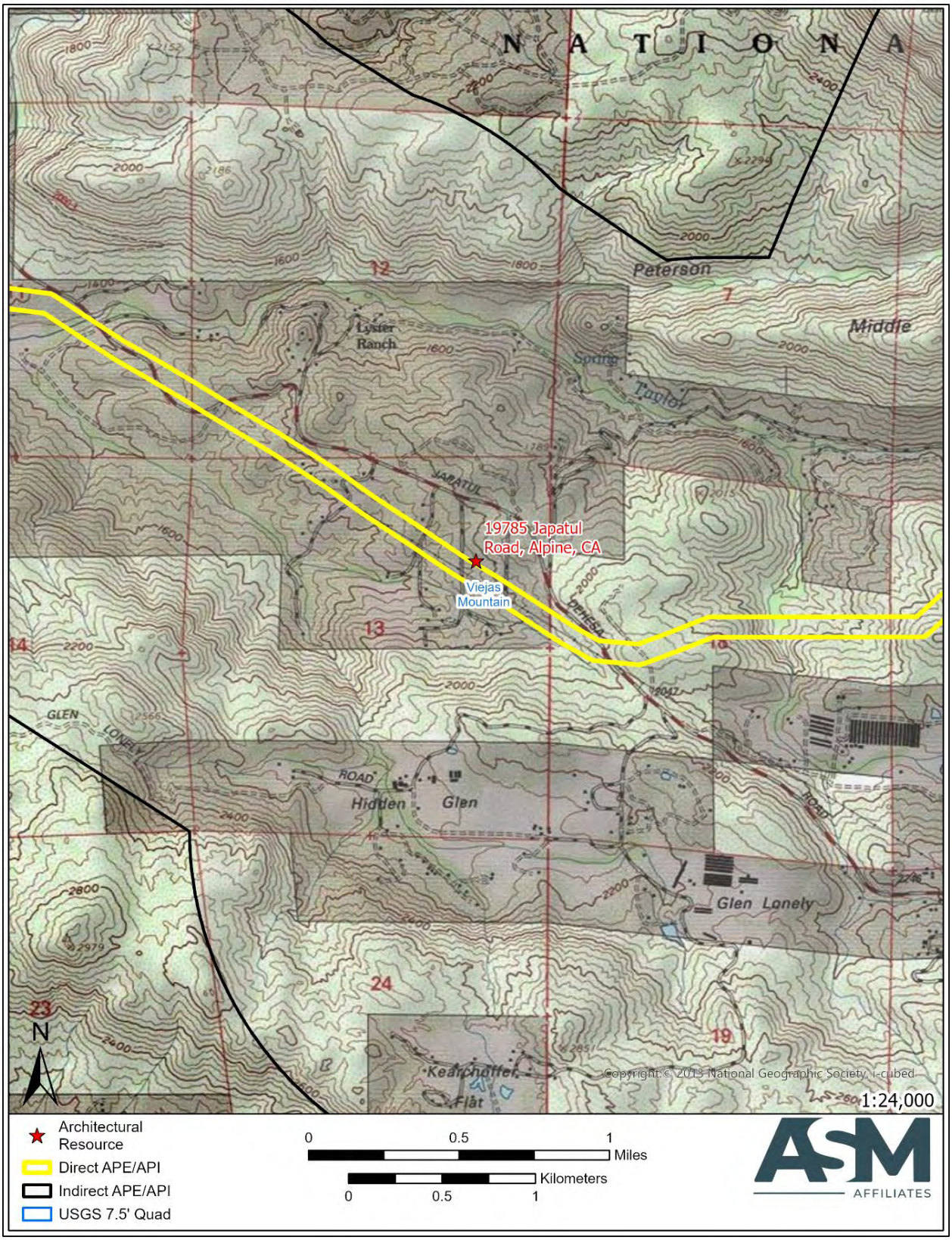
B13. Remarks:
***B14. Evaluator:** ASM Affiliates, Inc. (Emily Steele and Shannon Davis)
***Date of Evaluation:** July 23, 2025.

(This space is reserved for official comments)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

 ***Resource Name or # (Assigned by recorder)** 19785 Japatul Road
***Map Name:** USGS Cuyamaca Peak, CA 7.5-minute ***Scale:** 1:24,000 ***Date of Map:** August 27, 2025



*Required Information

***P3a. Description:** (continued from p. 1)
Only minor changes have occurred on the parcel since 1985. An auxiliary building was added, slightly northwest of the main house, sometime before 1990, and trees and plants adjacent to the house have matured (Historicaerials.com 1985, 1990, 2022). No building permits are extant for 19785 Japatul Road, and no additional site-specific history was uncovered through archival research.

APPENDIX G

Built Environment Photos

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Photo 1. 19509 Japatul Road overview, view looking southeast.

Photo 2. 19509 Japatul Road primary, north façade, view looking south.

Photo 3. 19509 Japatul Road west façade, view looking east.

Photo 4. 19509 Japatul Road east façade, view looking west.

Photo 5. 19509 Japatul Road south façade, view looking northwest.

Photo 6. 1356 Real Way overview, view looking east.

Photo 7. 1356 Real Way primary, west façade, view looking northeast.

Photo 8. 1356 Real Way south façade, view looking northeast.

Photo 9. 1356 Real Way east façade, view looking northwest.

Photo 10. 1356 Real Way north façade, view looking southeast.

Photo 11. 518 Mountain View Road overview, view looking northwest.

Photo 12. 518 Mountain View Road primary, east façade, view looking west.

Photo 13. 518 Mountain View Road north façade, view looking southwest.

Photo 14. 518 Mountain View Road south façade and south portion of property, view looking northwest.

Photo 15. 122 Mountain View Road overview, view looking northwest.

Photo 16. 122 Mountain View Road east façade, view looking west.

Photo 17. 122 Mountain View Road south façade, view looking north.

Photo 18. 122 Mountain View Road north façade, view looking south.

Photo 19. 1090 La Cresta Boulevard overview, view looking east.

Photo 20. 1090 La Cresta Boulevard primary, west façade, view looking southeast.

Photo 21. 1090 La Cresta Boulevard south façade, view looking northeast.

Photo 22. 1090 La Cresta Boulevard north façade, view looking southeast.

Photo 23. 1093 La Cresta Boulevard overview, view looking east.

Photo 24. 1093 La Cresta Boulevard south portion of primary, east façade, view looking west.

Photo 25. 1093 La Cresta Boulevard north portion of primary, east façade, view looking southwest.

Photo 26. 1093 La Cresta Boulevard south façade, view looking north.

Photo 27. 1093 La Cresta Boulevard north façade, view looking south.

Photo 28. 115 La Cresta Road overview, view looking east.

Photo 29. 115 La Cresta Road primary, north façade, view looking southeast.

Photo 30. 115 La Cresta Road south portion of west façade, view looking east.

Photo 31. 115 La Cresta Road south façade, view looking northeast.

Photo 32. 128 La Cresta Road overview, view looking northwest.

Photo 33. 128 La Cresta Road primary, north façade, view looking southwest.

Photo 34. 128 La Cresta Road east façade, view looking northwest.

Photo 35. 128 La Cresta Road south façade, view looking northwest.

Photo 36. 141 Sage Road primary, east façade, view looking southwest.

Photo 37. 141 Sage Road north façade, view looking southwest.

Photo 38. 141 Sage Road south façade, view looking north.

Photo 39. 141 Sage Road west façade, view looking southeast.

Photo 40. 235 La Cresta Road primary, north façade, view looking south.

Photo 41. 235 La Cresta Road east façade, view looking southwest.

Photo 42. 235 La Cresta Road south façade, view looking northwest.

Photo 43. 235 La Cresta Road west façade, view looking northeast.

Photo 44. 248 La Cresta Road overview, view looking southeast.

Photo 45. 248 La Cresta Road primary, west façade view looking southeast.

Photo 46. 248 La Cresta Road south façade, view looking north.

Photo 47. 248 La Cresta Road east façade, view looking northwest.

Photo 48. 248 La Cresta Road north façade, view looking southeast.

Photo 49. 367 La Cresta Road overview, view looking northeast.

Photo 50. 367 La Cresta Road primary, south façade, view looking north.

Photo 51. 367 La Cresta Road east façade, view looking northwest.

Photo 52. 367 La Cresta Road west portion of north façade view looking southwest.

Photo 53. 367 La Cresta Road east portion of north façade, view looking southeast.

Photo 54. 367 La Cresta Road north façade, view looking southeast.

Photo 55. 2934 La Cresta Road overview, view looking northwest.

Photo 56. 2934 La Cresta Road primary, south façade, view looking northwest.

Photo 57. 2934 La Cresta Road east façade, view looking northwest.

Photo 58. 2934 La Cresta Road west façade, view looking southeast.

Photo 59. 2934 La Cresta Road north façade, view looking southeast.

Photo 60. 4980 La Cresta Road overview, view looking southwest.

Photo 61. 4980 La Cresta Road primary, west façade view looking northeast.

Photo 62. 4980 La Cresta Road south façade, view looking northwest.

Photo 63. 4980 La Cresta Road north façade, view looking south.

Photo 64. 4980 La Cresta Road east façade, view looking southwest.

APPENDIX H
Built Environment Maps

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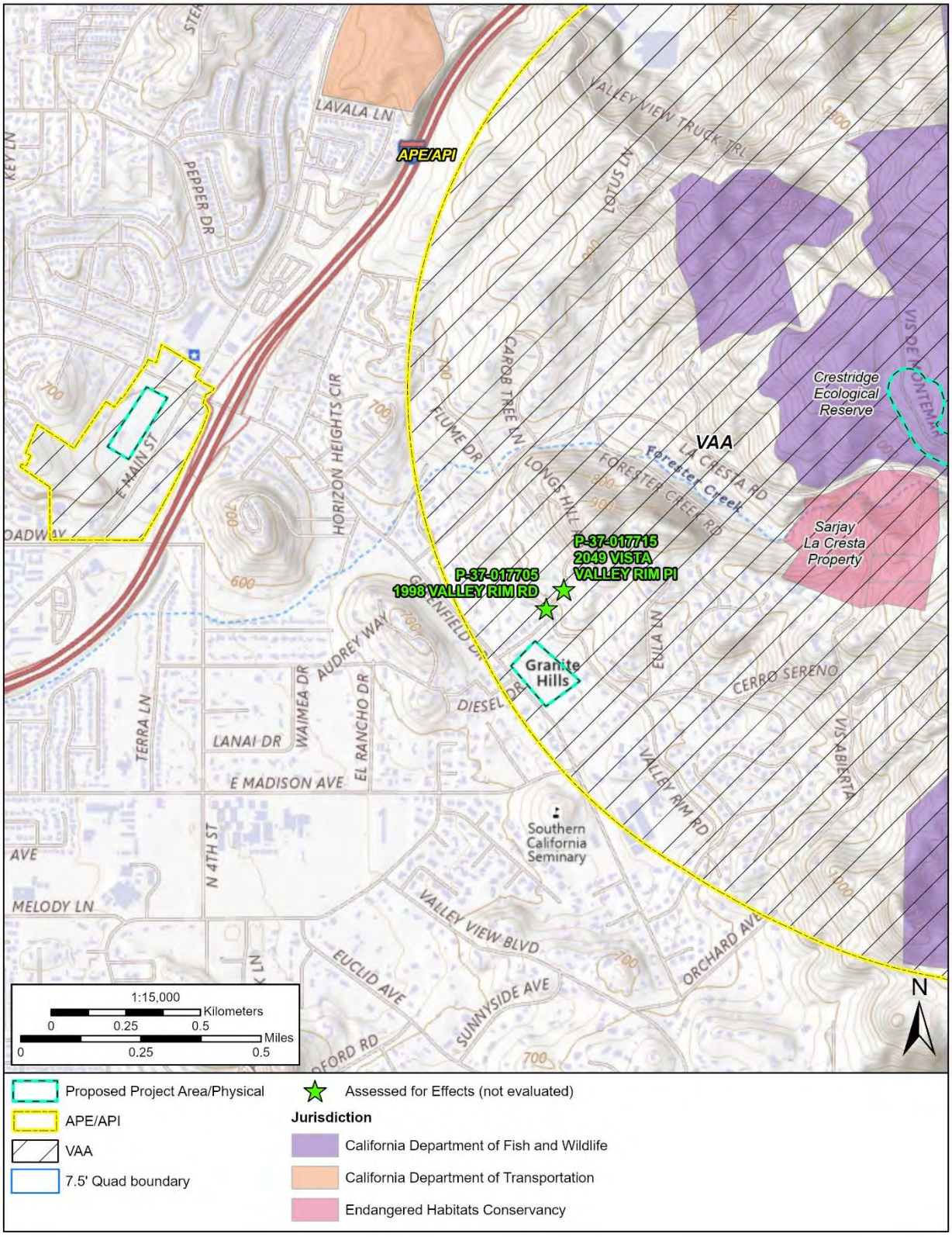
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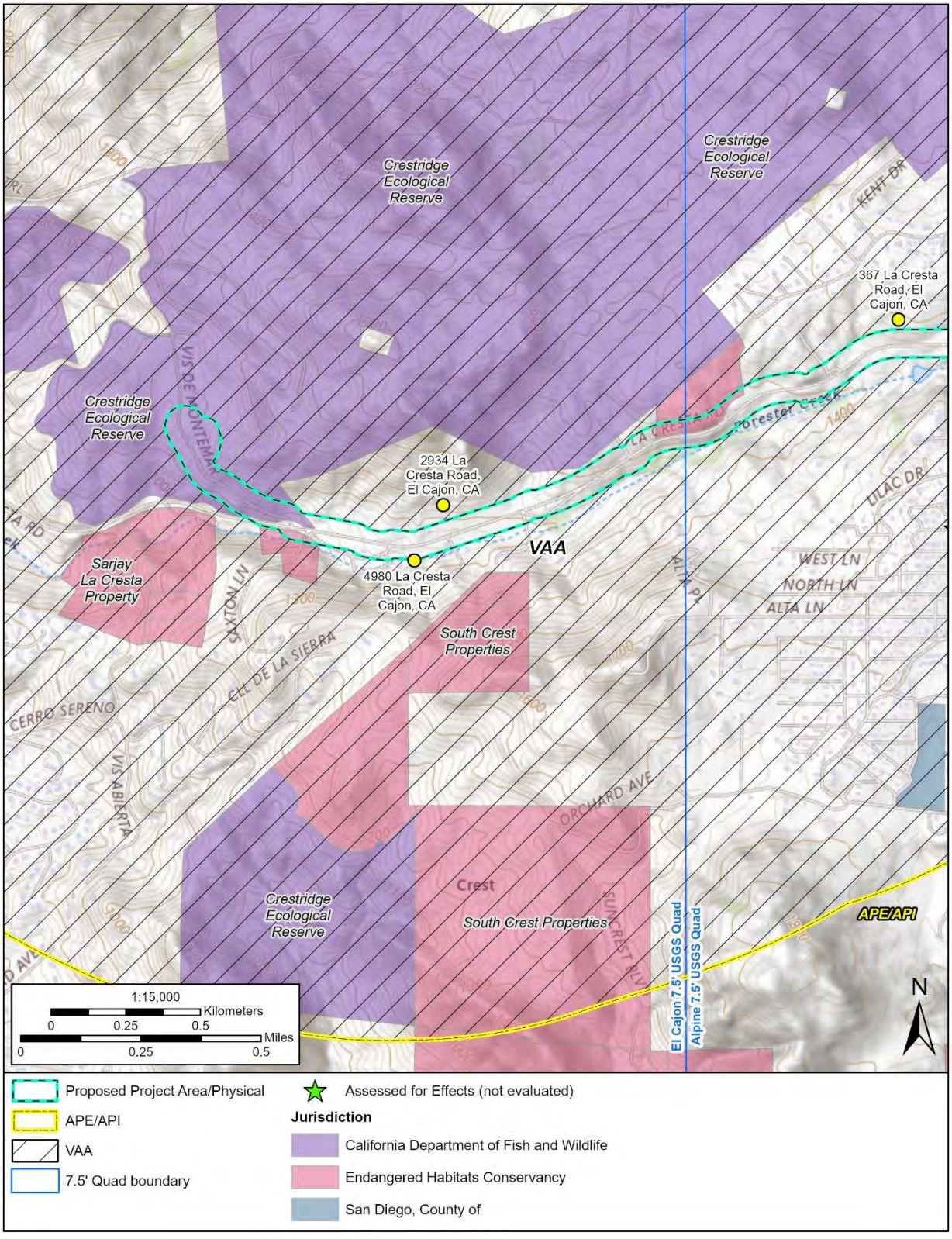
VAA
P-37-017715
2049 VISTA
VALLEY RIM PL
P-37-017705
1998 VALLEY RIM RD
Granite Hills
Crestridge Ecological Reserve
Sarjay La Cresta Property
Forester Creek
Southern California Seminary
LAVALA LN
PEPPER DR
VALLEY VIEW TRUCK TRL
LOTUS LN
CAROB TREE LN
FLUME DR
LONGS HILL
FORESTER CREEK RD
LA CRESTA RD
VIS DE MONTEMAR
HORIZON HEIGHTS CIR
E MAIN ST
AUDREY WAY
WAIMEA DR
EL RANCHO DR
GLENFIELD DR
DIESEL DR
ENLA LN
CERRO SERENO
VIS ABIERTA
VALLEY RIM RD
TERRA LN
LANAI DR
E MADISON AVE
N 4TH ST
MELODY LN
VALLEY VIEW BLVD
EUCLID AVE
SUNNYSIDE AVE
ORCHARD AVE
1:15,000
Kilometers
0 0.25 0.5
Miles
0 0.25 0.5
N
Proposed Project Area/Physical
APE/API
VAA
7.5' Quad boundary
Assessed for Effects (not evaluated)
Jurisdiction
California Department of Fish and Wildlife
California Department of Transportation
Endangered Habitats Conservancy


Crestridge Ecological Reserve
Crestridge Ecological Reserve
Crestridge Ecological Reserve
Crestridge Ecological Reserve
367 La Cresta Road, El Cajon, CA
2934 La Cresta Road, El Cajon, CA
4980 La Cresta Road, El Cajon, CA
VAA
Sarjay La Cresta Property
South Crest Properties
South Crest Properties
Crest
APE/API
El Cajon 7.5' USGS Quad
Alpine 7.5' USGS Quad
KENT DR
LA CRESTA RD
Forester Creek
LILAC DR
WEST LN
NORTH LN
ALTA LN
ALTA PL
SAXTON LN
CLL DE LA SIERRA
CERRO SERENO
VIS ABIERTA
VIS DE MONTEMAR
ORCHARD AVE
SUNCREST BLVD
1:15,000
Kilometers
0 0.25 0.5
Miles
0 0.25 0.5
N
Proposed Project Area/Physical
APE/API
VAA
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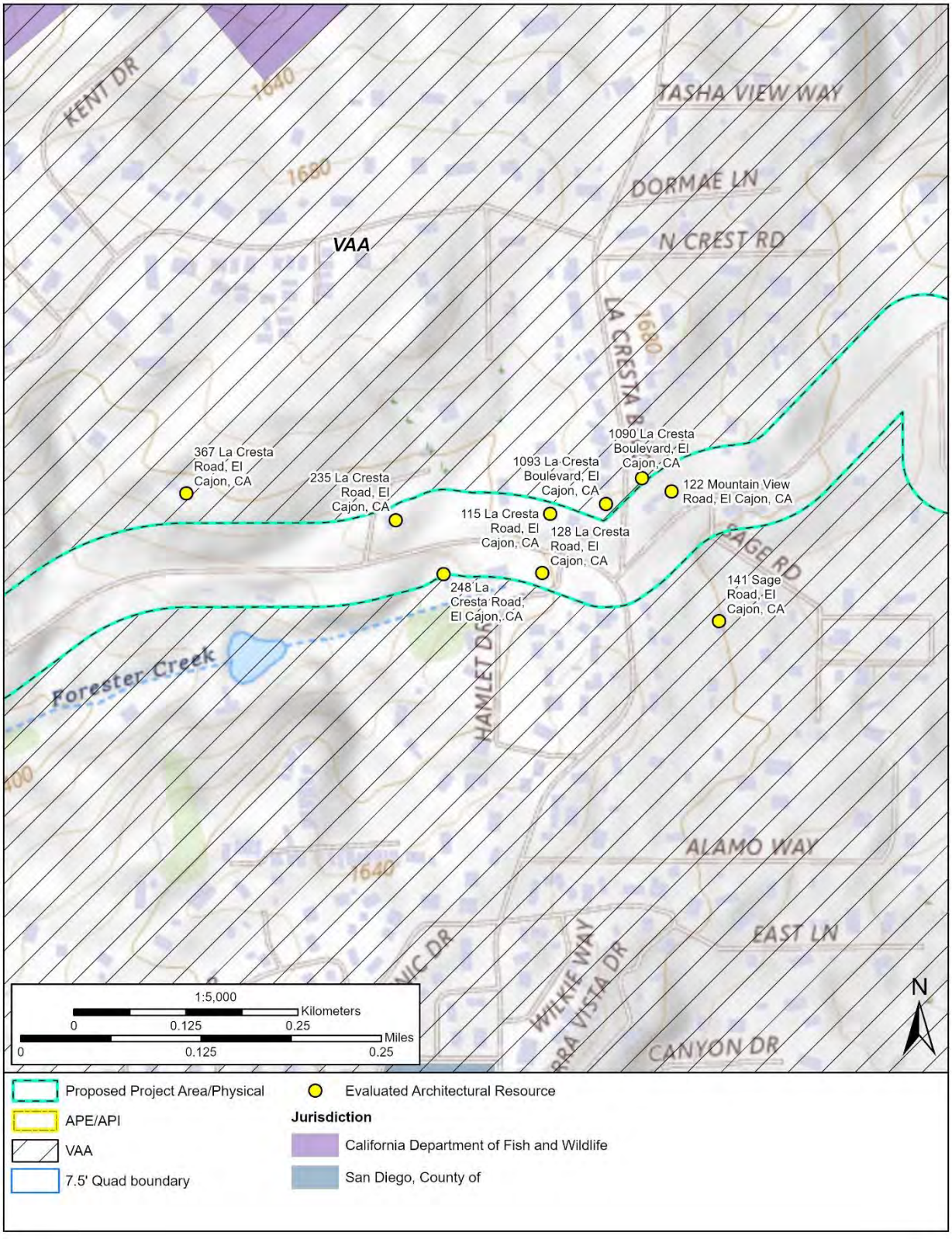
Jurisdiction
California Department of Fish and Wildlife
Endangered Habitats Conservancy
San Diego, County of


KENT DR
1640
TASHA VIEW WAY
1680
DORMAE LN
VAA
N CREST RD
LA CRESTA
1680
1090 La Cresta Boulevard, El Cajon, CA
367 La Cresta Road, El Cajon, CA
1093 La Cresta Boulevard, El Cajon, CA
122 Mountain View Road, El Cajon, CA
235 La Cresta Road, El Cajon, CA
115 La Cresta Road, El Cajon, CA
128 La Cresta Road, El Cajon, CA
SAGE RD
248 La Cresta Road, El Cajon, CA
141 Sage Road, El Cajon, CA
Forester Creek
HAMLET DR
400
ALAMO WAY
1640
EAST LN
WILKIE WAY
CANYON DR
1:5,000
Kilometers
0
0.125
0.25
Miles
0
0.125
0.25
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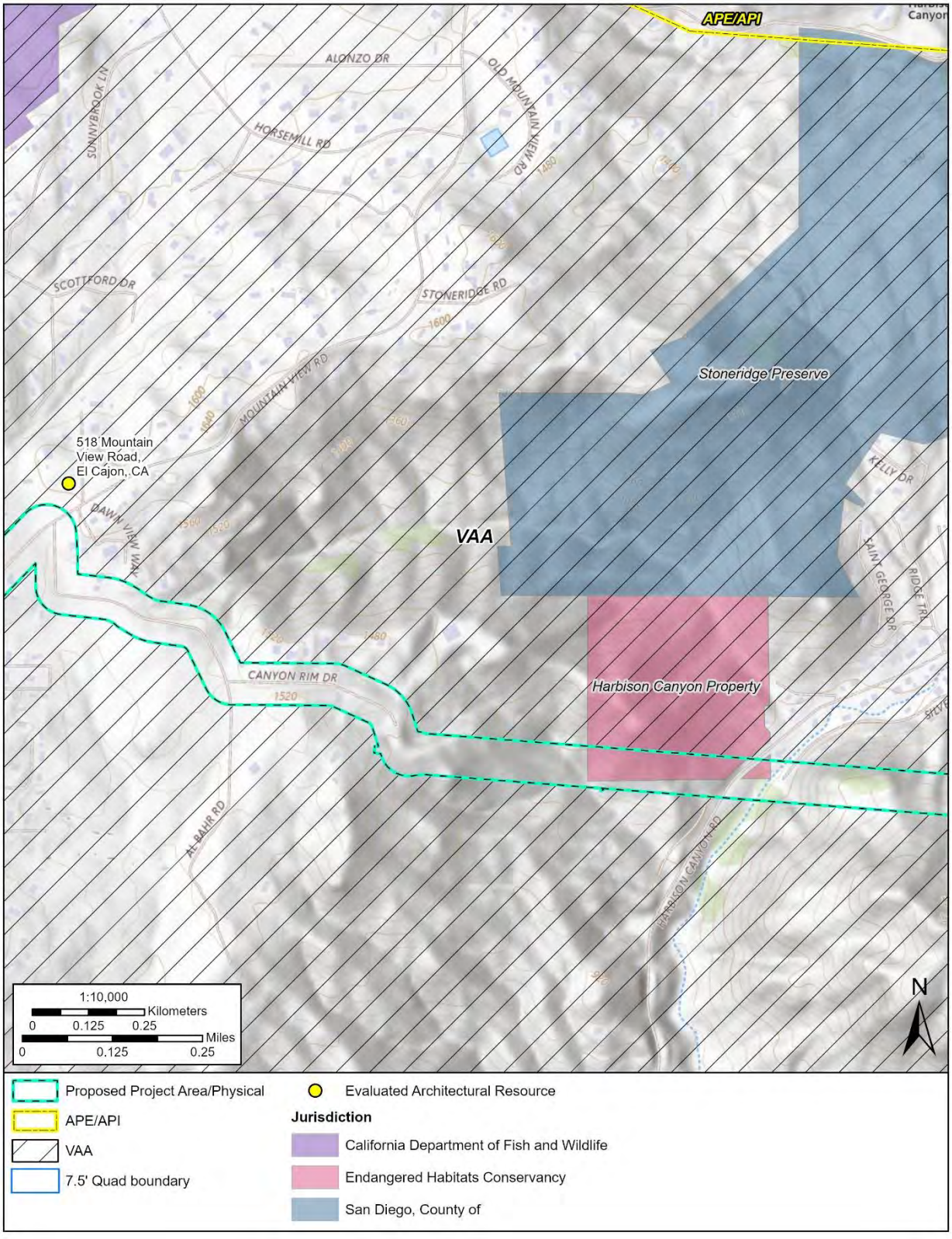
Proposed Project Area/Physical
APE/API
VAA
7.5' Quad boundary
Evaluated Architectural Resource
Jurisdiction
California Department of Fish and Wildlife
San Diego, County of


APE/API
ALONZO DR
SUNNYBROOK LN
HORSEMILL RD
OLD MOUNTAIN VIEW RD
SCOTTFORD DR
STONERIDGE RD
MOUNTAIN VIEW RD
Stoneridge Preserve
518 Mountain View Road, El Cajon, CA
DAWN VIEW WAY
VAA
KELLY DR
SAINT GEORGE DR
RIDGE TR
CANYON RIM DR
Harbison Canyon Property
AL BAHR RD
HARBISON CANYON RD
1:10,000
Kilometers
0 0.125 0.25
Miles
0 0.125 0.25
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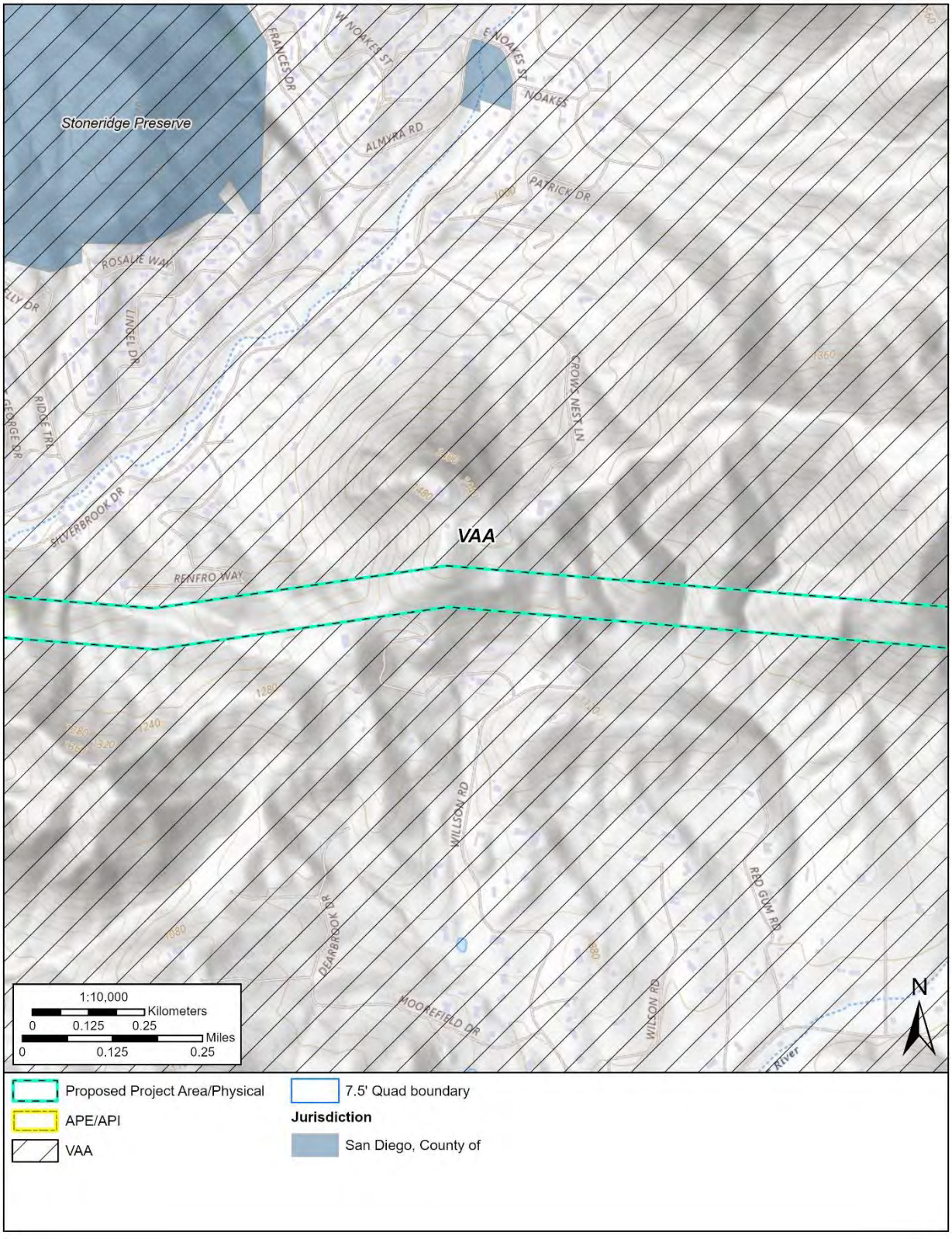
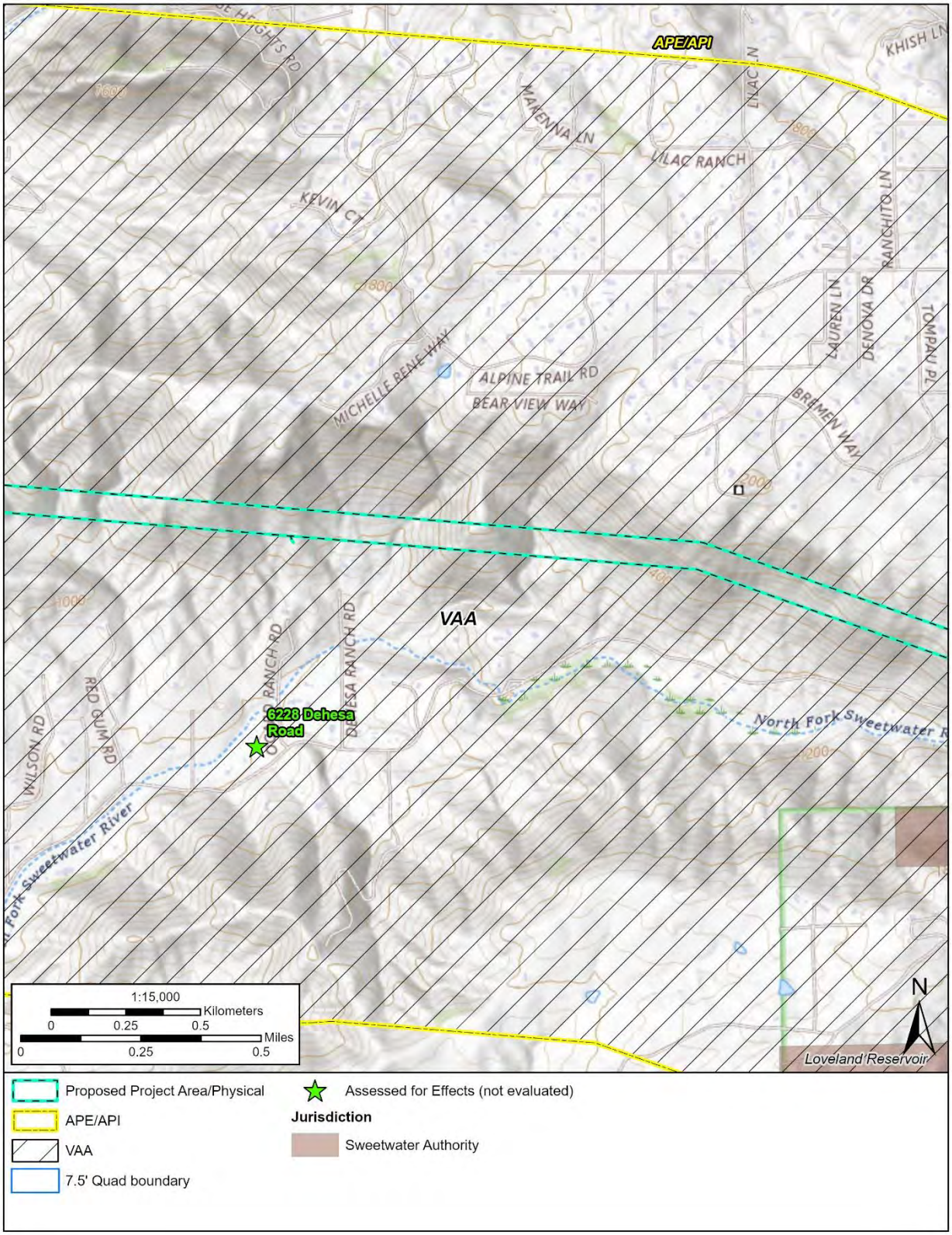
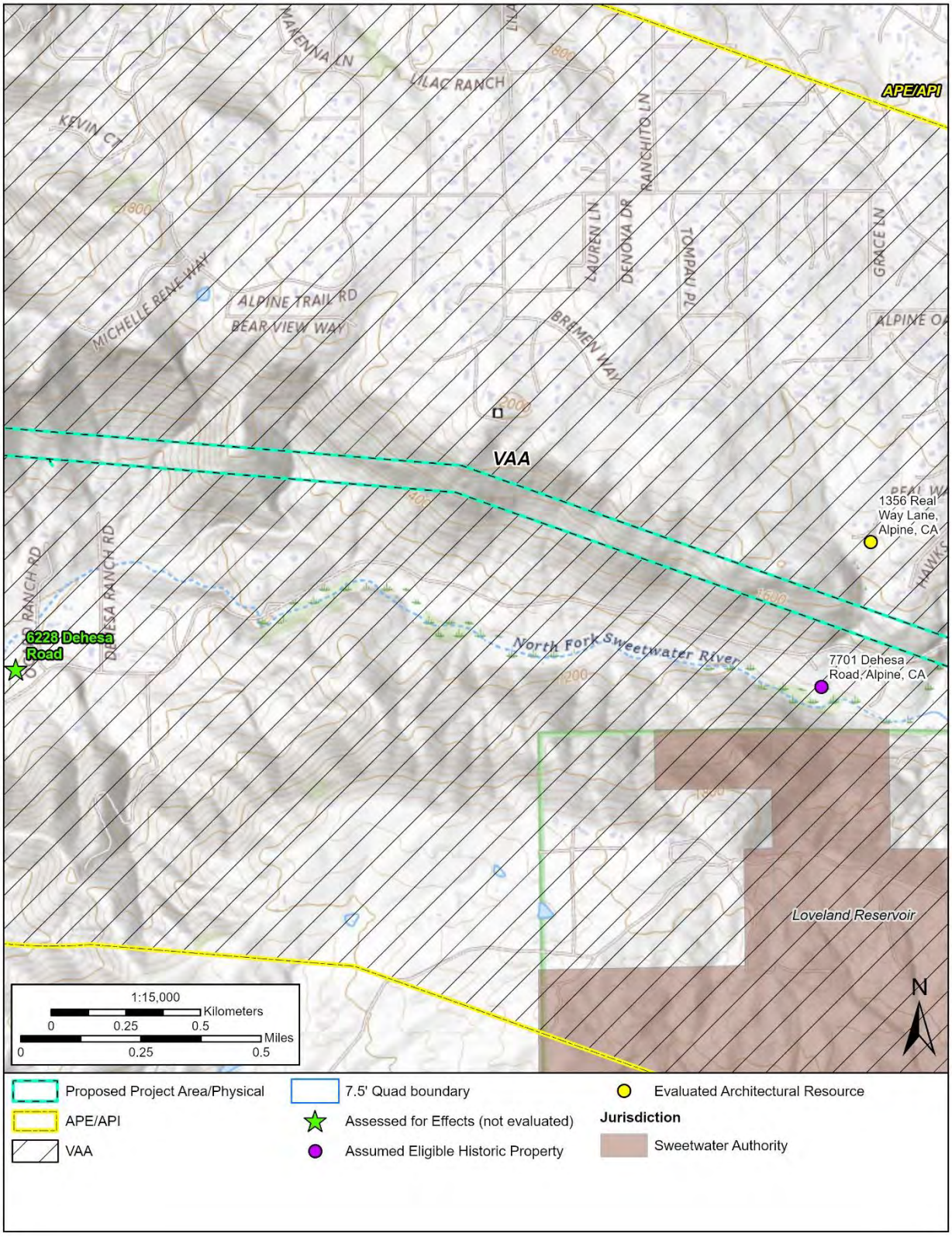
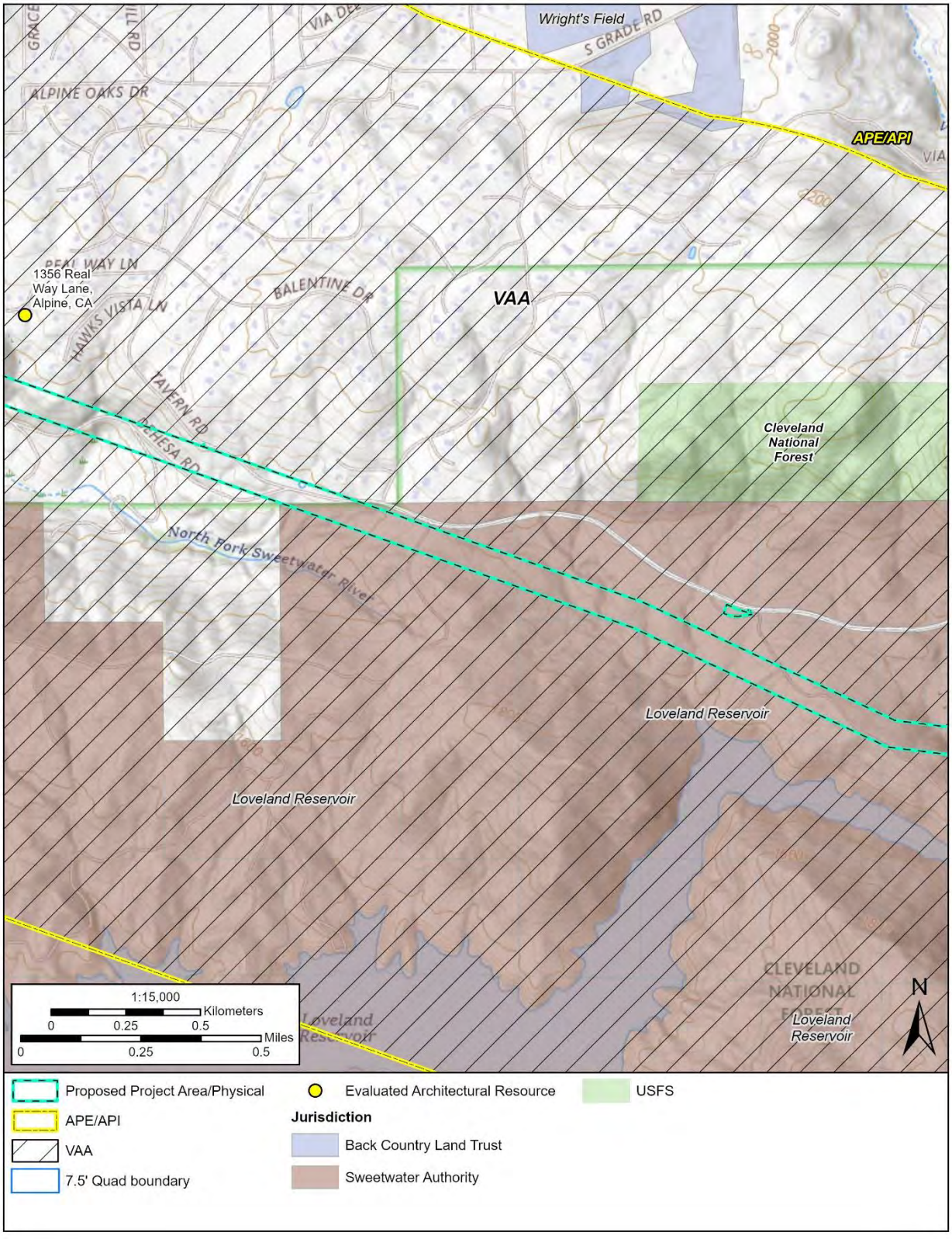
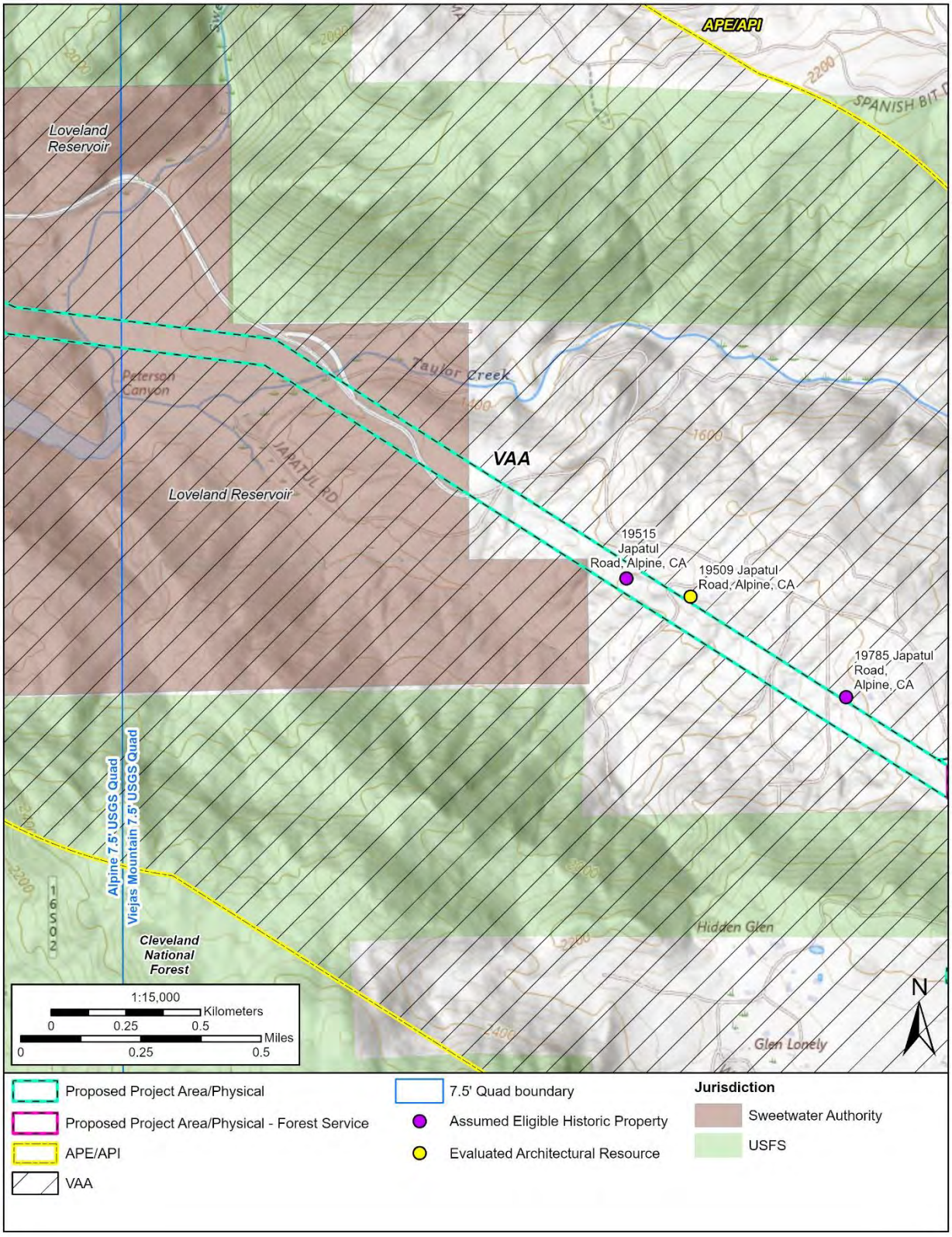
APE/API
VAA
7.5' Quad boundary
Evaluated Architectural Resource
Jurisdiction
California Department of Fish and Wildlife
Endangered Habitats Conservancy
San Diego, County of


Stoneridge Preserve
FRANCES DR
W NOAKES ST
E NOAKES ST
NOAKES
ALMYRA RD
PATRICK DR
ROSALIE WAY
LINSEL DR
RIDGE TRL
GEORGE DR
CROWS NEST LN
SILVERBROOK DR
VAA
RENFRO WAY
WILLSON RD
DEARBROOK DR
MOOREFIELD DR
RED GUM RD
WILSON RD
River
1:10,000
Kilometers
0 0.125 0.25
Miles
0 0.125 0.25
N
Proposed Project Area/Physical
APE/API
VAA
7.5' Quad boundary
Jurisdiction
San Diego, County of


APE/API
VAA
6228 Dehesa Road
MAKENNA LN
LILAC RANCH
KEVIN CT
MICHELLE RENE WAY
ALPINE TRAIL RD
BEAR VIEW WAY
LAUREN LN
DENOVA DR
RANCHITO LN
TOMPAU PL
BREMEN WAY
KHISH LN
LILAC LN
DEHESA RANCH RD
RED GUM RD
WILSON RD
North Fork Sweetwater R
Fork Sweetwater River
Loveland Reservoir
1:15,000
Kilometers
0 0.25 0.5
Miles
0 0.25 0.5
N
Proposed Project Area/Physical
APE/API
VAA
7.5' Quad boundary
Assessed for Effects (not evaluated)
Jurisdiction
Sweetwater Authority


APE/API
VAA
6228 Dehesa Road
1356 Real Way Lane, Alpine, CA
7701 Dehesa Road, Alpine, CA
North Fork Sweetwater River
Loveland Reservoir
MAENNA LN
LILAC RANCH
KEVIN CT
MICHELLE RENE WAY
ALPINE TRAIL RD
BEAR VIEW WAY
LAUREN LN
DENOVA DR
RANCHITO LN
TOMPAU PL
GRACE LN
BREMEN WAY
DEHESA RANCH RD
1:15,000
Kilometers
0 0.25 0.5
Miles
0 0.25 0.5
N
Proposed Project Area/Physical
APE/API
VAA
7.5' Quad boundary
Assessed for Effects (not evaluated)
Assumed Eligible Historic Property
Evaluated Architectural Resource
Jurisdiction
Sweetwater Authority


Wright's Field
S GRADE RD
ALPINE OAKS DR
APE/API
1356 Real Way Lane, Alpine, CA
BALENTINE DR
VAA
HAWKS VISTA LN
TAVERN RD
MESA RD
Cleveland National Forest
North Fork Sweetwater River
Loveland Reservoir
Loveland Reservoir
CLEVELAND NATIONAL FOREST
Loveland Reservoir
1:15,000
Kilometers
0 0.25 0.5
Miles
0 0.25 0.5
N
Proposed Project Area/Physical
APE/API
VAA
7.5' Quad boundary
Evaluated Architectural Resource
Jurisdiction
Back Country Land Trust
Sweetwater Authority
USFS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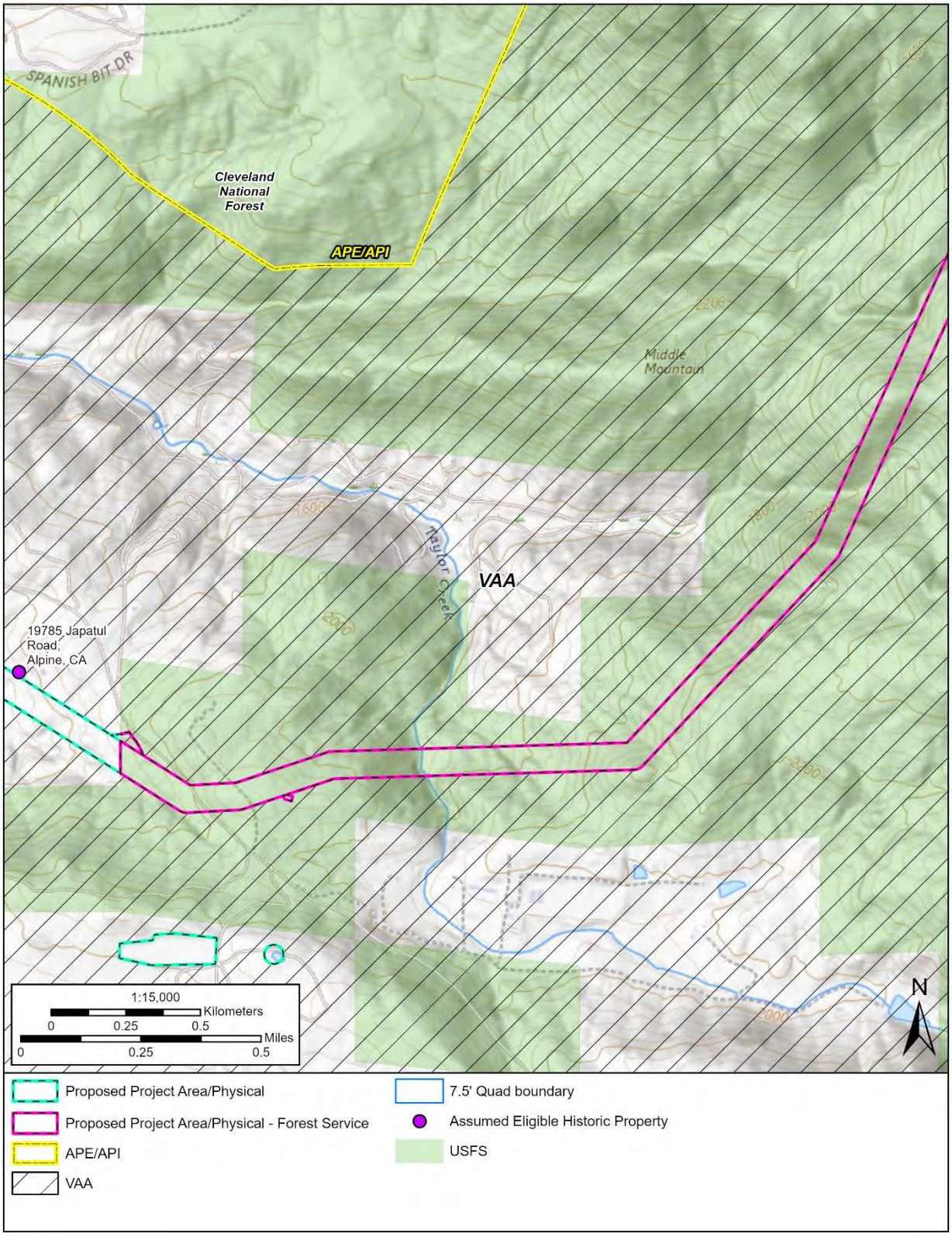
Jurisdiction
Sweetwater Authority
USFS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Kilometers
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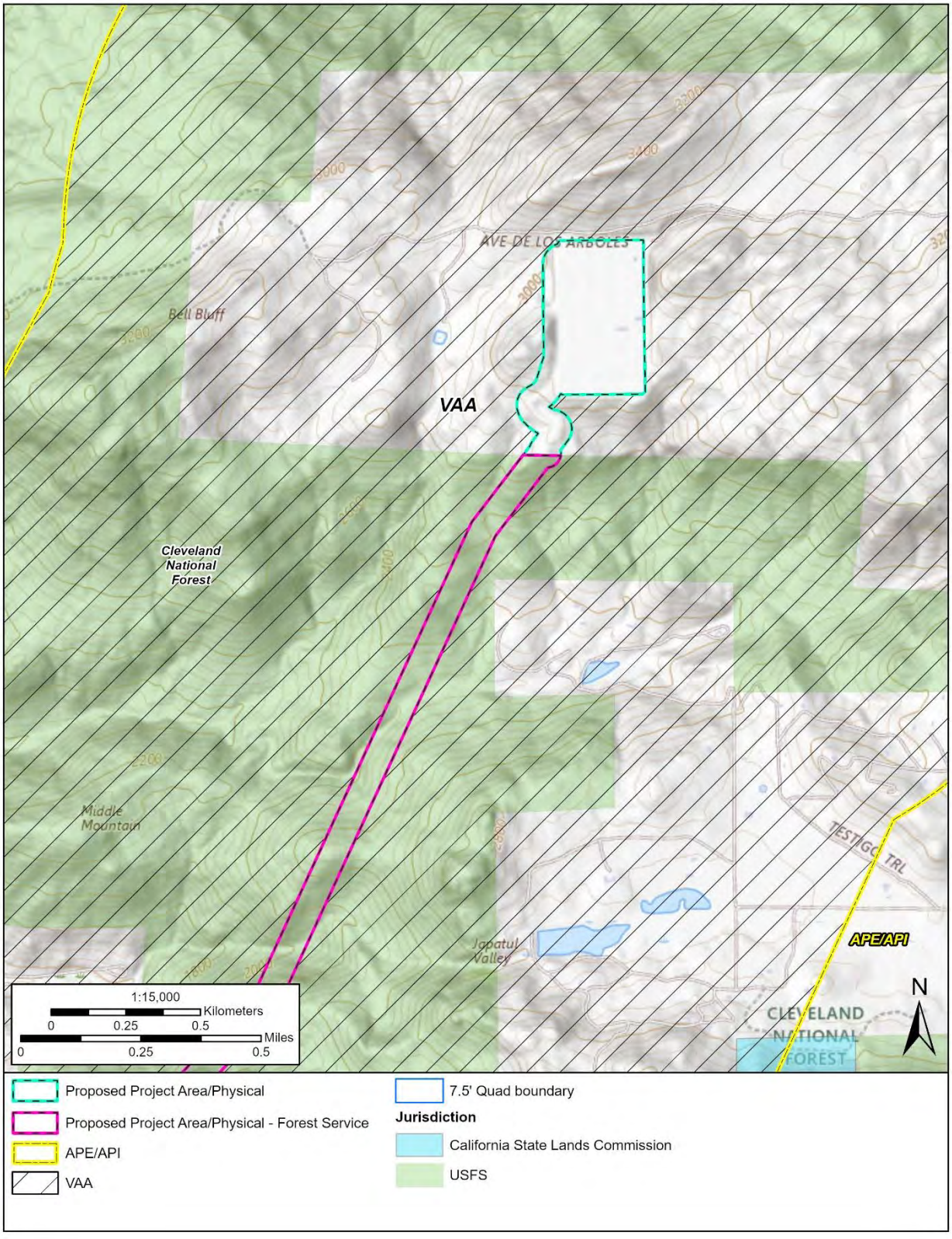
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VAA
Cleveland National Forest
Middle Mountain
Japatul Valley
TESTIGO TRL
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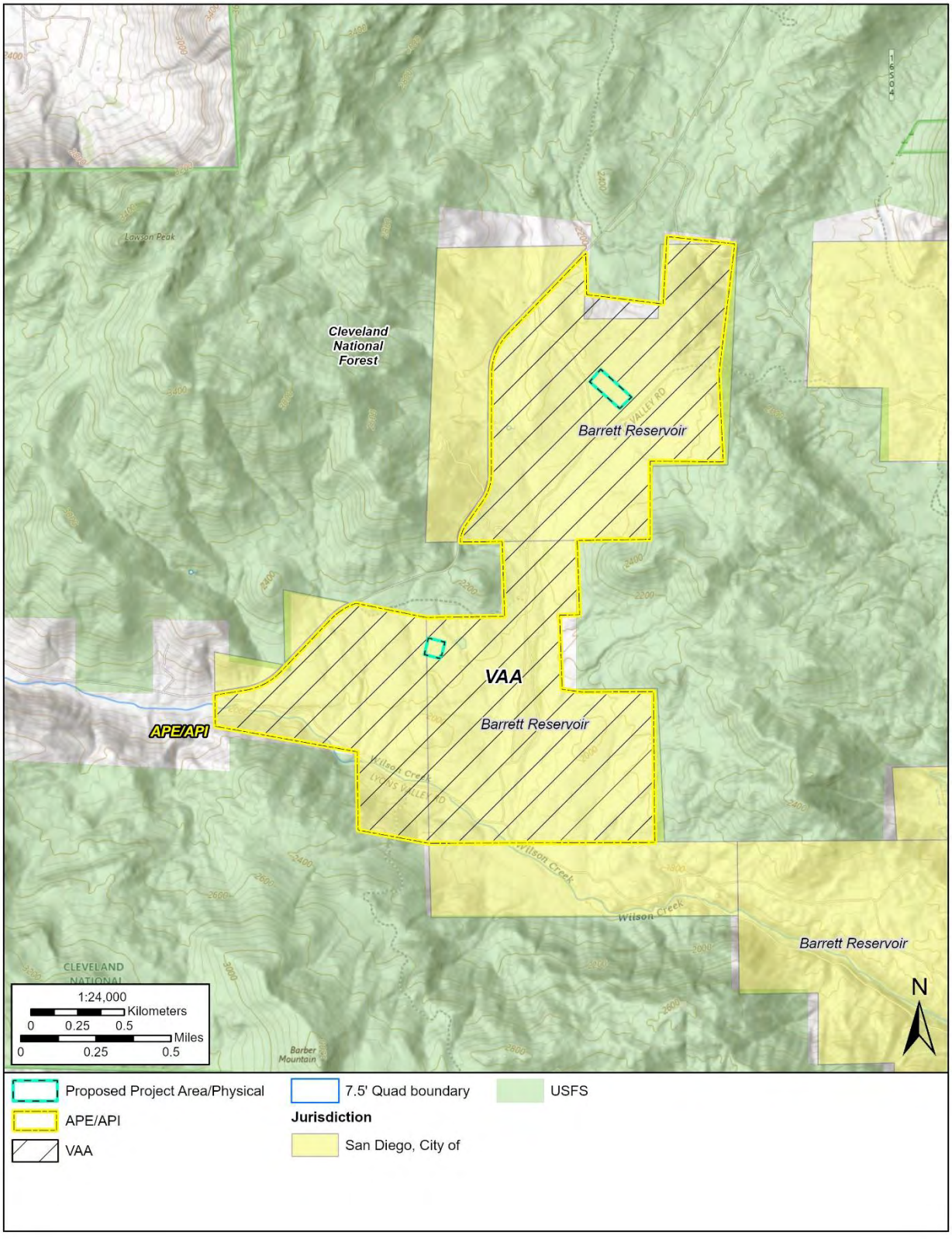
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VAA
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CLEVELAND NATIONAL
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Miles
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N
Proposed Project Area/Physical
APE/API
VAA
7.5' Quad boundary
Jurisdiction
San Diego, City of
USFS

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APPENDIX I

Table of Recommendations

(Confidential)

ATTACHMENT 3.8-A: PALEONTOLOGICAL RESOURCES TECHNICAL REPORT

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PALEOSERVICES
SAN DIEGO NATURAL HISTORY MUSEUM

Final Paleontological Resources Technical Report

San Diego Gas & Electric Company
Suncrest 230 Kilovolt Loop-In Project
San Diego County, California

February 2026

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Executive Summary

This report is a paleontological resource assessment for the San Diego Gas & Electric Company (SDG&E) Suncrest 230 Kilovolt (kV) Loop-In Project (Project). The Project consists of the installation of an approximately 14.5-mile-long double-circuit 230 kV transmission line (proposed 230 kV transmission line), as well as modifications to the existing SDG&E Suncrest Substation. The proposed 230 kV transmission line starts northwest of Singing Hills Memorial Park in unincorporated San Diego County and continues broadly going east along La Cresta Road, Mountain View Road, Al Bahr Road, Canyon Rim Drive, and cross-country terrain until it terminates at the existing Suncrest Substation. The Project is located within unincorporated areas of San Diego County and the City of El Cajon, California. In addition to unincorporated communities and the City of El Cajon, the Project will cross land managed and/or owned by the County of San Diego, United States Forest Service (specifically, Cleveland National Forest), Sweetwater Authority, Endangered Habitats Conservancy, and California Department of Fish and Wildlife. The goal of the Project is to address reliability constraints on SDG&E's existing Transmission Lines (TLs) (i.e., TL23054 and TL23055), as well as existing transformers at the existing Suncrest Substation. Construction of the Project is anticipated to include the installation of both overhead and underground transmission line segments and modifications to the existing Suncrest Substation.

This paleontological resources technical report (report) has been prepared to identify and summarize existing paleontological resource data along the Project alignment and vicinity, classify and discuss the significance of these resources, evaluate and summarize any Project-related construction activities that may impact paleontological resources, and outline measures to reduce any Project-related impacts to paleontological resources to less than significant levels.

The results of the literature review indicate that the proposed 230 kV transmission line, the existing Suncrest Substation, and the proposed staging and fly yard locations are underlain by, from youngest to oldest:

- young alluvium and colluvium (low paleontological resource potential);
- intrusive igneous rocks (very low paleontological resource potential); and
- metavolcanic and metasedimentary rocks (very low paleontological resource potential).

A search of the paleontological collection records at the San Diego Natural History Museum (SDNHM) indicates that there are no nearby fossil collection localities from the geologic units underlying the proposed 230 kV transmission line, the existing Suncrest Substation, and the proposed staging and fly yards.

Only impacts to geologic units with very high, high, or moderate paleontological resource potential are considered to be significant and to require implementation of a paleontological monitoring program. Earthwork along the proposed 230 kV transmission line, at the existing Suncrest Substation, and at the proposed staging and fly yards is anticipated to only impact geologic units with low or very low paleontological resource potential ratings. As a result, paleontological monitoring is **not recommended** for earthwork for the Project. Two recommendations have been provided to address the unlikely event that fossils are unearthed during earthwork activities (i.e., an inadvertent discovery).

Contents

Executive Summary ..... **i**
1.0 Introduction **1**
1.1 Project Description 1
1.2 SDNHM Scope of Work 5
1.3 Definition of Paleontological Resources 5
1.4 Regulatory Framework 5
1.4.1 Federal 5
1.4.2 State 6
1.4.3 Local 7
2.0 Methods **7**
2.1 Paleontological Literature Review & Records Search 7
2.2 Paleontological Resource Assessment Criteria 7
2.3 Paleontological Impact Analysis 9
3.0 Geologic Setting **9**
3.1 Regional Geologic Setting 9
3.2. Local Geologic Setting 10
4.0 Paleontological Resource Assessment **10**
4.1 Young alluvium and colluvium (Qc, Qya) 11
4.1.1 Introduction 11
4.1.2 Paleontology 11
4.1.3 Site Specific Assessment 11
4.2 Intrusive igneous rocks (Ka, Kc, Kcm, Kcp, Kgr, Kjv, Klb) 14
4.2.1 Introduction 14
4.2.2 Paleontology 14
4.2.3 Site Specific Assessment 14
4.3 Metasedimentary and metavolcanic rocks (JTRm, KJvs, Kmv) 14
4.3.1 Introduction 14
4.3.2 Paleontology 15
4.3.3 Site Specific Assessment 15
5.0 Paleontological Impact Analysis **15**
6.0 Recommendations **16**
7.0 References **16**

1.0 Introduction

1.1 Project Description

Project Overview

This report is a paleontological resource assessment for the SDG&E Suncrest 230 Kilovolt (kV) Loop-In Project (Project). The Project will involve the installation of a double-circuit 230 kV transmission line (proposed 230 kV transmission line), as well as modifications to an existing SDG&E substation (i.e., the Suncrest Substation).

Project Background and Need

The California Independent System Operator (CAISO) 2022-2023 Transmission Plan identified the need for the Project to upgrade the California electric grid to accommodate load growth. The Project will address CAISO-identified reliability constraints (i.e., operational challenges and thermal overloads) on SDG&E's existing Transmission Line (TL) 23054 and TL23055 from SDG&E's existing Suncrest Substation to the existing Sycamore Canyon Substation, as well as the existing transformers at the existing Suncrest Substation. In addition, the Project will help supply the increase in forecasted load related to regional electrification. Based on the long-term planning assessments, higher continuous ratings are required for the 230 kV transmission lines out of the existing Suncrest Substation to handle the existing and future load conditions.

Project Objectives and Purpose

The primary objective or purpose of the Project is to address operational challenges and thermal overloads on SDG&E's existing transmission lines from the existing Suncrest Substation to the existing Sycamore Canyon Substation, as well as the existing transformers at the existing Suncrest Substation, as identified by CAISO in the 2022-2023 Transmission Plan. More specifically, the Project includes the following objectives:

- meet SDG&E's obligation to implement the CAISO-approved Project;
- improve system reliability for SDG&E's approximately 3.7 million energy customers as well as the electrical grid as a whole;
- increase capacity to meet the forecasted load demands related to electrification;
- address operational challenges and thermal overloads on SDG&E's existing transmission lines (i.e., TL23054 and TL23055);
- address operational challenges and thermal overloads on existing transformers at SDG&E's existing Suncrest Substation;
- achieve commercial operation by 2032 to timely address critical reliability issues within the transmission system;
- locate the Project on land adjacent to SDG&E's existing right-of-way or existing utility uses, or otherwise minimize environmental impacts in a manner consistent with prudent transmission planning to the extent practicable;

- construct, operate, and maintain the facility with safety as a top priority;
- maintain compliance with North American Electric Reliability Corporation standards; and
- avoid or mitigate significant adverse impacts to both the environment and community to achieve a project that is designed for the greatest public good and least private injury.

Project Location

As depicted in Figure 1, the Project will cross unincorporated communities within San Diego County, California, including private parcels and open space easements. In addition, the Project will traverse land managed and/or owned by the County of San Diego, United States (U.S.) Forest Service (USFS) (i.e., Cleveland National Forest [CNF]), Sweetwater Authority, Endangered Habitats Conservancy, and California Department of Fish and Wildlife. One proposed staging yard will be located in the City of El Cajon.

The western end of the Project route will begin on Vista De Montemar in unincorporated San Diego County in an underground configuration. The route will continue southeast on Vista De Montemar until reaching La Cresta Road. From there, the route will turn east onto La Cresta Road and continue in an easterly direction until reaching Mountain View Road. The route will continue in a northeasterly direction on Mountain View Road until turning south onto Al Bahr Road. The route will continue on Al Bahr Road until turning east onto Canyon Rim Drive. Following Canyon Rim Drive, the route will continue southeast until reaching cross-country terrain, where it will switch to an overhead configuration, first entering land owned by Sweetwater Authority and then entering the CNF. The route will continue through the CNF in a northeasterly direction, switch back to an underground configuration just southwest of the existing Suncrest Substation and then loop into and terminate at the existing Suncrest Substation.

Project Components

The Project includes the following main components:

- Construction of a proposed approximately 14.5 mile-long, double-circuit 230 kV transmission line segment consisting of overhead and underground configurations as described previously to loop-in SDG&E's existing TL23021 to the Suncrest Substation.
- Modifications to the existing Suncrest Substation, which include the following:
  - installation of a 500/230 kV transformer bank and associated tertiary reactors, circuit breakers, disconnects, and communication equipment; and
  - construction of a 230 kV bay to accommodate the loop-in of TL23021 to the Suncrest Substation.

Figure 1. Overview map of Project location, San Diego County, California.

Project Construction

The overhead portions of the transmission line will first require permanent access roads, permanent walking paths, or permanent helicopter takeoff and landing zones to be established at each structure location where current access does not exist. In addition, each structure location will require a temporary work area to facilitate construction, as well as a permanent work area to accommodate the permanent footprint of the structure. This process will involve vegetation clearing and blading, as required to create a flat area to facilitate construction. For the overhead structures, one or more foundations for each structure will be constructed prior to the erection of tower structures or monopoles. Lastly, the conductors and optical ground wires will be strung along the transmission line alignment.

Following construction, a portion of land surrounding the proposed structures and some access roads will remain clear of vegetation to facilitate future operation and maintenance (O&M).

The underground portion of the transmission line will include the installation of duct banks and utility vaults using open-cut trenching techniques, unless alternate methods (e.g., horizontal directional drilling) are required to cross existing facilities or sensitive resources. After installation of the duct banks, cable segments will be pulled into the duct banks, spliced at each of the vaults along the route as required, and terminated at the transition where the lines convert to overhead. At each end of the proposed 230 kV underground segment, the cables will rise out of the ground and terminate at cable poles to connect to the overhead portions of the transmission line. Following the completion of construction activities, the open trenches will subsequently be backfilled, paved or returned to pre-existing grade and contours, as practicable. Restoration activities will be conducted in accordance with negotiated agreements with landowners and in compliance with applicable permits.

Modifications to the existing Suncrest Substation will be conducted within the existing substation property and will not require expansion of the facility. Following the completion of the modifications at the substation, testing and commissioning will be conducted before energization.

The Project will also require the establishment of temporary staging/fly yards, temporary stringing sites, temporary guard structures, and temporary construction work areas for use during construction. All temporarily impacted areas will be restored to near pre-construction grade and contours as practicable after work is complete. Restoration activities will be conducted in accordance with negotiated agreements with landowners and in compliance with applicable permits.

Construction Schedule

Construction is anticipated to occur in two phases: construction of the proposed 230 kV transmission line and modifications to the existing Suncrest Substation. Construction of the proposed 230 kV transmission line is anticipated to begin in 2027. Modifications to the existing Suncrest Substation are anticipated to begin in 2028. Construction is anticipated to occur year-round or as authorized by permits and authorizations. Per the CAISO technical specifications, the Project is required to be energized by 2032.

Operations and Maintenance

SDG&E will conduct ongoing O&M of all Project components. These planned activities will involve regular inspections of facilities, repairs on an as-needed basis, and the maintenance of transmission line rights-of-way. O&M will be incorporated into SDG&E's existing programs with existing equipment, experienced staff, and contractors. SDG&E's local maintenance/technical staff and outside resources will respond to maintenance issues and emergency situations.

1.2 SDNHM Scope of Work

The San Diego Natural History Museum (SDNHM) was contracted to complete a desktop paleontological resource assessment, including a literature review and paleontological records search. No pedestrian field survey of the Project alignment was conducted. This resource assessment is intended to identify and summarize existing paleontological resource data for the Project, classify and discuss the significance of these resources, evaluate and summarize any Project-related components that may impact paleontological resources, and outline suggested measures to reduce any potential project-related impacts to paleontological resources to less than significant levels.

This report was prepared by Zev Brook, Katie M. McComas, and Thomas A. Deméré of the Department of PaleoServices, SDNHM, under contract to Insignia Environmental for Project-proponent SDG&E.

1.3 Definition of Paleontological Resources

As defined here, paleontological resources (i.e., fossils) are the buried remains and/or traces of prehistoric organisms (i.e., animals, plants, and microbes). Body fossils such as bones, teeth, shells, leaves, and wood, as well as trace fossils such as tracks, trails, burrows, and footprints, are found in geologic units composed of sediments that the fossils were originally buried in. The primary factor determining whether an object is a fossil is not how the organic remain or trace is preserved (e.g., "fossilized"), but rather the age of the organic remain or trace. Although it is typically assumed that fossils must be older than approximately 11,700 years (i.e., the generally accepted end of the last glacial period of the Pleistocene Epoch), organic remains of early Holocene age (more than 5,000 years old) can also be considered to represent fossils because they are part of the record of past life.

Fossils are considered important scientific and educational resources because they serve as direct and indirect evidence of prehistoric life and are used to understand the history of life on Earth, the nature of past environments and climates, the membership and structure of ancient ecosystems, and the patterns and processes of organic evolution and extinction. In addition, fossils are considered to be non-renewable resources because typically the organisms they represent no longer exist. Once destroyed, a particular fossil can never be replaced. For the purposes of this report, paleontological resources can be thought of as including not only the actual fossil remains and traces, but also the fossil collecting localities and the stratigraphic units containing those localities.

1.4 Regulatory Framework

As discussed above, paleontological resources are scientifically and educationally significant nonrenewable resources, and as such are protected under a variety of federal, state, and local laws, regulations, and ordinances.

1.4.1 Federal

The **National Environmental Policy Act (NEPA) of 1969 (P.L. 91–190, 83 Stat. 852, 42 U.S.C. 4321–4347)** recognizes the continuing responsibility of the Federal Government to "preserve important historic, cultural, and natural aspects of our national heritage..." (Sec. 101 [42 U.S.C. § 4321]) (#382). As with the American Antiquities Act, NEPA does not specifically address paleontological resources but is interpreted by many federal agencies to be applicable to such resources. For example, the Bureau of Land Management (BLM) and the USFS both view NEPA as one of the major laws protecting paleontological resources on public lands.

The **Federal Land Policy and Management Act (FLPMA) of 1976 (P.L. 94–579, 90 Stat. 2744, 43 U.S.C. 1701–1785)** defines significant fossils as: unique, rare or particularly well-preserved; an unusual assemblage of common fossils; being of high scientific interest; or providing important new data concerning [1] evolutionary trends, [2] development of biological communities, [3] interaction between or among organisms, [4] unusual or spectacular circumstances in the history of life, [5] or anatomical structure.

The **Paleontological Resources Preservation Act (PRPA) of 2009 (P.L. 111–11, 123 Stat. 991, H.R. 146)** is the first statute to directly address the management and protection of paleontological resources on federal lands. This law essentially codifies collecting polices of federal land management agencies. It allows reasonable amounts of common invertebrate and plant fossils to be casually collected with negligible disturbance. In addition, it requires protection and preservation of uncommon invertebrate and plants and all vertebrate fossils, including imprints, molds, casts, etc. The PRPA further describes requirements for permitting collection on federal lands, stipulations regarding the use of paleontological resources in education, continued federal ownership of recovered paleontological resources, and standards for acceptable repositories of collected specimens and associated data. The PRPA also provides for criminal and civil penalties for unauthorized removal of paleontological resources from federal lands.

To implement the policies of the PRPA, the **United States Department of Agriculture (USDA) adopted regulations (Title 36 C.F.R. Part 291)** in April 2015 to manage, protect, and preserve paleontological resources on National Forest System lands. These regulations provide for management of paleontological resources by establishing fossil collection permitting procedures, setting curation standards, establishing civil and criminal penalties, prohibiting fossil collection for commercial purposes, and developing procedures for allowing the casual collection of some of these resources on certain lands and under specific conditions.

1.4.2 State

The **California Environmental Quality Act (CEQA) (Public Resources Code Section 21000 et seq.)** protects paleontological resources on both public and private lands in California. This act requires the identification of environmental impacts of a project, the determination of significance of the impacts, and the identification of alternative and/or mitigation measures to reduce adverse environmental impacts. The Guidelines for the Implementation of CEQA (Title 14, Chapter 3, California Code of Regulations: 15000 et seq.) outline these necessary procedures for complying with CEQA. Paleontological resources are specifically included as a question in the CEQA Environmental Checklist (Section 15023, Appendix G): “Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?”

Most CEQA lead agencies follow the definitions and guidelines provided by the Society of Vertebrate Paleontology (SVP) (2010), which are in line with industry standards (e.g., Murphey et al., 2019). As advised by SVP (2010), impacts to paleontological resources can be minimized to a level below the threshold of significance through: 1.) the permanent preservation of a fossil locality and its contained fossil resources); or 2.) the implementation of a paleontological mitigation program that would reduce any adverse impacts to a level below the threshold of significance through the salvage and permanent storage of any salvaged fossils in an established scientific institution.

Other state requirements for paleontological resource management are included in the **Public Resources Code (Chapter 1.7), Section 5097.5 and Section 30244 of the California Coastal Act**. These statutes prohibit the removal of any paleontological site or feature on public lands without permission of the jurisdictional agency, defines the removal of paleontological sites or features as a misdemeanor,

and requires reasonable mitigation of adverse impacts to paleontological resources from developments on public lands. “Public lands” are defined as “lands owned by, or under the jurisdiction of, the state, or any city, county, district, authority, or public corporation, or any agency thereof.”

1.4.3 Local

The **County of San Diego** primarily addresses management of paleontological resources through CEQA. In addition, Section 87.430 of the County’s Grading Ordinance specifically establishes procedures for the mitigation of potential impacts to paleontological resources during earthwork operations. Detailed guidelines for determining significance and mitigation procedures for paleontological resources are provided by the County’s Department of Public Works (County of San Diego, 2009).

The **City of El Cajon’s General Plan** does not contain policies that directly address paleontological resources.

2.0 Methods

2.1 Paleontological Literature Review & Records Search

A review was conducted of relevant published and unpublished geologic reports (e.g., Todd, 2004), peer-reviewed paleontological publications, unpublished paleontological reports and theses, and museum paleontological locality data (SDNHM unpublished paleontological collections data). This approach was followed in recognition of the direct relationship between paleontological resources and the geologic units within which they are found. Knowing the geology of an area and the fossil productivity of formations that occur in that area, it is possible to predict where fossils will or will not be encountered.

2.2 Paleontological Resource Assessment Criteria

Impacts to paleontological resources are typically assigned a paleontological resource potential rating based on the resource potential of an impacted geologic unit. The BLM’s Potential Fossil Yield Classification (PFYC) System for Paleontological Resources on Public Lands (BLM, 2016) is used here for consistency due to the presence of federally managed land (i.e., CNF) along the Project alignment. Specific criteria for each paleontological potential rating are outlined below.

PFYC Class 5 – Very High Potential

Very high potential (PFYC Class 5) is assigned to highly fossiliferous geologic units that consistently and predictably produce significant paleontological resources. Units assigned to Class 5 have some or all of the following characteristics:

- Significant paleontological resources have been documented and occur consistently.
- Paleontological resources are highly susceptible to adverse impacts from surface disturbing activities.
- Unit is frequently the focus of illegal collecting activities.

PFYC Class 4 – High Potential

High potential (PFYC Class 4) is assigned to geologic units that are known to contain a high occurrence of paleontological resources. Units assigned to Class 4 typically have the following characteristics:

- Significant paleontological resources have been documented, but may vary in occurrence and predictability.

- Surface disturbing activities may adversely affect paleontological resources.
- Rare or uncommon fossils, including nonvertebrate (such as soft body preservation) or unusual plant fossils, may be present.
- Illegal collecting activities may impact some areas.

PFYC Class 3 – Moderate Potential

Moderate potential (PFYC Class 3) is assigned to geologic units where fossil content varies in significance, abundance, and predictable occurrence. Units assigned to Class 3 have some of the following characteristics:

- Marine in origin with sporadic known occurrences of paleontological resources.
- Paleontological resources may occur intermittently, but abundance is known to be low.
- Units may contain significant paleontological resources, but these occurrences are widely scattered.
- The potential for an authorized land use to impact a significant paleontological resource is known to be low-to-moderate.

PFYC Class 2 – Low Potential

Low potential (PFYC Class 2) is assigned to geologic units that are not likely to contain paleontological resources. Units assigned to Class 2 typically have one or more of the following characteristics:

- Field surveys have verified that significant paleontological resources are not present or are very rare.
- Units are generally younger than 10,000 years before present.
- Units that consist of Recent aeolian deposits.
- Sediments that exhibit significant physical and chemical changes (i.e., diagenetic alteration) that make fossil preservation unlikely.

PFYC Class 1 – Very Low Potential

Very low potential (PFYC Class 1) is assigned to geologic units that are not likely to contain recognizable paleontological resources. Units assigned to Class 1 typically have one or more of the following characteristics:

- Geologic units are igneous or metamorphic, excluding air-fall and reworked volcanic ash.
- Geologic units are Precambrian in age.

PFYC Class U – Unknown Potential

Unknown potential (PFYC Class U) is assigned to geologic units that cannot receive an informed PFYC assignment. Characteristics of Class U may include:

- Geologic units may exhibit features or preservational conditions that suggest significant paleontological resources could be present, but little information about the actual paleontological resources of the unit or area is known.
- Geologic units represented on a map are based on lithologic character or basis of origin, but have not been studied in detail.
- Scientific literature does not exist or does not reveal the nature of paleontological resources.
- Reports of paleontological resources are anecdotal or have not been verified.
- Area or geologic unit is poorly or under-studied.

PFYC Class W – Water

PFYC Class W includes any surface area that is mapped as water. Most bodies of water do not normally contain paleontological resources. However, shorelines should be carefully considered for uncovered or transported paleontological resources. Reservoirs are a special concern because important paleontological resources are often exposed during low water intervals. In karst areas sinkholes and cenotes may trap animals and contain paleontological resources. Dredging river systems may result in the disturbance of sediments that contain paleontological resources.

PFYC Class I – Ice

PFYC Class I includes any area that is mapped as ice or snow. Receding glaciers, including exposed lateral and terminal moraines should be considered for their potential to reveal recently exposed paleontological resources. Other considerations include melting snow fields that may contain paleontological resources with possible soft-tissue preservation.

2.3 Paleontological Impact Analysis

Direct impacts to paleontological resources occur when earthwork activities cut into the geologic units in which fossils are preserved and physically destroy the contained fossil remains. As such, only earthwork activities that will disturb potentially fossil-bearing sedimentary rocks (i.e., those rated with a very high, high, or moderate paleontological resource potential) have the potential to significantly impact paleontological resources. A paleontological monitoring program is typically recommended as a means to reduce any negative impacts to paleontological resources to less than significant levels, though avoidance of paleontological resources may sometimes be a feasible alternative approach.

The purpose of the impact analysis is to determine which (if any) of the project-related earthwork activities may disturb potentially fossil-bearing geologic units, and where and at what depths this earthwork will occur. The paleontological impact analysis involved analysis of available project documents, and comparison with geological and paleontological data gathered during the literature review and records search.

3.0 Geologic Setting

3.1 Regional Geologic Setting

The Project alignment is located within the Peninsular Ranges Geomorphic Province (Norris and Webb, 1990). This large region is characterized by crystalline basement rocks that are locally blanketed by younger valley-filling sedimentary deposits (e.g., late Quaternary-age young alluvium).

Geologists have subdivided the geologic history of the greater southern California and northern Baja California region into three major intervals: “pre-batholithic,” “batholithic,” and “post-batholithic.” Pre-batholithic events in this region are represented by a deformed sequence of Triassic- and Jurassic-age (~252 to 145 Ma; million-year-old) metasedimentary and metavolcanic rocks that document an early period of marine sedimentation and volcanic activity in a forearc basin offshore of the Mesozoic North American continental margin. A younger series of undeformed pre-batholithic metavolcanic flow and ejecta rocks document the early growth of a Mesozoic magmatic arc that eventually extended almost the full length of the western continental margin of North America from Alaska to Mexico (Hildebrand and Whalen, 2014).

Batholithic events are represented by a massive volume of plutonic igneous rocks that document an extended period of subduction-related arc magmatism and metamorphism that characterized the region

until around 80 million years ago [Ma]. Although this magmatism initially began in the mid Jurassic (~180 Ma), the truly massive accumulations of magma responsible for formation of the Peninsular Ranges Batholith did not really get started until the early Cretaceous (~125 Ma). This prolonged period of subduction-driven plutonism lasted until the late Cretaceous (~86 Ma), and it was during this ~40-million-year period that the great Sierra Nevada Batholith of northeastern and east-central California and its southern extension, the Peninsular Ranges Batholith of southern California and Baja California, were formed in the Earth's crust at depths of up to 20 miles below the surface.

Much later, as tectonic forces associated with subduction gave way to those associated with transform faulting, a series of regional depositional basins formed that received great volumes of land-derived sediments from adjacent local river systems. These systems deposited sediment chiefly along what is now the coastal part of San Diego County. The more mountainous areas to the east underwent weathering and erosion, and the Mesozoic basement rocks continue to be exposed at the surface. Most recently, in the Holocene, alluvial sediments carried from upland areas by local streams and colluvial sediments weathered from slopes were deposited in the low-lying portions of this landscape.

3.2. Local Geologic Setting

According to published geologic mapping (Tan, 2002; Todd, 2004), the geologic units underlying the Project alignment and the existing Suncrest Substation include, from youngest to oldest: Holocene-age young alluvium and colluvium, Cretaceous-age intrusive igneous rocks, and Triassic- to Cretaceous-age metasedimentary and metavolcanic rocks. The published geologic mapping of the Project area by Todd (2004) is presented in Figure 2.

4.0 Paleontological Resource Assessment

The following section combines the results of the paleontological literature review, paleontological records search, and paleontological resource potential analysis into a paleontological resource assessment for each geologic unit underlying the various Project components. For each geologic unit, a summary of the geology, paleontology, and paleontological resource potential is included. The paleontological resource potential ratings of these units are summarized in Table 1 and depicted in Figure 3.

The paleontological records search found that the San Diego Society of Natural History (SDSNH), which runs and operates SDNHM, does not have any documented fossil collection localities within a one-mile radius of the proposed 230 kV transmission line, the existing Suncrest Substation, or any of the parcels for which the proposed staging and fly yards will be located.

Table 1. Summary of paleontological resource potential of geologic units underlying the Project alignment and substation.

Geologic Unit	Age	Paleontological Resource Potential
Young alluvium and colluvium (Qc, Qya)	Holocene	Low (PFYC Class 2)
Intrusive igneous rocks (Ka, Kc, Kcm, Kcp, Kgr, Kjv, Klb)	Cretaceous	Very low (PFYC Class 2)
Metasedimentary and metavolcanic rocks (JTRm, KJvs, Kmv)	Triassic to Cretaceous	Very low (PFYC Class 1)

4.1 Young alluvium and colluvium (Qc, Qya)

4.1.1 Introduction

Holocene-age (less than 11,700 years old) young alluvium is mapped as underlying four short segments of the proposed 230 kV overhead segment, with one proposed pole located in an area underlain at the surface by young alluvium. Holocene-age colluvium is mapped as underlying the proposed Swat Staging Yard and proposed Lyons Valley Staging/Fly Yard. Alluvial deposits are found within and along the margins of active or recent washes and streams. Colluvial deposits are generally found at local topographic low points and are the result of the weathering of steep slopes. Both these deposits generally consist of poorly consolidated clays, silts, sands, and gravels. Young and recent surficial deposits range from slightly consolidated to unconsolidated.

4.1.2 Paleontology

Fossils are generally unknown from young and recent alluvial and colluvial deposits in San Diego County. This is primarily due to the relatively young geologic age of these deposits and the recognition that organic remains preserved in such deposits are conspecific with organisms living in the area today.

4.1.3 Site Specific Assessment

Younger surficial deposits referred to these geologic units are assigned a low paleontological potential rating (PFYC Class 2) based on their relatively young geologic age, which suggests that significant fossils are unlikely to occur.

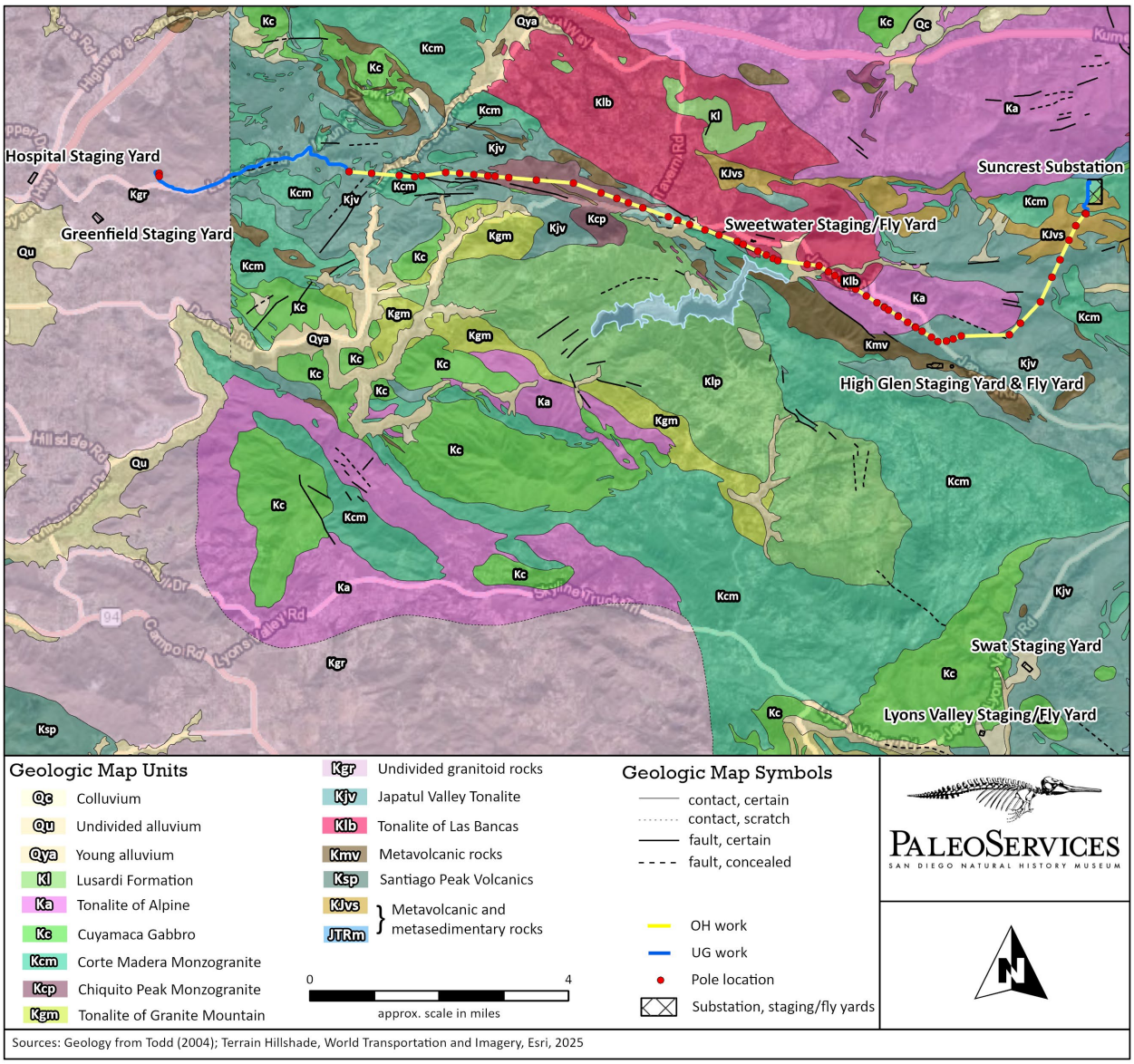

Figure 2. Geologic map of the Project alignment and vicinity.

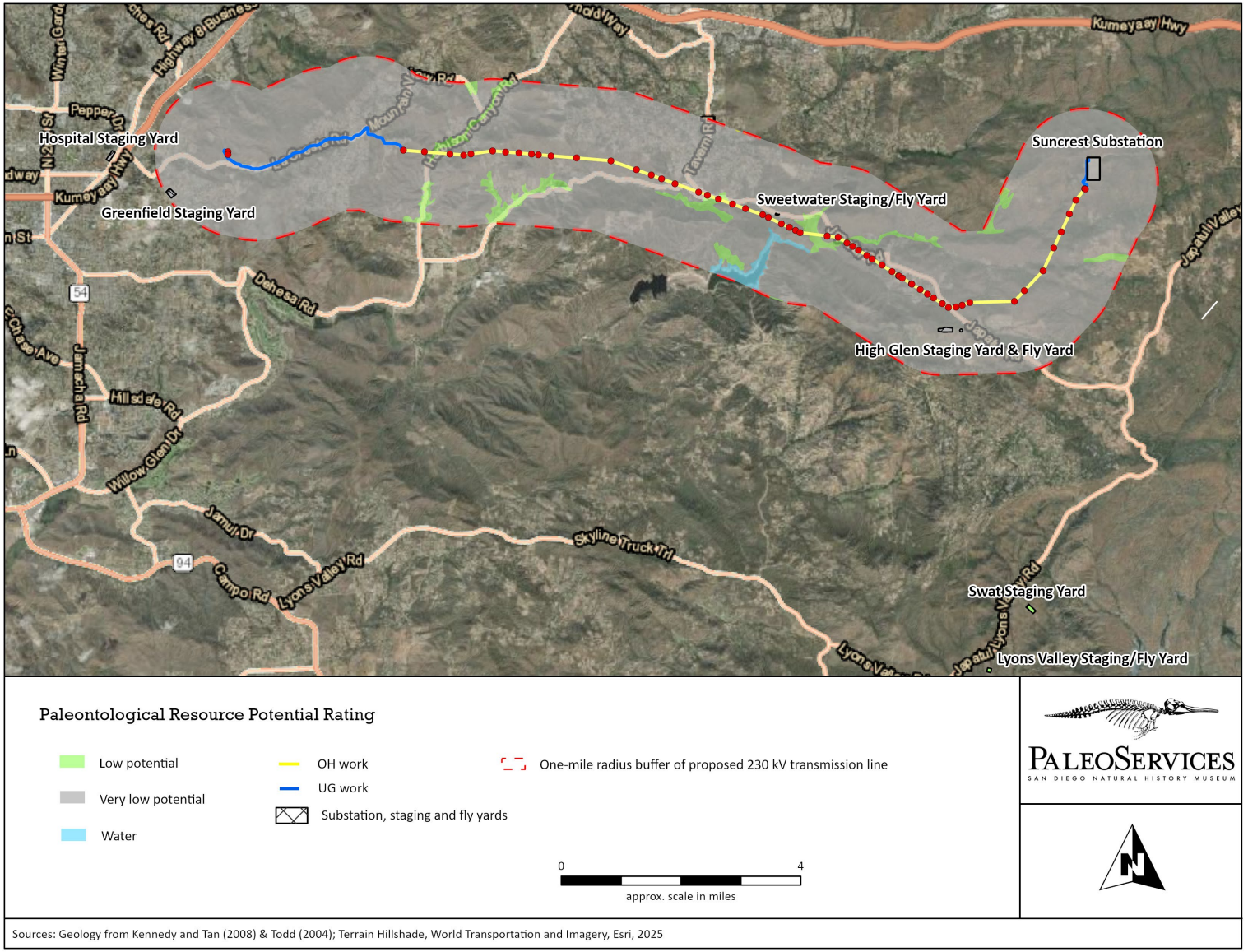

Figure 3. Paleontological resource potential map of the Project alignment and vicinity.

4.2 Intrusive igneous rocks (Ka, Kc, Kcm, Kcp, Kgr, Kjv, Klb)

4.2.1 Introduction

A variety of crystalline basement rocks of the Peninsular Ranges Batholith are mapped as underlying the majority of the proposed 230 kV transmission line (including almost the entirety of the proposed 230 kV UG segment), the existing Suncrest Substation, the proposed Hospital Staging Yard, the proposed Greenfield Staging Yard, and the proposed Sweetwater Staging/Fly Yard. These rock units include Tonalite of Alpine (Ka), Cuyamaca Gabbro (Kc), Corte Madera Monzogranite (Kcm), Chiquito Peak Monzogranite (Kcp), undivided granitoid rocks (Kgr), Japatul Valley Tonalite (Kjv), and Tonalite of Las Bancas (Klb) (Todd, 2004).

The Peninsular Ranges Batholith is composed of several hundred or perhaps even several thousand individual plutons and extends from Riverside County, USA hundreds of miles south into Baja California, Mexico. Batholithic rocks in San Diego County range in composition from granite to gabbro, and primarily formed during the Cretaceous Period starting around 125 Ma and extending to about 85 Ma (Todd, 2004; Hildebrand and Whalen, 2014; Walawender, 2022). These plutonic igneous rocks formed in a major subduction zone off the west coast of the North American continent during the Mesozoic. Oceanic crust was subducted below continental crust, and as the cold, water-saturated oceanic crust descended into the Earth's mantle, it became superheated and melted into buoyant magma bodies called plutons, which then rose (intruded) through the overlying crust and slowly cooled several miles below the Earth's surface to form the plutonic igneous rocks (gabbro, granite, granodiorite, diorite, and tonalite) now exposed at the surface along portions of the Project alignment.

4.2.2 Paleontology

Plutonic igneous rocks do not preserve fossils because they form and crystallize at extremely high temperatures and pressures several miles below the Earth's surface, in conditions that do not support complex life.

4.2.3 Site Specific Assessment

Intrusive igneous rocks underlying the Project are assigned a very low paleontological potential rating (PFYC Class 1).

4.3 Metasedimentary and metavolcanic rocks (JTRm, KJvs, Kmv)

4.3.1 Introduction

Pre-batholithic metamorphic rock units in this area include Cretaceous-age metavolcanic rocks (Kmv), which are mapped as underlying a very small portion of the Project alignment including both where overhead and underground work will occur, as well as the proposed High Glen Staging Yard and proposed High Glen Fly Yard; Jurassic- to Cretaceous-age metavolcanic and metasedimentary rocks (KJvs), which are mapped as underlying the southeastern portion of the existing Suncrest Substation and the eastern end of the Project alignment where overhead work will occur, and underlie the proposed locations of three poles and cables looping in to the existing Suncrest Substation; and Triassic- to Jurassic-age metavolcanic and metasedimentary rocks (JTRm), which are mapped as underlying the southeastern portion of the existing Suncrest Substation. In this part of San Diego County, these metamorphic rocks are preserved as roof pendants within the younger intrusive igneous rocks of the Peninsular Ranges Batholith. The sedimentary protolith and original depositional environment of the metasedimentary rocks has been described as marine sandstones and shales deposited within or in close association with a submarine fan (Germinario, 1993).

4.3.2 Paleontology

Although the marine sedimentary origin of the metasedimentary portions of these rock units suggests that they have the potential to preserve fossil remains and traces, there has been only one report of a fossil collected from rocks considered broadly equivalent to Triassic- to Jurassic-age metavolcanic and metasedimentary rocks (i.e., the Julian Schist). Hudson (1922) noted the discovery of a flattened ammonoid in a dark gray quartzite purportedly collected as float from an area located about one mile southeast of the small community of Banner. According to Hudson (1922), the fossil was sent to J.P. Smith at Stanford University who identified it as an ammonoid whose age is "without much doubt Triassic." Hudson goes on to describe how he returned to the outcrop, but was unable to find any additional fossils.

4.3.3 Site Specific Assessment

Metamorphic rocks underlying the Project are assigned a very low paleontological potential rating (PFYC Class 1) based on their lack of fossils and the extreme rarity of reported fossils from equivalent geologic units.

5.0 Paleontological Impact Analysis

Earthwork associated with construction located along the proposed 230 kV transmission line, at the existing Suncrest Substation, and at the proposed staging and fly yard locations will only encounter geologic units assigned a low or very low paleontological resource potential, and this work is therefore not anticipated to impact paleontological resources.

Specific Project components are analyzed in more detail below.

- Underground Trenching – Underground work is proposed in areas underlain by geologic units assigned a very low paleontological potential and is not expected to impact paleontological resources.
- Overhead Pole Installation – Overhead poles will cause ground disturbance at the locations designated in Figure 1. This proposed work is also located in areas underlain by geologic units assigned a very low or low paleontological potential and is not expected to impact paleontological resources.
- Suncrest Substation Modifications – Installation of foundations and underground equipment will cause ground disturbance. All components of the modifications to the existing Suncrest Substation will be located in areas underlain by geologic units assigned a very low paleontological potential and are not expected to impact paleontological resources.
- Access Roads and Work Areas – Access roads and work areas may require surficial grading, and thus also have the potential to impact paleontological resources. All access roads and work areas will be located immediately along the proposed 230 kV transmission line. As access roads and work areas will be underlain by geologic units assigned a very low or low paleontological potential, surficial grading is therefore not expected to impact paleontological resources.
- Staging and Fly Yards – The use of previously disturbed or paved areas as staging and fly yards for storage of construction equipment and materials is not anticipated to require ground disturbance. Additionally, the entire areas proposed for staging and fly yards are underlain by geologic units assigned a very low or low paleontological potential, therefore any work at the staging and fly yards is not expected to impact paleontological resources.

6.0 Recommendations

Implementation of a paleontological mitigation program is **not recommended** for the Project because Project-related earthwork, as currently outlined, is not anticipated to negatively impact paleontological resources (i.e., earthwork will only impact geologic units with low or very low paleontological resource potential).

However, in the unlikely event that fossils are unearthed during earthwork activities (i.e., an inadvertent discovery), the following recommendations should be implemented:

1. Upon discovery of an unearthed fossil, earthwork within 50 feet of the discovery shall immediately halt, and a qualified paleontologist should evaluate the discovery. Earthwork shall be diverted until the significance of the fossil discovery can be assessed by a qualified paleontologist. If the fossil discovery is deemed significant by a qualified paleontologist, the fossil shall be recovered using appropriate recovery techniques based on the type, size, and mode of preservation of the unearthed fossil. Earthwork may resume in the area of the fossil discovery once the fossil has been recovered, and the qualified paleontologist deems the discovery site has been mitigated to the extent necessary. Additional earthwork following the fossil discovery may be monitored for paleontological resources on an as-needed basis, at the discretion of the qualified paleontologist.

2. In the case of an inadvertent significant discovery, the recovered fossils shall be prepared, identified, catalogued, and stored in a recognized professional repository along with associated field notes, photographs, and compiled fossil locality data. For projects in San Diego County, the recommended repository is the San Diego Natural History Museum. Donation of the fossils should be accompanied by financial support for specimen storage. A final summary report should be completed that outlines the results of the mitigation program. This report should include discussions of the methods used, stratigraphic section(s) exposed, fossils collected, and significance of recovered fossils. This report shall be submitted to appropriate agencies, as well as to the designated repository.

7.0 References

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Walawender, M.J. 2022. The Peninsular Ranges: A geological guide to San Diego's back country. San Diego Geological Society, Inc., 156 pp.

ATTACHMENT 3.10-A: CORRIDOR STUDY

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Sycamore Canyon 230 Kilovolt Loop In to Suncrest Project
N/A
Alpine, CA 91901

Inquiry Number: 7999710.5s
May 27, 2025

EDR Area / Corridor Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Mapped Sites Summary	2
Key Map	2
Map Findings Summary	3
Focus Maps	8
Map Findings	32
Orphan Summary	OR-1
Government Records Searched/Data Currency Tracking	GR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

SUBJECT PROPERTY INFORMATION

ADDRESS

N/A
ALPINE, CA 91901

TARGET PROPERTY SEARCH RESULTS

The Target Property was identified in the following databases.

Page Numbers and Map Identifcations refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 02/17/2025 has revealed that there is 1 RCRA NonGen / NLR site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
445 LA CRESTA RD EPA ID:: CAC003212010	445 LA CRESTA RD	A5 / 1	34

FINDS: Facility Index System/Facility Registry System

A review of the FINDS list, as provided by EDR, and dated 04/22/2025 has revealed that there is 1 FINDS site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
JAMES WILLIAMS Registry ID:: 110071392091	445 LA CRESTA RD	A3 / 1	34

EXECUTIVE SUMMARY

ECHO: Enforcement & Compliance History Information

A review of the ECHO list, as provided by EDR, and dated 12/21/2024 has revealed that there is 1 ECHO site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
JAMES WILLIAMS Registry ID: 110071392091	445 LA CRESTA RD	A4 / 1	34

HWTS: Hazardous Waste Tracking System

A review of the HWTS list, as provided by EDR, and dated 07/19/2024 has revealed that there are 2 HWTS sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
REBECCA ADE	328 EAST MOUNTAINVIE	1 / 2	31
JAMES WILLIAMS	445 LA CREST RD.	A6 / 1	36

NPDES: NPDES Permits Listing

A review of the NPDES list, as provided by EDR, and dated 02/03/2025 has revealed that there is 1 NPDES site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
KEARNEY SUBDIVISION	***AL BAHR RD & CANYON***	***2 / 2***	***31***

CIWQS: California Integrated Water Quality System

A review of the CIWQS list, as provided by EDR, and dated 05/06/2025 has revealed that there is 1 CIWQS site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
KEARNEY SUBDIVISION	***AL BAHR RD & CANYON***	***2 / 2***	***31***

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Page Numbers and Map Identifcations refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Lists of state and tribal leaking storage tanks

LUST: Geotracker's Leaking Underground Fuel Tank Report

A review of the LUST list, as provided by EDR, has revealed that there are 4 LUST sites within approximately 0.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
COUNTY OF SAN DIEGO/	***2914 TAVERN RD***	***NNE 0 - 1/8 (0.099 mi.)***	***C17 / 4***	***79***
Database: LUST REG 9, Date of Government Version: 03/01/2001 Status: Preliminary site assessment workplan submitted Case Number: 9UT3863				
COUNTY OF SAN DIEGO/	***2914 TAVERN***	***NNE 0 - 1/8 (0.099 mi.)***	***C20 / 4***	***124***
Database: LUST, Date of Government Version: 02/24/2025 Status: Completed - Case Closed Global Id: T0607302622				
AMERICAN TIRE & SERV	***435 N 02ND ST***	***SSE 1/4 - 1/2 (0.370 mi.)***	***E34 / 1***	***153***
Database: LUST, Date of Government Version: 02/24/2025 Status: Completed - Case Closed Global Id: T0607303085				
WALTER EARL DOTSON A	***551 HARBISON CANYON***	***N 1/4 - 1/2 (0.452 mi.)***	***F38 / 2***	***158***
Database: LUST REG 9, Date of Government Version: 03/01/2001 Closed Date: 12/17/86 Status: Case Closed Case Number: 9UT362				

CPS-SLIC: Statewide SLIC Cases

A review of the CPS-SLIC list, as provided by EDR, has revealed that there is 1 CPS-SLIC site within approximately 0.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
WALTER EARL DOTSON A	***551 HARBISON CANYON***	***N 1/4 - 1/2 (0.452 mi.)***	***F38 / 2***	***158***
Database: CPS-SLIC, Date of Government Version: 02/24/2025 Global Id: T0607302388 Facility Status: Completed - Case Closed				

Lists of state and tribal registered storage tanks

UST: Active UST Facilities

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
E&B PETROLEUM CORP	1103 LA CRESTA BLVD	SSW 0 - 1/8 (0.023 mi.)	B11 / 2	59
Database: UST, Date of Government Version: 03/03/2025				

Facility Id: 37-000-215822

CNTY OF SD DEPT OF P	2914 TAVERN RD	NNE 0 - 1/8 (0.099 mi.)	C15 / 4	76

Database: UST, Date of Government Version: 03/03/2025
Facility Id: 37-000-103714

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: California Environmental Reporting System Hazardous Waste

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/12/2025 has revealed that there are 3 CERS HAZ WASTE sites within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
CREST AUTO REPAIR	***128 LA CRESTA RD***	***SSW 0 - 1/8 (0.016 mi.)***	***B7 / 2***	***38***
E&B PETROLEUM CORP	***1103 LA CRESTA BLVD***	***SSW 0 - 1/8 (0.023 mi.)***	***B13 / 2***	***65***
COUNTY OF SAN DIEGO/	***2914 TAVERN RD***	***NNE 0 - 1/8 (0.099 mi.)***	***C17 / 4***	***79***

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 2 SWEEPS UST sites within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
CREST AUTO REPAIR	***128 LA CRESTA RD***	***SSW 0 - 1/8 (0.016 mi.)***	***B9 / 2***	***56***
Status: A Comp Number: 12511				
COUNTY OF SAN DIEGO/	***2914 TAVERN RD***	***NNE 0 - 1/8 (0.099 mi.)***	***C17 / 4***	***79***
Status: A Tank Status: A Comp Number: 3714				

HIST UST: Hazardous Substance Storage Container Database

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 HIST UST sites within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
ALPINE ROAD STATION	***2910 TAVERN RD***	***NNE 0 - 1/8 (0.099 mi.)***	***C22 / 4***	***130***
Facility Id: 00000044152				
ALPINE ROAD STATION	***2910 TAVERN ROAD***	***NNE 0 - 1/8 (0.099 mi.)***	***C23 / 4***	***131***

CERS TANKS: California Environmental Reporting System (CERS) Tanks

A review of the CERS TANKS list, as provided by EDR, and dated 01/12/2025 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
E&B PETROLEUM CORP	***1103 LA CRESTA BLVD***	***SSW 0 - 1/8 (0.023 mi.)***	***B13 / 2***	***65***
COUNTY OF SAN DIEGO/	***2914 TAVERN RD***	***NNE 0 - 1/8 (0.099 mi.)***	***C17 / 4***	***79***

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 02/17/2025 has revealed that there are 9 RCRA NonGen / NLR sites within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
CREST AUTO REPAIR EPA ID:: CAL000013673	128 LA CRESTA RD	SSW 0 - 1/8 (0.016 mi.)	B8 / 2	54
E&B PETROLEUM CORPOR EPA ID:: CAL000471726	1103 LA CRESTA BLVD	SSW 0 - 1/8 (0.023 mi.)	B12 / 2	63
BAUTISTA ASBESTOS EN EPA ID:: CAL000490216	2056 OLD BEND RD	S 0 - 1/8 (0.028 mi.)	14 / 1	74
COUNTY OF SAN DIEGO EPA ID:: CAL000022806	***2914 TAVERN RD***	***NNE 0 - 1/8 (0.099 mi.)***	***C18 / 4***	***116***
COUNTY OF SAN DIEGO EPA ID:: CAP000222703	2910 TAVERN RD	NNE 0 - 1/8 (0.099 mi.)	C21 / 4	127
P&M CHEMICAL WASTE T EPA ID:: CAD980695266	***860 RENFRO WAY***	***N 1/8 - 1/4 (0.171 mi.)***	***27 / 2***	***137***
TRACY STIELAY EPA ID:: CAC002965514	150 ALAMO WAY	SSE 1/8 - 1/4 (0.201 mi.)	29 / 2	140
PAUL HARDING COMMUNI EPA ID:: CAC003162695	115 CANYON VIEW DRIV	S 1/8 - 1/4 (0.202 mi.)	30 / 2	142
KENNETH BLAND EPA ID:: CAC003030716	***229 ALAMO WAY***	***SSE 1/8 - 1/4 (0.246 mi.)***	***31 / 2***	***145***

MINES MRDS: Mineral Resources Data System

A review of the MINES MRDS list, as provided by EDR, and dated 06/04/2024 has revealed that there are 4 MINES MRDS sites within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
UNNAMED SILLIMANITE		NNE 1/8 - 1/4 (0.132 mi.)	24 / 3	134
RED ROSE QUARRY		NNE 1/8 - 1/4 (0.157 mi.)	D25 / 2	135
RED ROSE QUARRY		NNE 1/8 - 1/4 (0.158 mi.)	D26 / 2	136
DEHESA DUMORTIERITE		SSW 1/8 - 1/4 (0.174 mi.)	28 / 4	139

EXECUTIVE SUMMARY

UST FINDER RELEASE: UST Finder Releases Database

A review of the UST FINDER RELEASE list, as provided by EDR, and dated 06/08/2023 has revealed that there are 4 UST FINDER RELEASE sites within approximately 0.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
COUNTY OF SD/ALPINE	2914 TAVERN RD	NNE 0 - 1/8 (0.099 mi.)	C19 / 4	124
GAS DEPOT	490 N 02ND ST	SSE 1/4 - 1/2 (0.345 mi.)	33 / 1	152
AMERICAN TIRE & SERV	435 N 02ND ST	SSE 1/4 - 1/2 (0.370 mi.)	E35 / 1	156
KOREY'S AUTO REPAIR	303 N 02ND ST	SSE 1/4 - 1/2 (0.444 mi.)	36 / 2	157

UST FINDER: UST Finder Database

A review of the UST FINDER list, as provided by EDR, and dated 06/08/2023 has revealed that there is 1 UST FINDER site within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
CNTY OF SD DEPT OF P	2914 TAVERN RD	NNE 0 - 1/8 (0.099 mi.)	C16 / 4	78

E MANIFEST: Hazardous Waste Electronic Manifest System

A review of the E MANIFEST list, as provided by EDR, and dated 02/17/2025 has revealed that there are 2 E MANIFEST sites within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
COUNTY OF SAN DIEGO	***2914 TAVERN RD***	***NNE 0 - 1/8 (0.099 mi.)***	***C18 / 4***	***116***
KENNETH BLAND	***229 ALAMO WAY***	***SSE 1/8 - 1/4 (0.246 mi.)***	***31 / 2***	***145***

Cortese: "Cortese" Hazardous Waste & Substances Sites List

A review of the Cortese list, as provided by EDR, and dated 12/11/2024 has revealed that there are 2 Cortese sites within approximately 0.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
COUNTY OF SAN DIEGO/	***2914 TAVERN RD***	***NNE 0 - 1/8 (0.099 mi.)***	***C17 / 4***	***79***
Cleanup Status: COMPLETED - CASE CLOSED				
AMERICAN TIRE & SERV	***435 N 02ND ST***	***SSE 1/4 - 1/2 (0.370 mi.)***	***E34 / 1***	***153***
Cleanup Status: COMPLETED - CASE CLOSED				

HIST CORTESE: Hazardous Waste & Substance Site List

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 HIST CORTESE sites within approximately 0.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
COUNTY OF SAN DIEGO/	***2914 TAVERN***	***NNE 0 - 1/8 (0.099 mi.)***	***C20 / 4***	***124***
Reg Id: 9UT3863				
CREST RADIO RELAY	***519 ALTA LN***	***SSE 1/4 - 1/2 (0.340 mi.)***	***32 / 1***	***151***

Reg Id: 083002949T Reg Id: 083001886T				
ABANDONED SERVICE ST Reg Id: 9UT362	551 HARBISON CNYN	N 1/4 - 1/2 (0.452 mi.)	F37 / 2	158

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR Exclusive Historical Auto Stations

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the requested target property.

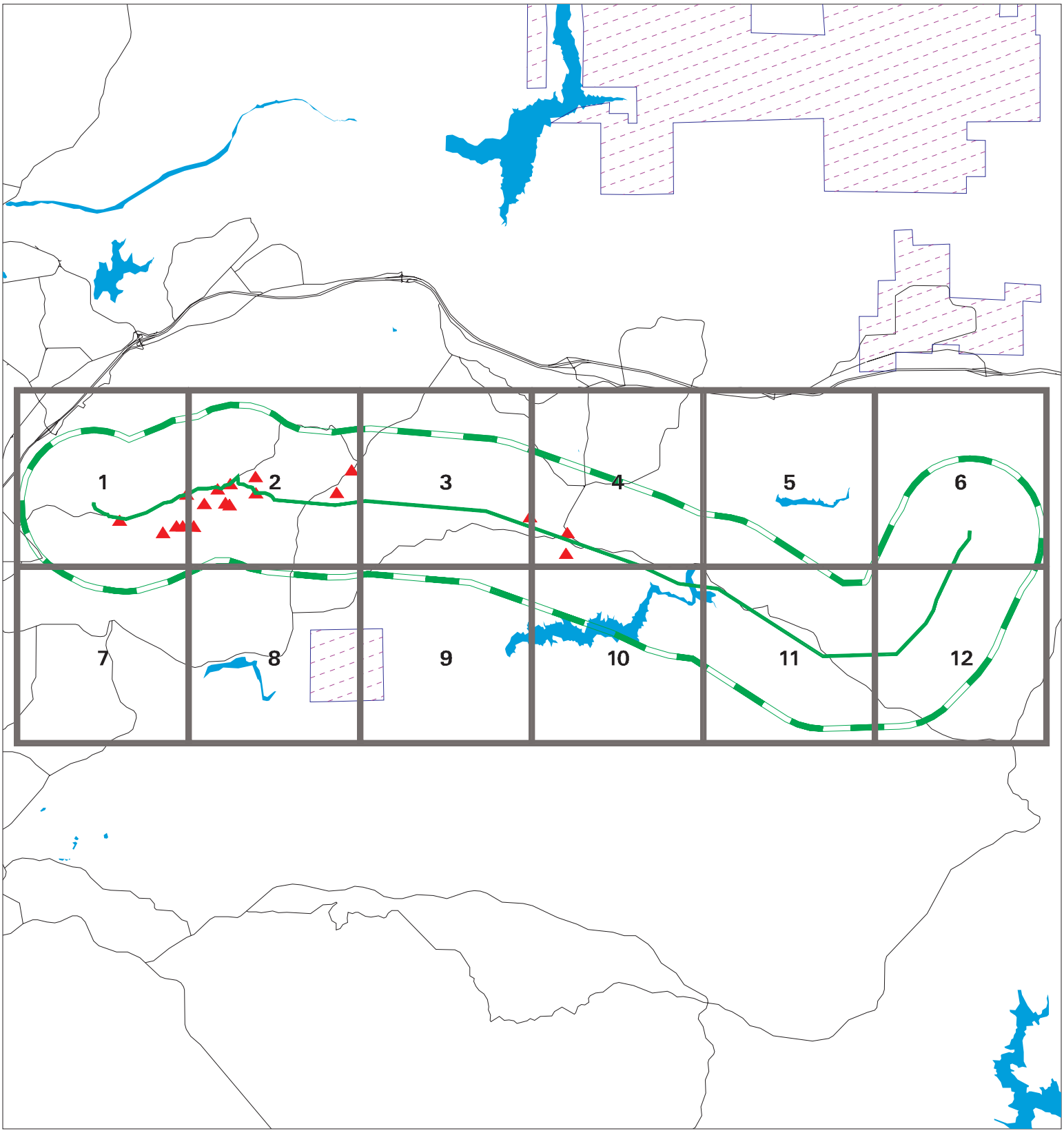
Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
PEARSON 66	128 LA CRESTA BLVD	SSW 0 - 1/8 (0.016 mi.)	B10 / 2	59

MAPPED SITES SUMMARY

Target Property:
N/A
ALPINE, CA 91901

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
1 / 2	REBECCA ADE	328 EAST MOUNTAINVIE	HWTS	TP		
2 / 2	KEARNEY SUBDIVISION	AL BAHR RD & CANYON	NPDES, CIWQS	TP		
A3 / 1	JAMES WILLIAMS	445 LA CRESTA RD	FINDS	TP		
A4 / 1	JAMES WILLIAMS	445 LA CRESTA RD	ECHO	TP		
A5 / 1	445 LA CRESTA RD	445 LA CRESTA RD	RCRA NonGen / NLR	TP		
A6 / 1	JAMES WILLIAMS	445 LA CREST RD.	HWTS	TP		
B7 / 2	CREST AUTO REPAIR	128 LA CRESTA RD	San Diego Co. HMMD, CERS HAZ WASTE, CERS	83	0.016	SSW
B8 / 2	CREST AUTO REPAIR	128 LA CRESTA RD	RCRA NonGen / NLR	83	0.016	SSW
B9 / 2	CREST AUTO REPAIR	128 LA CRESTA RD	SWEEPS UST, FINDS, ECHO	83	0.016	SSW
B10 / 2	PEARSON 66	128 LA CRESTA BLVD	EDR Hist Auto	83	0.016	SSW
B11 / 2	E&B PETROLEUM CORP	1103 LA CRESTA BLVD	UST	124	0.023	SSW
B12 / 2	E&B PETROLEUM CORPOR	1103 LA CRESTA BLVD	RCRA NonGen / NLR	124	0.023	SSW
B13 / 2	E&B PETROLEUM CORP	1103 LA CRESTA BLVD	CERS HAZ WASTE, CERS TANKS, HWTS, CERS	124	0.023	SSW
14 / 1	BAUTISTA ASBESTOS EN	2056 OLD BEND RD	RCRA NonGen / NLR	149	0.028	South
C15 / 4	CNTY OF SD DEPT OF P	2914 TAVERN RD	UST	523	0.099	NNE
C16 / 4	CNTY OF SD DEPT OF P	2914 TAVERN RD	UST FINDER	523	0.099	NNE
C17 / 4	COUNTY OF SAN DIEGO/	2914 TAVERN RD	LUST, SAN DIEGO CO. SAM, San Diego Co. H...	523	0.099	NNE
C18 / 4	COUNTY OF SAN DIEGO	2914 TAVERN RD	RCRA NonGen / NLR, E MANIFEST	523	0.099	NNE
C19 / 4	COUNTY OF SD/ALPINE	2914 TAVERN RD	UST FINDER RELEASE	523	0.099	NNE
C20 / 4	COUNTY OF SAN DIEGO/	2914 TAVERN	LUST, HIST CORTESE, SAN DIEGO CO LOP, CE...	523	0.099	NNE
C21 / 4	COUNTY OF SAN DIEGO	2910 TAVERN RD	RCRA NonGen / NLR	523	0.099	NNE
C22 / 4	ALPINE ROAD STATION	2910 TAVERN RD	HIST UST, EMI	523	0.099	NNE
C23 / 4	ALPINE ROAD STATION	2910 TAVERN ROAD	HIST UST, HWTS, HAZNET	523	0.099	NNE
24 / 3	UNNAMED SILLIMANITE		MINES MRDS	698	0.132	NNE
D25 / 2	RED ROSE QUARRY		MINES MRDS	830	0.157	NNE
D26 / 2	RED ROSE QUARRY		MINES MRDS	834	0.158	NNE
27 / 2	P&M CHEMICAL WASTE T	860 RENFRO WAY	RCRA NonGen / NLR, FINDS, ECHO	904	0.171	North
28 / 4	DEHESA DUMORTIERITE		MINES MRDS	921	0.174	SSW
29 / 2	TRACY STIELAY	150 ALAMO WAY	RCRA NonGen / NLR	1062	0.201	SSE
30 / 2	PAUL HARDING COMMUNI	115 CANYON VIEW DRIV	RCRA NonGen / NLR	1069	0.202	South
31 / 2	KENNETH BLAND	229 ALAMO WAY	RCRA NonGen / NLR, E MANIFEST	1298	0.246	SSE
32 / 1	CREST RADIO RELAY	519 ALTA LN	SWEEPS UST, HIST UST, HIST CORTESE	1797	0.340	SSE
33 / 1	GAS DEPOT	490 N 02ND ST	UST FINDER RELEASE	1819	0.345	SSE
E34 / 1	AMERICAN TIRE & SERV	435 N 02ND ST	LUST, SAN DIEGO CO. SAM, Cortese, SAN DI...	1954	0.370	SSE
E35 / 1	AMERICAN TIRE & SERV	435 N 02ND ST	UST FINDER RELEASE	1954	0.370	SSE
36 / 2	KOREY'S AUTO REPAIR	303 N 02ND ST	UST FINDER RELEASE	2342	0.444	SSE
F37 / 2	ABANDONED SERVICE ST	551 HARBISON CNYN	HIST CORTESE	2388	0.452	North
F38 / 2	WALTER EARL DOTSON A	551 HARBISON CANYON	LUST, CPS-SLIC	2388	0.452	North
F39 / 2	WALTER EARL DOTSON A	551 HARBISON CANYON	SAN DIEGO CO. SAM, San Diego Co. HMMD, S...	2388	0.452	North

Key Map - 7999710.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1 1/2 3 Miles

SITE NAME: Sycamore Canyon 230 Kilovolt Loop In to Suncrest Project	CLIENT: Insignia Environmental
ADDRESS: N/A	CONTACT: Julie Roshala
CITY/STATE: Alpine CA	INQUIRY #: 7999710.5s
ZIP: 91901	DATE: 05/27/25 4:28 PM

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		2	0	2	NR	NR	4
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	1	NR	NR	1
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		2	0	NR	NR	NR	2
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		3	0	NR	NR	NR	3
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		2	0	NR	NR	NR	2
HIST UST	0.250		2	0	NR	NR	NR	2
CERS TANKS	0.250		2	0	NR	NR	NR	2
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	1	5	4	NR	NR	NR	10
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	4	NR	NR	NR	4
FINDS	TP	1	NR	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
ECHO	TP	1	NR	NR	NR	NR	NR	1
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS PROJECT	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		1	0	3	NR	NR	4
UST FINDER	0.250		1	0	NR	NR	NR	1
E MANIFEST	0.250		1	1	NR	NR	NR	2
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
CHROME PLATING	0.500		0	0	0	NR	NR	0
Cortese	0.500		1	0	1	NR	NR	2
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	0	2	NR	NR	3
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWTS	TP	2	NR	NR	NR	NR	NR	2
HAZNET	TP		NR	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP	1	NR	NR	NR	NR	NR	1
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP	1	NR	NR	NR	NR	NR	1
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		7	24	9	9	0	0	49

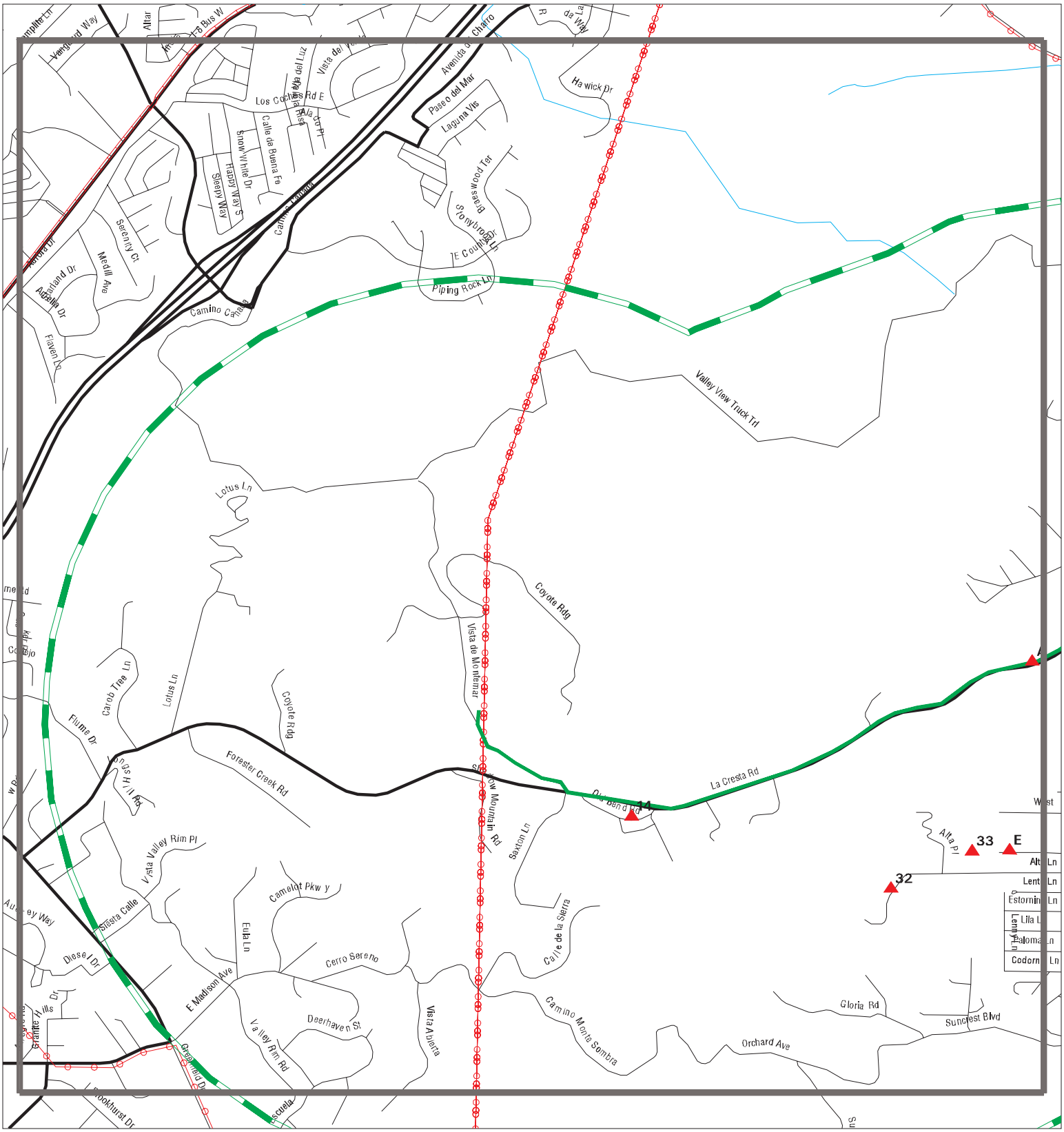
NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Focus Map - 1 - 7999710.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME:	Sycamore Canyon 230 Kilovolt Loop In to Suncrest Projec	CLIENT:	Insignia Environmental
ADDRESS:	N/A	CONTACT:	Julie Roshala
CITY/STATE:	Alpine CA	INQUIRY #:	7999710.5s
ZIP:	91901	DATE:	05/27/25

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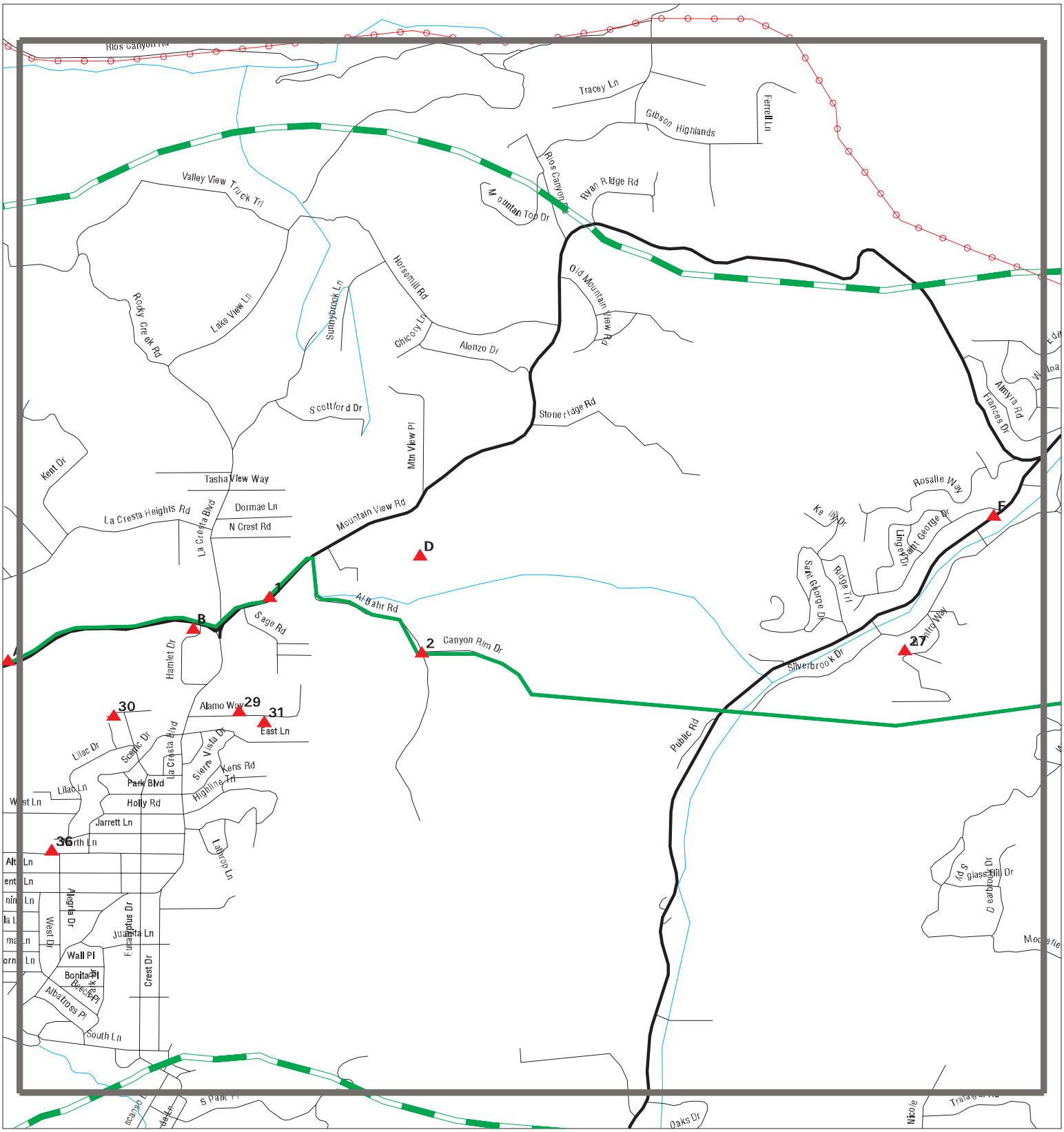
MAPPED SITES SUMMARY - FOCUS MAP 1

Target Property:
N/A
ALPINE, CA 91901

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
A3 / 1	JAMES WILLIAMS	445 LA CRESTA RD	FINDS	TP
A4 / 1	JAMES WILLIAMS	445 LA CRESTA RD	ECHO	TP
A5 / 1	445 LA CRESTA RD	445 LA CRESTA RD	RCRA NonGen / NLR	TP
A6 / 1	JAMES WILLIAMS	445 LA CREST RD.	HWTS	TP
14 / 1	BAUTISTA ASBESTOS EN	2056 OLD BEND RD	RCRA NonGen / NLR	149 0.028 South
32 / 1	CREST RADIO RELAY	519 ALTA LN	SWEEPS UST, HIST UST, HIST CORTESE	1797 0.340 SSE
33 / 1	GAS DEPOT	490 N 02ND ST	UST FINDER RELEASE	1819 0.345 SSE
E34 / 1	AMERICAN TIRE & SERV	435 N 02ND ST	LUST, SAN DIEGO CO. SAM, Cortese, SAN DI...	1954 0.370 SSE
E35 / 1	AMERICAN TIRE & SERV	435 N 02ND ST	UST FINDER RELEASE	1954 0.370 SSE

Focus Map - 2 - 7999710.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

SITE NAME: Sycamore Canyon 230 Kilovolt Loop In to Suncrest Project	CLIENT: Insignia Environmental
ADDRESS: N/A	CONTACT: Julie Roshala
CITY/STATE: Alpine CA	INQUIRY #: 7999710.5s
ZIP: 91901	DATE: 05/27/25

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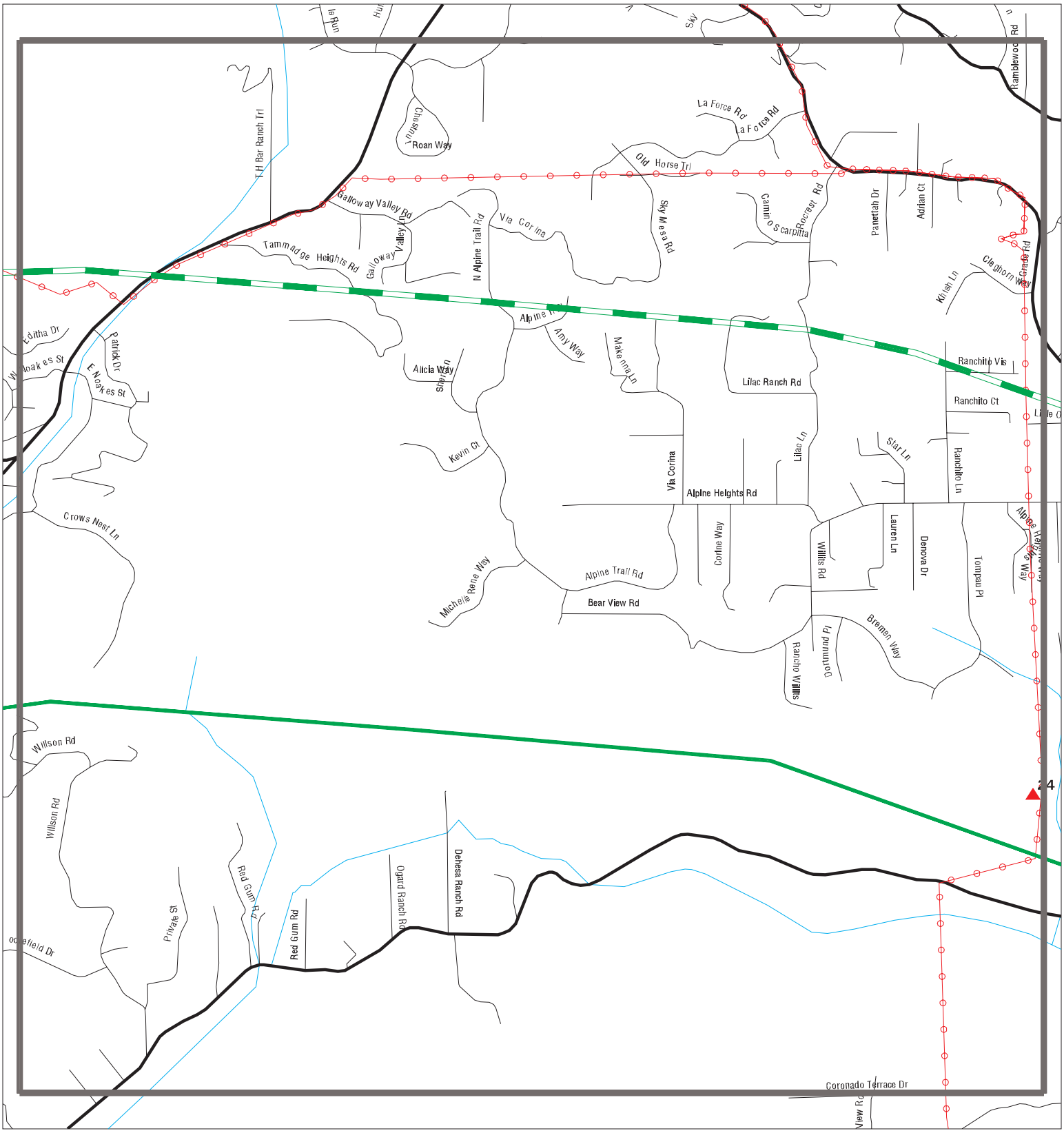
MAPPED SITES SUMMARY - FOCUS MAP 2

Target Property:
N/A
ALPINE, CA 91901

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
1 / 2	REBECCA ADE	328 EAST MOUNTAINVIE	HWTS	TP
2 / 2	KEARNEY SUBDIVISION	AL BAHR RD & CANYON	NPDES, CIWQS	TP
B7 / 2	CREST AUTO REPAIR	128 LA CRESTA RD	San Diego Co. HMMD, CERS HAZ WASTE, CERS	83 0.016 SSW
B8 / 2	CREST AUTO REPAIR	128 LA CRESTA RD	RCRA NonGen / NLR	83 0.016 SSW
B9 / 2	CREST AUTO REPAIR	128 LA CRESTA RD	SWEEPS UST, FINDS, ECHO	83 0.016 SSW
B10 / 2	PEARSON 66	128 LA CRESTA BLVD	EDR Hist Auto	83 0.016 SSW
B11 / 2	E&B PETROLEUM CORP	1103 LA CRESTA BLVD	UST	124 0.023 SSW
B12 / 2	E&B PETROLEUM CORPOR	1103 LA CRESTA BLVD	RCRA NonGen / NLR	124 0.023 SSW
B13 / 2	E&B PETROLEUM CORP	1103 LA CRESTA BLVD	CERS HAZ WASTE, CERS TANKS, HWTS, CERS	124 0.023 SSW
D25 / 2	RED ROSE QUARRY		MINES MRDS	830 0.157 NNE
D26 / 2	RED ROSE QUARRY		MINES MRDS	834 0.158 NNE
27 / 2	P&M CHEMICAL WASTE T	860 RENFRO WAY	RCRA NonGen / NLR, FINDS, ECHO	904 0.171 North
29 / 2	TRACY STIELAY	150 ALAMO WAY	RCRA NonGen / NLR	1062 0.201 SSE
30 / 2	PAUL HARDING COMMUNI	115 CANYON VIEW DRIV	RCRA NonGen / NLR	1069 0.202 South
31 / 2	KENNETH BLAND	229 ALAMO WAY	RCRA NonGen / NLR, E MANIFEST	1298 0.246 SSE
36 / 2	KOREY'S AUTO REPAIR	303 N 02ND ST	UST FINDER RELEASE	2342 0.444 SSE
F37 / 2	ABANDONED SERVICE ST	551 HARBISON CNYN	HIST CORTESE	2388 0.452 North
F38 / 2	WALTER EARL DOTSON A	551 HARBISON CANYON	LUST, CPS-SLIC	2388 0.452 North
F39 / 2	WALTER EARL DOTSON A	551 HARBISON CANYON	SAN DIEGO CO. SAM, San Diego Co. HMMD, S...	2388 0.452 North

Focus Map - 3 - 7999710.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME:	Sycamore Canyon 230 Kilovolt Loop In to Suncrest Projec	CLIENT:	Insignia Environmental
ADDRESS:	N/A	CONTACT:	Julie Roshala
CITY/STATE:	Alpine CA	INQUIRY #:	7999710.5s
ZIP:	91901	DATE:	05/27/25

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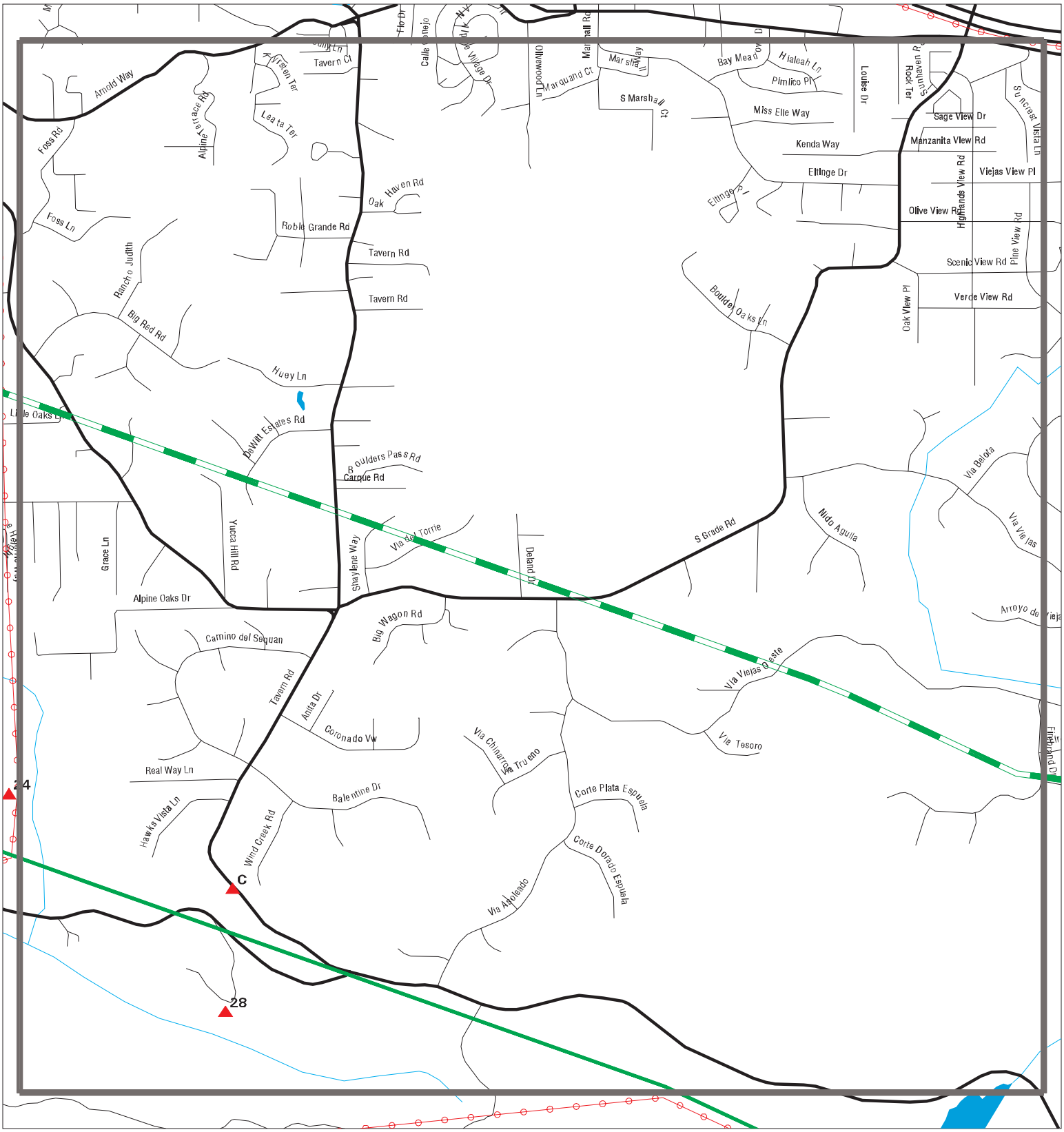
MAPPED SITES SUMMARY - FOCUS MAP 3

Target Property:
N/A
ALPINE, CA 91901

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
24 / 3	UNNAMED SILLIMANITE		MINES MRDS	698 0.132 NNE

Focus Map - 4 - 7999710.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Sycamore Canyon 230 Kilovolt Loop In to Suncrest Project	CLIENT: Insignia Environmental
ADDRESS: N/A	CONTACT: Julie Roshala
CITY/STATE: Alpine CA	INQUIRY #: 7999710.5s
ZIP: 91901	DATE: 05/27/25

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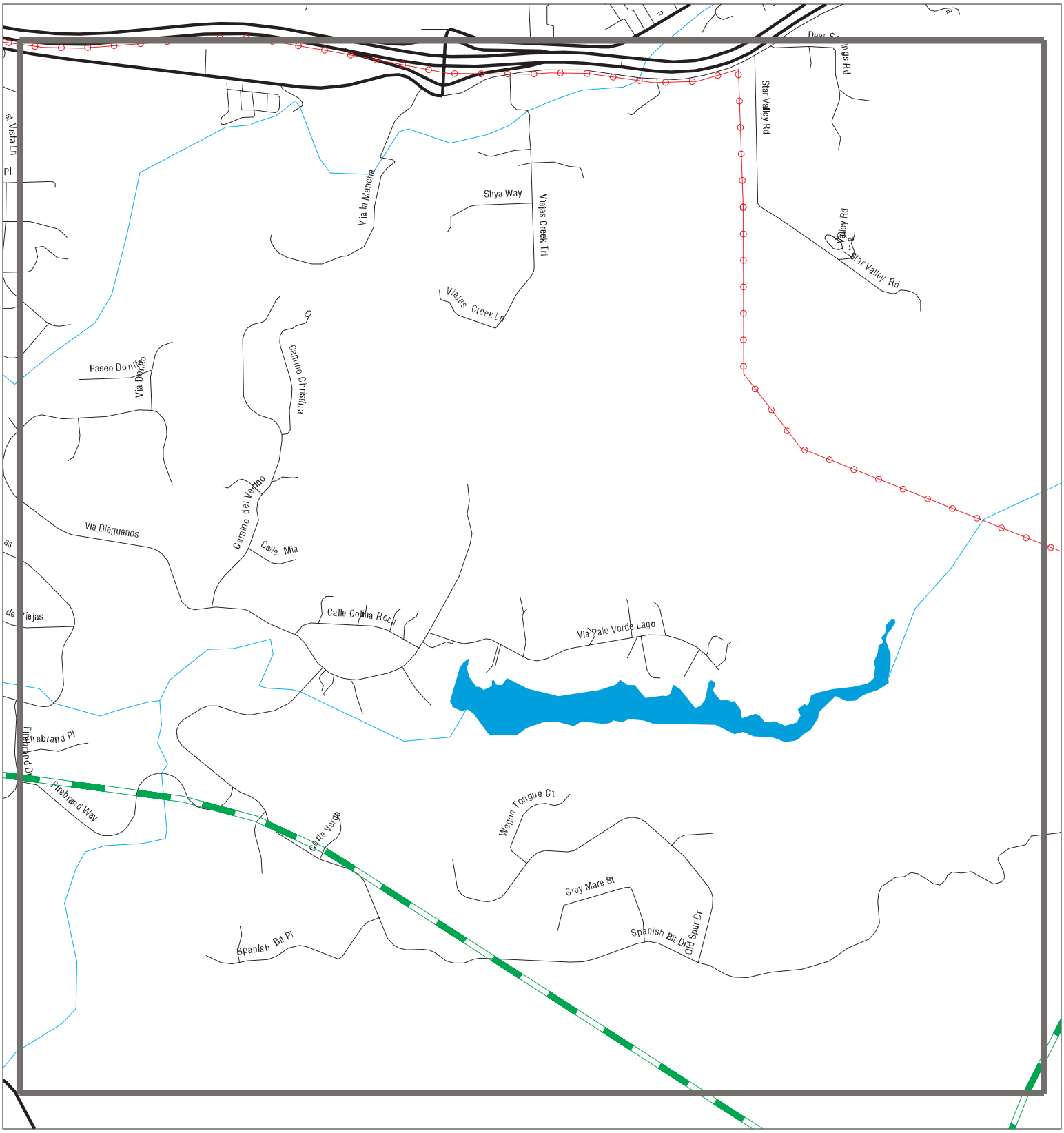
MAPPED SITES SUMMARY - FOCUS MAP 4

Target Property:
N/A
ALPINE, CA 91901

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
C15 / 4	CNTY OF SD DEPT OF P	2914 TAVERN RD	UST	523	0.099	NNE
C16 / 4	CNTY OF SD DEPT OF P	2914 TAVERN RD	UST FINDER	523	0.099	NNE
C17 / 4	COUNTY OF SAN DIEGO/	2914 TAVERN RD	LUST, SAN DIEGO CO. SAM, San Diego Co. H...	523	0.099	NNE
C18 / 4	COUNTY OF SAN DIEGO	2914 TAVERN RD	RCRA NonGen / NLR, E MANIFEST	523	0.099	NNE
C19 / 4	COUNTY OF SD/ALPINE	2914 TAVERN RD	UST FINDER RELEASE	523	0.099	NNE
C20 / 4	COUNTY OF SAN DIEGO/	2914 TAVERN	LUST, HIST CORTESE, SAN DIEGO CO LOP, CE...	523	0.099	NNE
C21 / 4	COUNTY OF SAN DIEGO	2910 TAVERN RD	RCRA NonGen / NLR	523	0.099	NNE
C22 / 4	ALPINE ROAD STATION	2910 TAVERN RD	HIST UST, EMI	523	0.099	NNE
C23 / 4	ALPINE ROAD STATION	2910 TAVERN ROAD	HIST UST, HWTS, HAZNET	523	0.099	NNE
28 / 4	DEHESA DUMORTIERITE		MINES MRDS	921	0.174	SSW

Focus Map - 5 - 7999710.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME:	Sycamore Canyon 230 Kilovolt Loop In to Suncrest Project	CLIENT:	Insignia Environmental
ADDRESS:	N/A	CONTACT:	Julie Roshala
CITY/STATE:	Alpine CA	INQUIRY #:	7999710.5s
ZIP:	91901	DATE:	05/27/25

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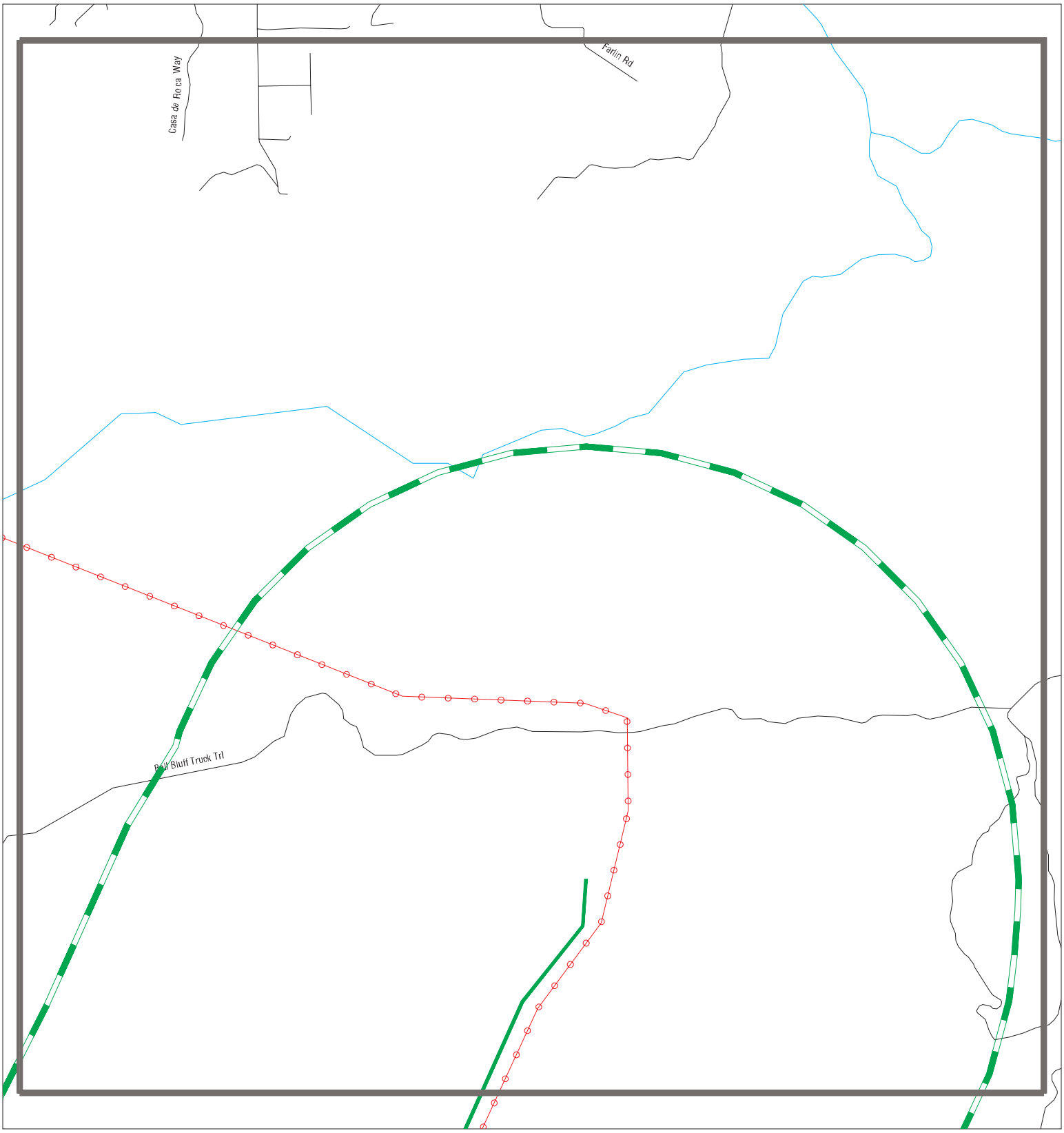
MAPPED SITES SUMMARY - FOCUS MAP 5

Target Property:
N/A
ALPINE, CA 91901

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 6 - 7999710.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME:	Sycamore Canyon 230 Kilovolt Loop In to Suncrest Project	CLIENT:	Insignia Environmental
ADDRESS:	N/A	CONTACT:	Julie Roshala
CITY/STATE:	Alpine CA	INQUIRY #:	7999710.5s
ZIP:	91901	DATE:	05/27/25

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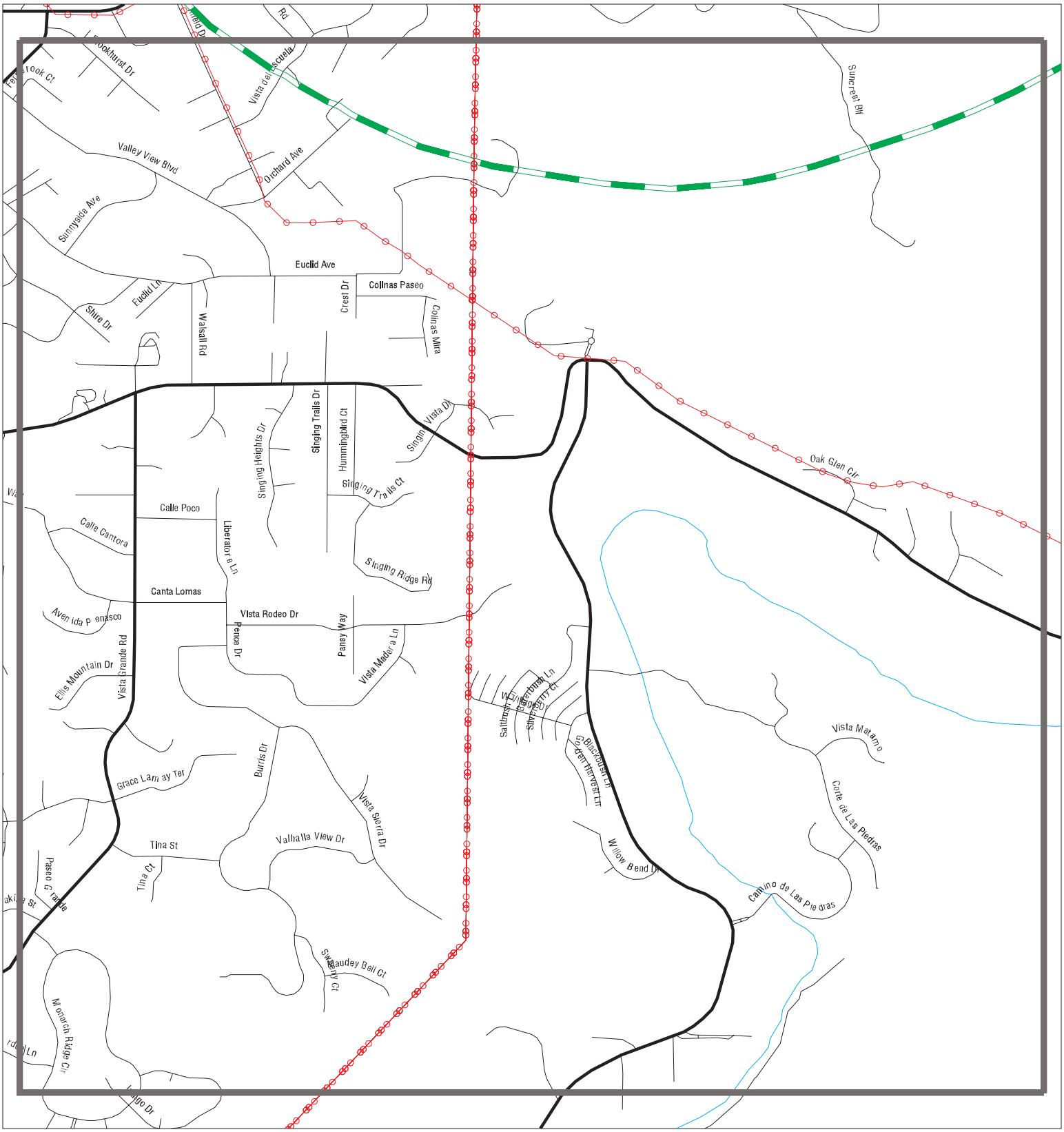
MAPPED SITES SUMMARY - FOCUS MAP 6

Target Property:
N/A
ALPINE, CA 91901

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 7 - 7999710.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME:	Sycamore Canyon 230 Kilovolt Loop In to Suncrest Projec	CLIENT:	Insignia Environmental
ADDRESS:	N/A	CONTACT:	Julie Roshala
CITY/STATE:	Alpine CA	INQUIRY #:	7999710.5s
ZIP:	91901	DATE:	05/27/25

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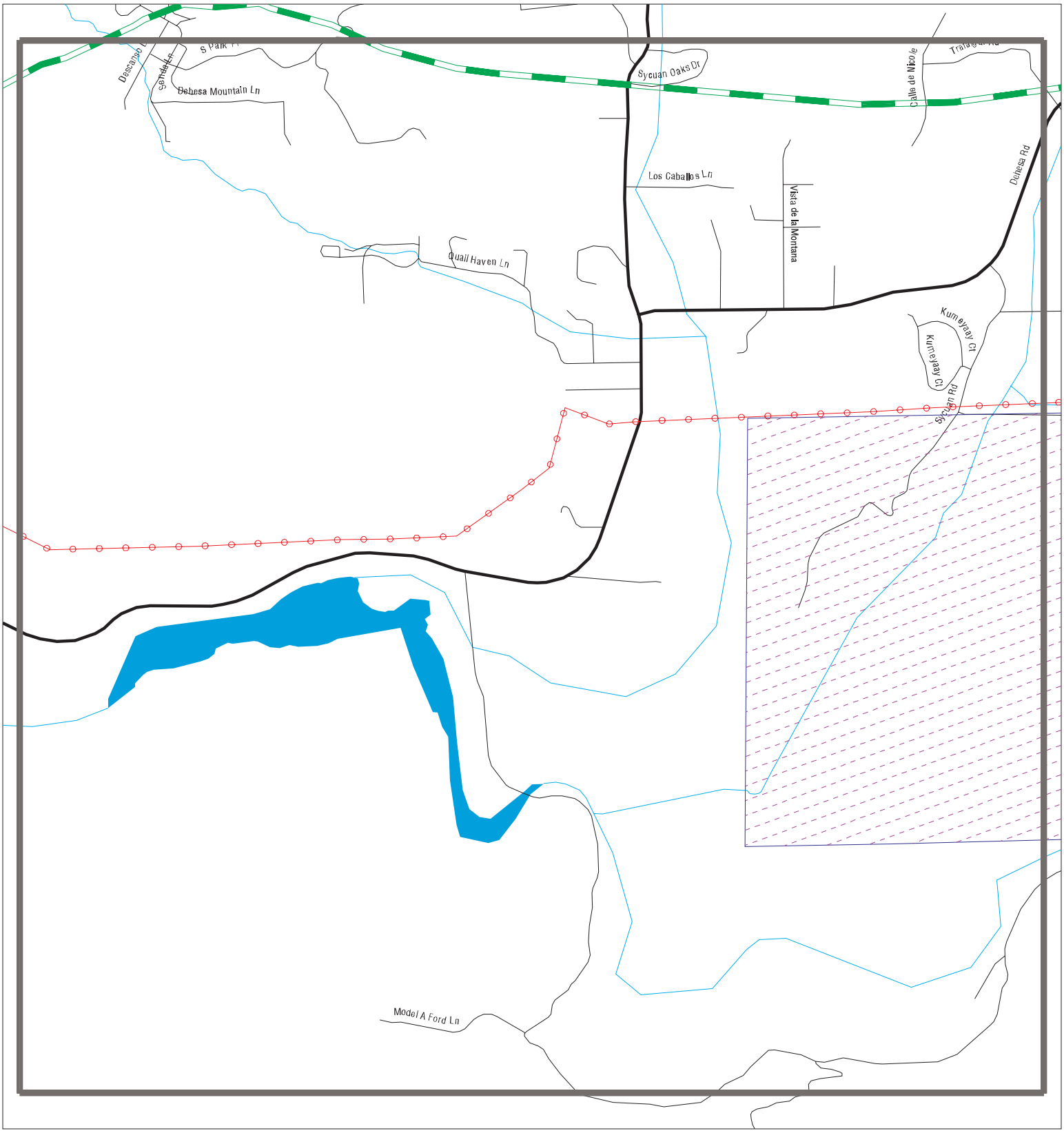
MAPPED SITES SUMMARY - FOCUS MAP 7

Target Property:
N/A
ALPINE, CA 91901

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 8 - 7999710.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME:	Sycamore Canyon 230 Kilovolt Loop In to Suncrest Project	CLIENT:	Insignia Environmental
ADDRESS:	N/A	CONTACT:	Julie Roshala
CITY/STATE:	Alpine CA	INQUIRY #:	7999710.5s
ZIP:	91901	DATE:	05/27/25

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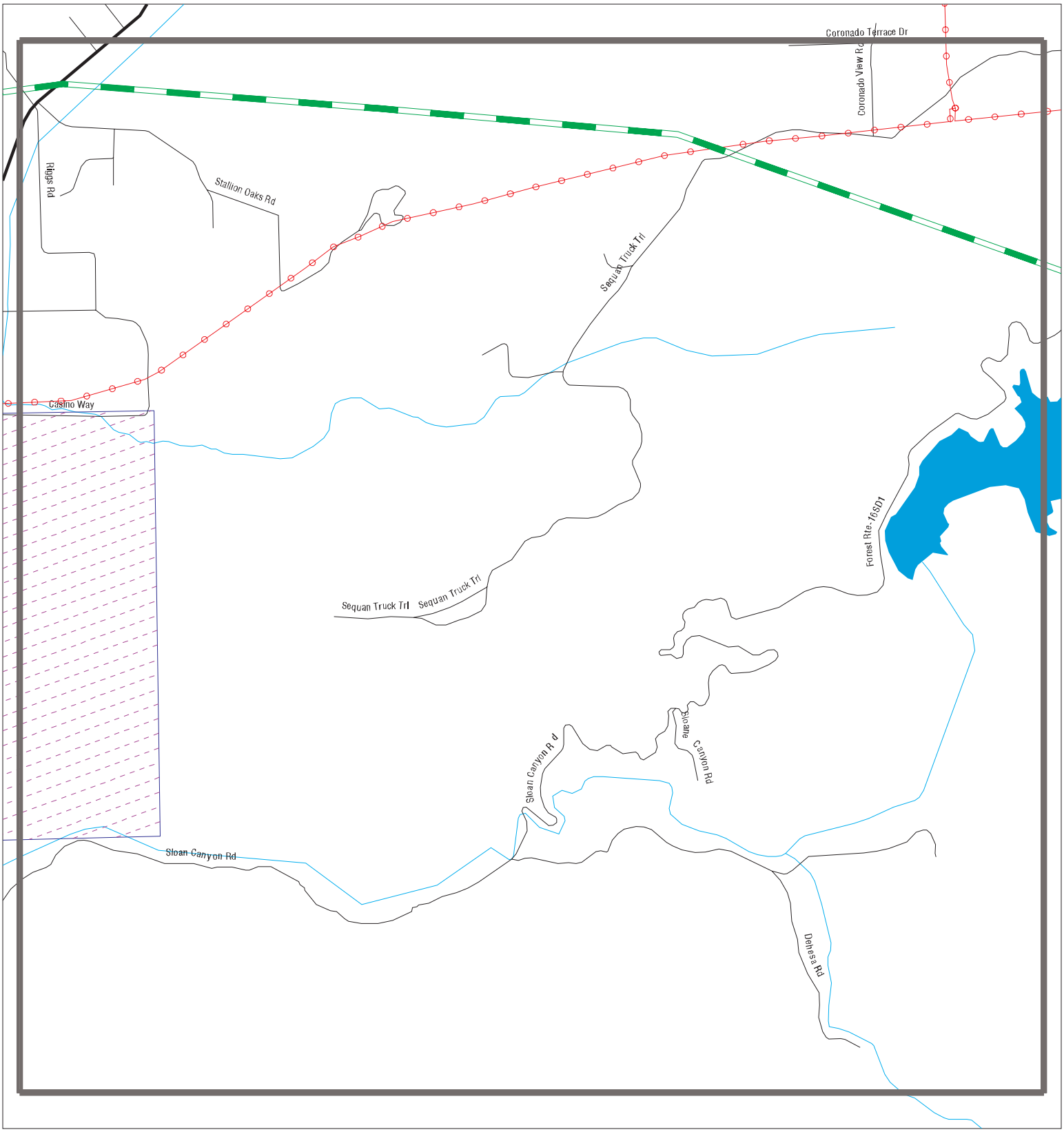
MAPPED SITES SUMMARY - FOCUS MAP 8

Target Property:
N/A
ALPINE, CA 91901

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 9 - 7999710.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Sycamore Canyon 230 Kilovolt Loop In to Suncrest Project	CLIENT: Insignia Environmental
ADDRESS: N/A	CONTACT: Julie Roshala
CITY/STATE: Alpine CA	INQUIRY #: 7999710.5s
ZIP: 91901	DATE: 05/27/25

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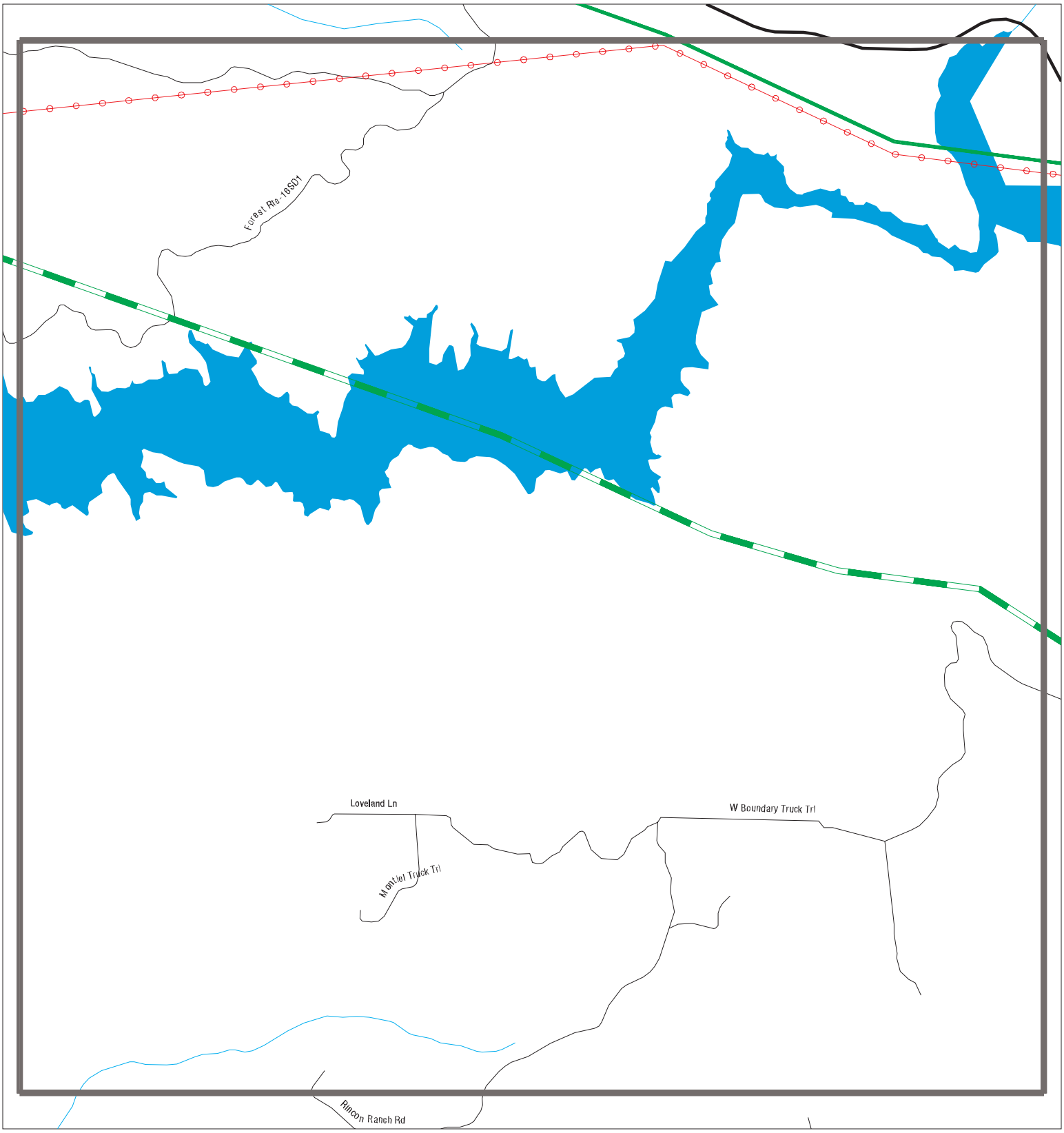
MAPPED SITES SUMMARY - FOCUS MAP 9

Target Property:
N/A
ALPINE, CA 91901

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 10 - 7999710.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME:	Sycamore Canyon 230 Kilovolt Loop In to Suncrest Project	CLIENT:	Insignia Environmental
ADDRESS:	N/A	CONTACT:	Julie Roshala
CITY/STATE:	Alpine CA	INQUIRY #:	7999710.5s
ZIP:	91901	DATE:	05/27/25

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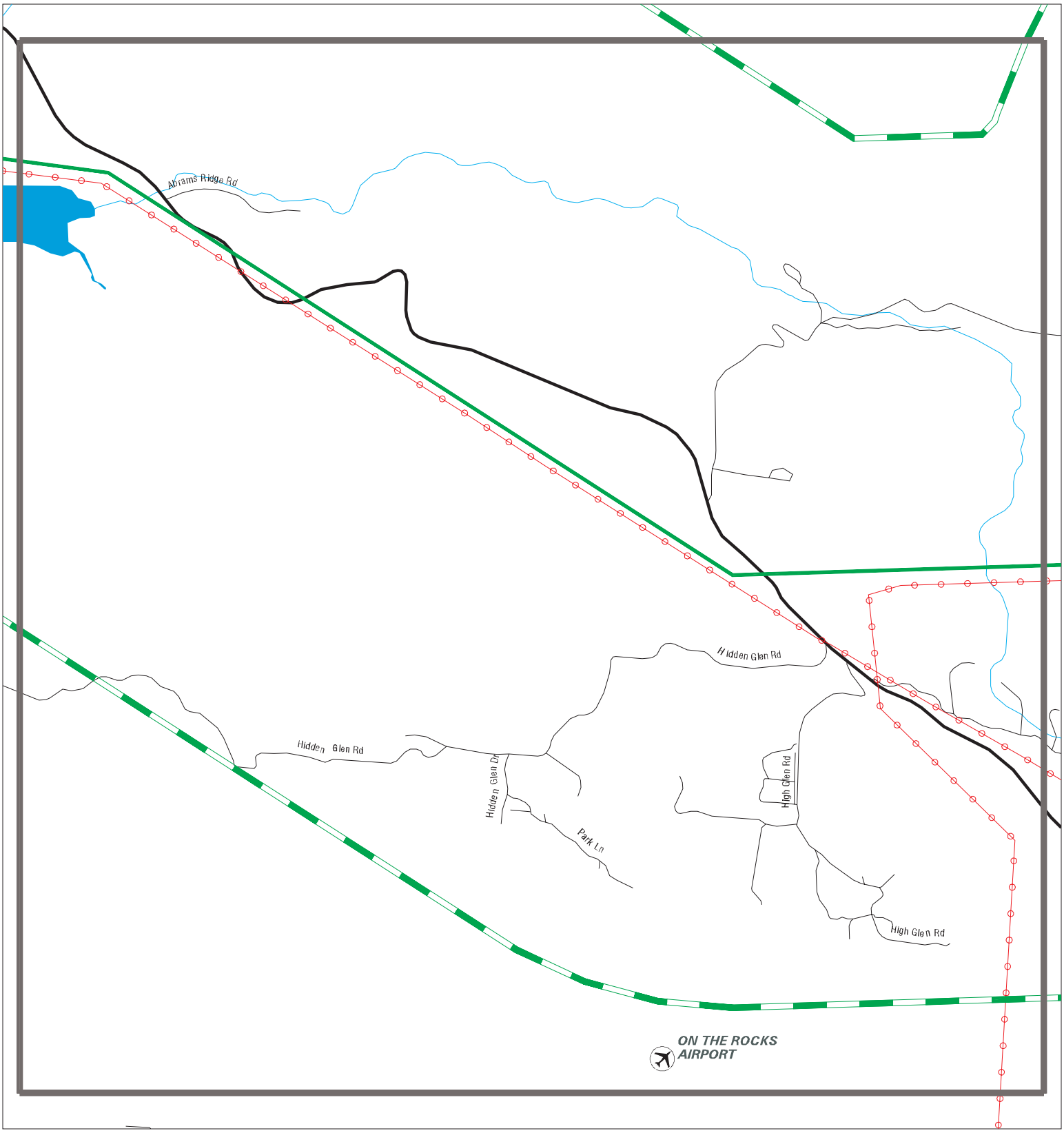
MAPPED SITES SUMMARY - FOCUS MAP 10

Target Property:
N/A
ALPINE, CA 91901

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 11 - 7999710.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Sycamore Canyon 230 Kilovolt Loop In to Suncrest Project	CLIENT: Insignia Environmental
ADDRESS: N/A	CONTACT: Julie Roshala
CITY/STATE: Alpine CA	INQUIRY #: 7999710.5s
ZIP: 91901	DATE: 05/27/25

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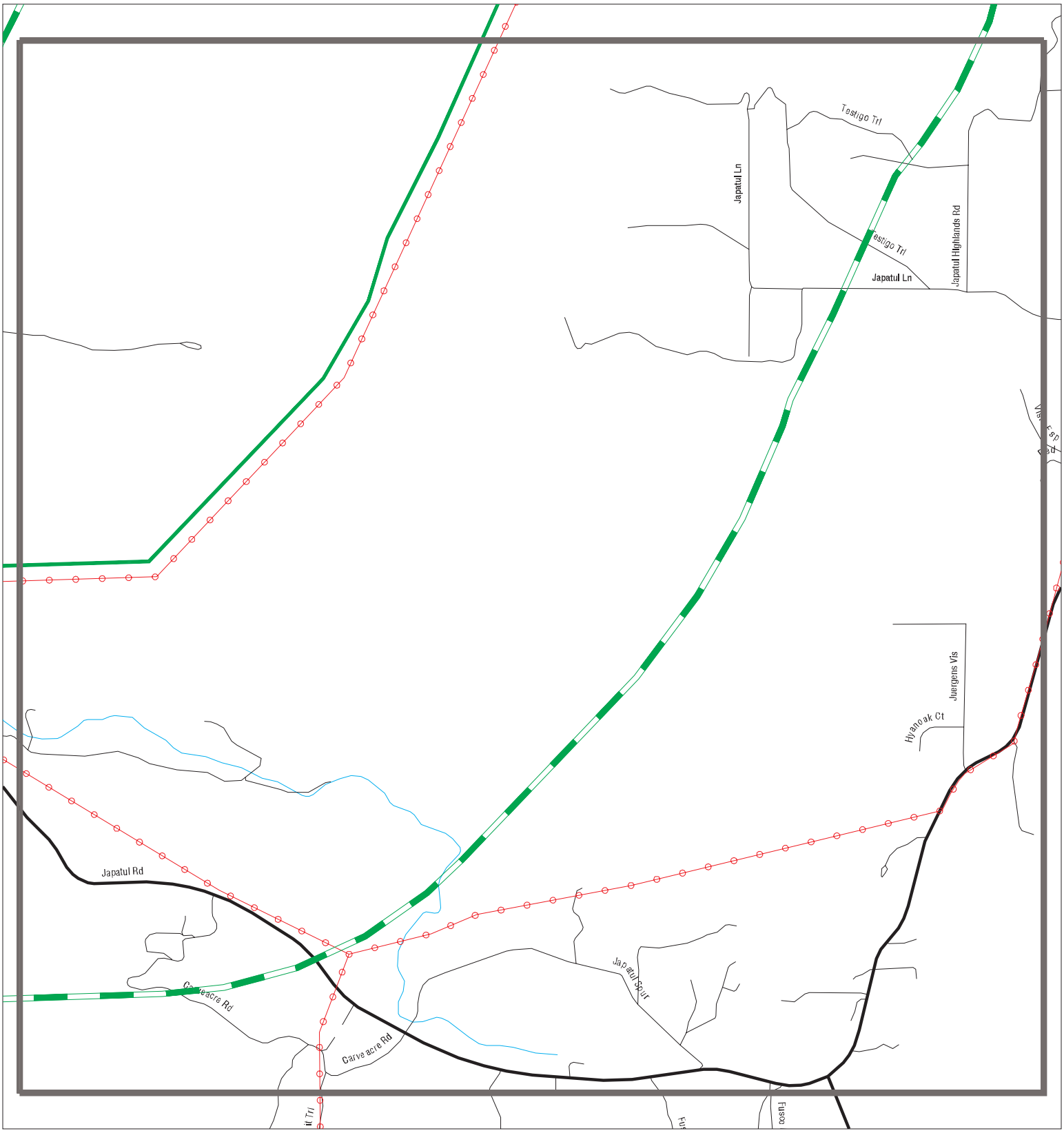
MAPPED SITES SUMMARY - FOCUS MAP 11

Target Property:
N/A
ALPINE, CA 91901

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 12 - 7999710.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Sycamore Canyon 230 Kilovolt Loop In to Suncrest Project	CLIENT: Insignia Environmental
ADDRESS: N/A	CONTACT: Julie Roshala
CITY/STATE: Alpine CA	INQUIRY #: 7999710.5s
ZIP: 91901	DATE: 05/27/25

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MAPPED SITES SUMMARY - FOCUS MAP 12

Target Property:
N/A
ALPINE, CA 91901

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

1 **REBECCA ADE** **HWTS** **S128356722**
Target Property **328 EAST MOUNTAINVIEW ST.** **N/A**
EL CAJON, CA 92021

Actual: **1611 ft.**
Focus Map: **2**

HWTS:

Name:	REBECCA ADE
Address:	328 EAST MOUNTAINVIEW ST.
Address 2:	Not reported
City,State,Zip:	EL CAJON, CA 92021
EPA ID:	CAC003144596
Inactive Date:	01/19/2022
Create Date:	10/20/2021
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	328 EAST MOUNTAINVIEW ST.
Mailing Address 2:	Not reported
Mailing City,State,Zip:	EL CAJON, CA 92021
Owner Name:	REBECCA ADE
Owner Address:	328 EAST MOUNTAINVIEW ST.
Owner Address 2:	Not reported
Owner City,State,Zip:	EL CAJON, CA 92021
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	REBECCA ADE
Contact Address:	328 EAST MOUNTAINVIEW ST.
Contact Address 2:	Not reported
City,State,Zip:	EL CAJON, CA 92021
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	32.81587957
Longitude:	-116.8601538

---

2 **KEARNEY SUBDIVISION** **NPDES** **S117703021**
Target Property **AL BAHR RD & CANYON RIM DR** **CIWQS** **N/A**
EL CAJON, CA 92021

Actual: **1527 ft.**
Focus Map: **2**

NPDES:

Name:	KEARNEY SUBDIVISION
Address:	AL BAHR RD & CANYON RIM DR
City,State,Zip:	EL CAJON, CA 92021
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37C334243
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported

KEARNEY SUBDIVISION (Continued) **S117703021**

Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	06/06/2006
Operator Name:	Thomas J & Monica S Kearney
Operator Address:	1243 Naranca Ave
Operator City:	El Cajon
Operator State:	California
Operator Zip:	92021

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	288249
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	9 37C334243
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	Not reported
Status:	Terminated
Status Date:	06/06/2006
Place Size:	13
Place Size Unit:	Acres
Contact:	Thomas Kearney
Contact Title:	Not reported
Contact Phone:	619-888-1025
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Thomas J & Monica S Kearney
Operator Address:	1243 Naranca Ave
Operator City:	El Cajon
Operator State:	California
Operator Zip:	92021
Operator Contact:	Thomas Kearney
Operator Contact Title:	Not reported
Operator Contact Phone:	619-440-7281
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Other
Developer:	Thomas J & Monica S Kearney
Developer Address:	1243 Naranca Ave
Developer City:	El Cajon
Developer State:	California
Developer Zip:	92021
Developer Contact:	Thomas Kearney

KEARNEY SUBDIVISION (Continued) **S117703021**

Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	619-888-1025
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Y
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Y
Receiving Water Name:	Sweetwater River
Certifier:	Thomas Kearney
Certifier Title:	Owner
Certification Date:	10-MAY-05
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	Kearney Subdivision
Address:	AL BAHR RD & CANYON RIM DR
City,State,Zip:	EL CAJON, CA 92021
Agency:	Thomas J & Monica S Kearney
Agency Address:	1243 Naranca Ave, El Cajon, CA 92021
Place/Project Type:	Construction - Residential
SIC/NAICS:	Not reported
Region:	9
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	9 37C334243
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	Not reported
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

A3 **JAMES WILLIAMS** **FINDS** **1027668338**
Target **445 LA CRESTA RD** **N/A**
Property **EL CAJON, CA 92021**

Site 1 of 4 in cluster A

Actual: FINDS:
1494 ft. Registry ID: 110071392091

Focus Map:
1 Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A4 **JAMES WILLIAMS** **ECHO** **1027629189**
Target **445 LA CRESTA RD** **N/A**
Property **EL CAJON, CA 92021**

Site 2 of 4 in cluster A

Actual: ECHO:
1494 ft.
Envid: 1027629189
Focus Map: Registry ID: 110071392091
1 DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110071392091
Name: JAMES WILLIAMS
Address: 445 LA CRESTA RD
City,State,Zip: EL CAJON, CA 92021

A5 **445 LA CRESTA RD** **RCRA NonGen / NLR** **1027519844**
Target **445 LA CRESTA RD** **CAC003212010**
Property **EL CAJON, CA 92021**

Site 3 of 4 in cluster A

Actual: RCRA Listings:
1494 ft.
Date Form Received by Agency: 20230111
Focus Map: Handler Name: 445 La Cresta Rd
1 Handler Address: 445 La Cresta Rd
Handler City,State,Zip: EL CAJON, CA 92021
EPA ID: CAC003212010
Contact Name: JAMES WILLIAMS
Contact Address: 445 LA CRESTA RD
Contact City,State,Zip: EL CAJON, CA 92021
Contact Telephone: 858-912-1170
Contact Fax: Not reported
Contact Email: PAT121549@YAHOO.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported

445 LA CRESTA RD (Continued) **1027519844**

Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		445 LA CRESTA RD
Mailing City,State,Zip:		EL CAJON, CA 92021
Owner Name:	James Williams	
Owner Type:		Other
Operator Name:	James Williams	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
202 GPRA Corrective Action Baseline:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20241212
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No
Sub-Part P Indicator:		No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: JAMES WILLIAMS	
Legal Status:	Other
Date Became Current:	Not reported

445 LA CRESTA RD (Continued) **1027519844**

Date Ended Current:	Not reported
Owner/Operator Address:	445 LA CRESTA RD
Owner/Operator City,State,Zip:	EL CAJON, CA 92021
Owner/Operator Telephone:	858-912-1170
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: JAMES WILLIAMS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	445 LA CRESTA RD
Owner/Operator City,State,Zip:	EL CAJON, CA 92021
Owner/Operator Telephone:	858-912-1170
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20230111
Handler Name: 445 LA CRESTA RD	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	All Other Waste Management Services

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

A6 **JAMES WILLIAMS** **HWTS** **S129477386**
Target **445 LA CREST RD.** **N/A**
Property **EL CAJON, CA 92021**

Site 4 of 4 in cluster A

Actual: **1494 ft.**

Focus Map: **1**

HWTS:

Name:	JAMES WILLIAMS
Address:	445 LA CREST RD.
Address 2:	Not reported
City,State,Zip:	EL CAJON, CA 92021

JAMES WILLIAMS (Continued) **S129477386**

EPA ID:	CAC003247338
Inactive Date:	11/15/2023
Create Date:	08/16/2023
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	445 LA CREST RD.
Mailing Address 2:	Not reported
Mailing City,State,Zip:	EL CAJON, CA 92021
Owner Name:	JAMES WILLIAMS
Owner Address:	445 LA CREST RD.
Owner Address 2:	Not reported
Owner City,State,Zip:	EL CAJON, CA 92021
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	JAMES WILLIAMS
Contact Address:	445 LA CREST RD.
Contact Address 2:	Not reported
City,State,Zip:	EL CAJON, CA 92021
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	Temporary
Category:	State
Latitude:	32.813615579999997
Longitude:	-116.87051321

Name:	JAMES WILLIAMS
Address:	445 LA CRESTA RD
Address 2:	Not reported
City,State,Zip:	EL CAJON, CA 92021
EPA ID:	CAC003212010
Inactive Date:	04/12/2023
Create Date:	01/11/2023
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	445 LA CRESTA RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	EL CAJON, CA 92021
Owner Name:	JAMES WILLIAMS
Owner Address:	445 LA CRESTA RD
Owner Address 2:	Not reported
Owner City,State,Zip:	EL CAJON, CA 92021
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	JAMES WILLIAMS
Contact Address:	445 LA CRESTA RD
Contact Address 2:	Not reported
City,State,Zip:	EL CAJON, CA 92021
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	Temporary
Category:	State
Latitude:	32.813615579999997
Longitude:	-116.87051321

B7
SSW
< 1/8
0.016 mi.
83 ft.

CREST AUTO REPAIR
128 LA CRESTA RD
EL CAJON, CA 92021

Site 1 of 7 in cluster B

San Diego Co. HMMD
CERS HAZ WASTE
CERS

S103959126
N/A

Actual:
1614 ft.

Focus Map:
2

HMMD SAN DIEGO:

Name:	CREST AUTO REPAIR
Address:	128 LA CRESTA RD
City,State,Zip:	EL CAJON, CA 92021
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	cal000013673
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	588-8703
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	05/27/2023
Facility Owner:	Not reported
Facility Mailing Address:	128 LA CRESTA RD, EL CAJON, CA 92021
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-112511
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-112511
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Status Verification
Inspection Number:	7235343
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2025-01-15T03:20:53.000
Inspection Date:	2023-05-26T00:00:00.000
Violation Code:	HMD0000 HAZARDOUS MATERIALS REQUIREMENTS

Record ID:	DEH2002-HUPFP-112511
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-112511
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Status Verification
Inspection Number:	7235343
Return To Compliance Date:	2023-05-26T00:00:00.000
Nov:	Yes
Violation Classification:	Class I
Underground Storage Tank Id:	Not reported

CREST AUTO REPAIR (Continued) **S103959126**

Container/Tank Id:	Not reported
Last Update:	2025-01-15T03:20:53.000
Inspection Date:	2023-05-26T00:00:00.000
Violation Code:	1010008 HMBP not certified as complete and accurate in CERS by the required due date. HSC 25508.2, 19 CCR 2654(b)
Record ID:	DEH2002-HUPFP-112511
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-112511
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6849582
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2025-01-15T03:20:53.000
Inspection Date:	2022-01-03T00:00:00.000
Violation Code:	HMD0001 RECORD KEEPING/OPERATIONAL REQUIREMENTS
Record ID:	DEH2002-HUPFP-112511
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-112511
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6849582
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2025-01-15T03:20:53.000
Inspection Date:	2022-01-03T00:00:00.000
Violation Code:	HMD0000 HAZARDOUS WASTE REQUIREMENTS FOR SQGS AND LQGS
Record ID:	DEH2002-HUPFP-112511
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-112511
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6849582
Return To Compliance Date:	2022-01-17T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2025-01-15T03:20:53.000
Inspection Date:	2022-01-03T00:00:00.000
Violation Code:	3010002 Failed to obtain &/or maintain an active EPA ID Number. 22 CCR 66262.12(a)
Record ID:	DEH2002-HUPFP-112511
Permit Status:	Permit Renewed

CREST AUTO REPAIR (Continued) **S103959126**

Active Permit:	Y
Facility Id Number:	37-000-112511
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5632933
Return To Compliance Date:	2017-01-04T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2025-01-15T03:20:53.000
Inspection Date:	2016-12-28T18:21:00.000
Violation Code:	3010002 Failed to obtain and/or maintain an active EPA ID. 22 CCR 66262.12

Record ID:	DEH2002-HUPFP-112511
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-112511
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5632933
Return To Compliance Date:	2016-12-29T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2025-01-15T03:20:53.000
Inspection Date:	2016-12-28T18:21:00.000
Violation Code:	HMD0149 Failed to keep disposal receipts for drained used oil filters and/or drained fuel filters for 3 years. HSC 25250.22; 22 CCR 66266.130

Record ID:	DEH2002-HUPFP-112511
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-112511
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4088931
Return To Compliance Date:	2016-12-28T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2025-01-15T03:20:53.000
Inspection Date:	2015-07-13T00:00:00.000
Violation Code:	1010001 HMBP not established/ implemented. HSC 25505(a) and 25507(a)

Record ID:	DEH2002-HUPFP-112511
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-112511
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4088931
Return To Compliance Date:	2016-12-28T00:00:00.000

CREST AUTO REPAIR (Continued) **S103959126**

Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2025-01-15T03:20:53.000
Inspection Date:	2015-07-13T00:00:00.000
Violation Code:	1010003 Business Activities and/or Business Owner/Operator Identification not completed in CERS. 19 CCR 2729.2(a)(1); HSC 25404(e)(4)

UST DTL:

Record ID:	DEH2002-HUPFP-112511
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-112511
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	JERRY DIMEGLIO
Tankid:	21581
Tank Status:	Removed
Date Ust Permanently Closed:	02/06/1989
Tank Use:	01
Piping System Type:	02
Last Updated:	2025-01-15T03:20:53.000
Tank Capacityin Gallons:	6000
Tank Contents:	02
Type Of Tank:	01

Record ID:	DEH2002-HUPFP-112511
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-112511
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	JERRY DIMEGLIO
Tankid:	21582
Tank Status:	Removed
Date Ust Permanently Closed:	02/06/1989
Tank Use:	01
Piping System Type:	02
Last Updated:	2025-01-15T03:20:53.000
Tank Capacityin Gallons:	4000
Tank Contents:	1A
Type Of Tank:	01

Record ID:	DEH2002-HUPFP-112511
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-112511
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	JERRY DIMEGLIO
Tankid:	21583
Tank Status:	Removed
Date Ust Permanently Closed:	02/06/1989
Tank Use:	04
Piping System Type:	02
Last Updated:	2025-01-15T03:20:53.000
Tank Capacityin Gallons:	500
Tank Contents:	Not reported

CREST AUTO REPAIR (Continued) **S103959126**

Type Of Tank: 01

Record ID: DEH2002-HUPFP-112511
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-112511
Facility Type (Ust Facility): Not reported
Tank Owner Name: JERRY DIMEGLIO
Tankid: 21584
Tank Status: Removed
Date Ust Permanently Closed: 02/06/1989
Tank Use: Not reported
Piping System Type: 02
Last Updated: 2025-01-15T03:20:53.000
Tank Capacityin Gallons: 1000
Tank Contents: Not reported
Type Of Tank: 01

Record ID: DEH2002-HUPFP-112511
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-112511
Facility Type (Ust Facility): Not reported
Tank Owner Name: JERRY DIMEGLIO
Tankid: 21585
Tank Status: Removed
Date Ust Permanently Closed: 02/06/1989
Tank Use: Not reported
Piping System Type: 02
Last Updated: 2025-01-15T03:20:53.000
Tank Capacityin Gallons: 1000
Tank Contents: Not reported
Type Of Tank: 01

Record ID: DEH2002-HUPFP-112511
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-112511
Facility Type (Ust Facility): Not reported
Tank Owner Name: JERRY DIMEGLIO
Tankid: 21586
Tank Status: Removed
Date Ust Permanently Closed: 02/06/1989
Tank Use: Not reported
Piping System Type: 02
Last Updated: 2025-01-15T03:20:53.000
Tank Capacityin Gallons: 1000
Tank Contents: Not reported
Type Of Tank: 01

Waste and Materials:
Record ID: DEH2002-HUPFP-112511
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125629
Trade Secret: N
Hazardous Material Type: Pure

CREST AUTO REPAIR (Continued) **S103959126**

Last Updated: 2018-10-25T10:29:57.000
Chemical Name: OXYGEN
Common Name: OXYGEN
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-112511
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125630
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T10:29:57.000
Chemical Name: Acetylene
Common Name: Acetylene
Case Number: 74-86-2

Record ID: DEH2002-HUPFP-112511
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104452
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T10:29:57.000
Chemical Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name: ANTIFREEZE
Case Number: Not reported

Record ID: DEH2002-HUPFP-112511
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104453
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T10:29:57.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: Used oil
Case Number: Not reported

Record ID: DEH2002-HUPFP-112511
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104454
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T10:29:57.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: WASTE 888 USED OIL FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-112511
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177179
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-29T02:32:44.000
Chemical Name: WASTE 342 ORGANIC LIQUIDS W/METALS

CREST AUTO REPAIR (Continued) **S103959126**

Common Name: ANTIFREEZE
Case Number: Not reported

Record ID: DEH2002-HUPFP-112511
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177180
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-29T02:32:44.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: Used oil
Case Number: Not reported

Record ID: DEH2002-HUPFP-112511
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2023-HWAST-0341013
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2023-05-27T01:42:07.000
Chemical Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name: ANTIFREEZE
Case Number: Not reported

Record ID: DEH2002-HUPFP-112511
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2023-HWAST-0341014
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2023-05-27T01:42:07.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: Used oil
Case Number: Not reported

Record ID: DEH2002-HUPFP-112511
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0233069
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-04-13T02:37:49.000
Chemical Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name: ANTIFREEZE
Case Number: Not reported

Record ID: DEH2002-HUPFP-112511
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0233070
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-04-13T02:37:49.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: Used oil
Case Number: Not reported

CREST AUTO REPAIR (Continued) **S103959126**

Record ID:	DEH2002-HUPFP-112511
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HWAST-0283991
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2023-03-28T02:31:48.000
Chemical Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name:	ANTIFREEZE
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-112511
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HWAST-0283992
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2023-03-28T02:31:48.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	Used oil
Case Number:	Not reported

Name:	CREST AUTO REPAIR
Address:	128 LA CRESTA RD
City,State,Zip:	EL CAJON, CA 92021
Permit Number:	112511
Business Type:	6HK26
EPA Id Number:	CAL000013673
APN:	509-030-81-00
Last HMMD Inspection:	06/12/2012
Facility Telephone:	588-8703
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	JERRY DIMEGLIO
Facility Mailing Address:	128 LA CRESTA RD
Facility Mailing City:	EL CAJON
Facility Mailing State:	CA
Facility Mailing Zip:	92021-3766
UST Owner:	MRS VIVIAN THURMAN
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	112511
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN
Other Information:	OXYGEN
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

CREST AUTO REPAIR (Continued) **S103959126**

Permit Number:	112511
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	112511
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	GOLDEN STATE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	112511
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	112511
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	USEAD LEAD ACID BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	112511
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

UST:

UST Name:	UNDERGROUND TANK 112511 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	112511
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	6000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1989-02-06 00:00:00
Year Installed:	Not reported

CREST AUTO REPAIR (Continued) **S103959126**

Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 112511 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	112511
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	4000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-02-06 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 112511 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	112511
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	500
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1989-02-06 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 112511 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	112511
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1989-02-06 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

CREST AUTO REPAIR (Continued) **S103959126**

UST Name:	UNDERGROUND TANK 112511 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	112511
Tank Type:	SINGLE WALL
Additional Id:	5
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1989-02-06 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 112511 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	112511
Tank Type:	SINGLE WALL
Additional Id:	6
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1989-02-06 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

CERS HAZ WASTE:

Name:	CREST AUTO REPAIR
Address:	128 LA CRESTA RD
City,State,Zip:	EL CAJON, CA 92021
Site ID:	108777
CERS ID:	10366486
CERS Description:	Hazardous Waste Generator

CERS:

Name:	CREST AUTO REPAIR
Address:	128 LA CRESTA RD
City,State,Zip:	EL CAJON, CA 92021
Site ID:	108777
CERS ID:	10366486
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	108777
Site Name:	CREST AUTO REPAIR
Violation Date:	05-26-2023
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2

CREST AUTO REPAIR (Continued) **S103959126**

Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 05/26/2023.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	108777
Site Name:	CREST AUTO REPAIR
Violation Date:	07-13-2015
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 12/28/2016. Inspection Sequence ID:4088931
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	108777
Site Name:	CREST AUTO REPAIR
Violation Date:	12-28-2016
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 01/04/2017. Inspection Sequence ID:5632933
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	108777
Site Name:	CREST AUTO REPAIR
Violation Date:	07-13-2015
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 12/28/2016. Inspection Sequence ID:4088931
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	108777
Site Name:	CREST AUTO REPAIR
Violation Date:	01-03-2022
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 01/17/2022. Inspection Sequence ID:6849582
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW

CREST AUTO REPAIR (Continued) **S103959126**

Violation Source: CERS,

Site ID: 108777
Site Name: CREST AUTO REPAIR
Violation Date: 12-28-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/29/2016. Inspection Sequence ID:5632933;Violation:HMD0149 Failed to keep disposal receipts for drained used oil filters and/or drained fuel filters for 3 years. HSC 25250.22; 22 CCR 66266.130
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 108777
Site Name: CREST AUTO REPAIR
Violation Date: 04-10-2023
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 05/26/2023.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Moreau Marie Inspection ID:6076082
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-13-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffin Donelle Inspection ID:4088931
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-28-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:5632933
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

CREST AUTO REPAIR (Continued) **S103959126**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:5632933
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-03-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Zakaria MaryAnn Inspection ID:6849582
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Moreau Marie Inspection ID:6076082
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-13-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffin Donelle Inspection ID:4088931
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-10-2023
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-03-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Zakaria MaryAnn Inspection ID:6849582
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-26-2023
Violations Found: Yes

CREST AUTO REPAIR (Continued) **S103959126**

Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Peguero Esequiel Inspection ID:7235343
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 108777
Site Name: CREST AUTO REPAIR
Site Address: 128 LA CRESTA RD
Site City: EL CAJON
Site Zip: 92021
Enf Action Date: 10-11-2023
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Fines/Penalties Assessed: $500.00.
Enf Action Division: San Diego County Department of Env Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 108777
Facility Name: CREST AUTO REPAIR
Env Int Type Code: HWG
Program ID: 10366486
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.814730
Longitude: -116.863210

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Aaron Dimeglio
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: DIMEGLIO JERRY
Entity Title: Not reported
Affiliation Address: 128 LA CRESTA RD
Affiliation City: EL CAJON
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92021
Affiliation Phone: (619) 884-7478,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego

CREST AUTO REPAIR (Continued) **S103959126**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	128 LA CRESTA RD
Affiliation City:	EL CAJON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92021-3766
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	JERRY DIMEGLIO
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 884-7478,
Affiliation Type Desc:	Parent Corporation
Entity Name:	CREST AUTO REPAIR
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	JERRY DIMEGLIO
Entity Title:	Not reported
Affiliation Address:	128 LA CRESTA RD
Affiliation City:	EL CAJON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92021
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	JERRY DIMEGLIO
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

B8 **CREST AUTO REPAIR** **RCRA NonGen / NLR** **1027090681**
SSW **128 LA CRESTA RD** **CAL000013673**
< 1/8 **EL CAJON, CA 92021**
0.016 mi.
83 ft. **Site 2 of 7 in cluster B**

Actual:
1614 ft.

Focus Map:
2

RCRA Listings:

Date Form Received by Agency:		20220209
Handler Name:		Crest Auto Repair
Handler Address:		La Cresta Rd
Handler City,State,Zip:		EL CAJON, CA 92021
EPA ID:		CAL000013673
Contact Name:		JERRY E DIMEGLIO
Contact Address:		LA CRESTA RD
Contact City,State,Zip:		EL CAJON, CA 92021
Contact Telephone:		619-588-8703
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		LA CRESTA RD
Mailing City,State,Zip:		EL CAJON, CA 92021
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Jerry Dimeglio	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
202 GPRA Corrective Action Baseline:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No

CREST AUTO REPAIR (Continued) **1027090681**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220209
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: JERRY DIMEGLIO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	128 LA CRESTA RD
Owner/Operator City,State,Zip:	EL CAJON, CA 92021
Owner/Operator Telephone:	408-588-8703
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20220209
Handler Name: CREST AUTO REPAIR	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B9
SSW
< 1/8
0.016 mi.
83 ft.

CREST AUTO REPAIR
128 LA CRESTA RD
EL CAJON, CA 92021

Site 3 of 7 in cluster B

SWEEPS UST
FINDS
ECHO

1007691081
N/A

Actual:
1614 ft.

Focus Map:
2

SWEEPS UST:

Name:	CREST AUTO REPAIR
Address:	128 LA CRESTA RD
City:	EL CAJON
Status:	Not reported
Comp Number:	12511
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012511-000001
Tank Status:	Not reported
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	6

Name:	CREST AUTO REPAIR
Address:	128 LA CRESTA RD
City:	EL CAJON
Status:	Not reported
Comp Number:	12511
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012511-000002
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	CREST AUTO REPAIR
Address:	128 LA CRESTA RD
City:	EL CAJON
Status:	Not reported
Comp Number:	12511
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012511-000003

CREST AUTO REPAIR (Continued) **1007691081**

Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: CREST AUTO REPAIR
Address: 128 LA CRESTA RD
City: EL CAJON
Status: Not reported
Comp Number: 12511
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012511-000004
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: CREST AUTO REPAIR
Address: 128 LA CRESTA RD
City: EL CAJON
Status: Not reported
Comp Number: 12511
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012511-000005
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: CREST AUTO REPAIR
Address: 128 LA CRESTA RD
City: EL CAJON
Status: Not reported
Comp Number: 12511
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported

CREST AUTO REPAIR (Continued) **1007691081**

Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012511-000006
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Name:	CREST AUTO REPAIR
Address:	128 LA CRESTA RD
City:	EL CAJON
Status:	Active
Comp Number:	12511
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

FINDS:
Registry ID: 110017956407

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Used Oil Recycling System (UORS) is managed by the California Integrated Waste Management Board (CIWMB). The CIWMB helps communities establish and promote convenient collection opportunities for used oil and used oil filters.
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

CREST AUTO REPAIR (Continued) **1007691081**

ECHO:
Envid: 1007691081
Registry ID: 110017956407
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110017956407
Name: CREST AUTO REPAIR
Address: 128 LA CRESTA RD
City,State,Zip: EL CAJON, CA 92021

B10 **PEARSON 66** **EDR Hist Auto** **1020709485**
SSW **128 LA CRESTA BLVD** **N/A**
< 1/8 **EL CAJON, CA 92021**
0.016 mi.
83 ft. **Site 4 of 7 in cluster B**

Actual: EDR Hist Auto
1614 ft.

Focus Map:
2

Year:	Name:	Type:
1971	PEARSON 66	Gasoline Service Stations
1989	CREST AUTO REPAIR	General Automotive Repair Shops
1991	CREST AUTO REPAIR	General Automotive Repair Shops
1992	CREST AUTO REPAIR	General Automotive Repair Shops
1993	CREST AUTO REPAIR	General Automotive Repair Shops
1994	CREST AUTO REPAIR	General Automotive Repair Shops
1995	CREST AUTO REPAIR	General Automotive Repair Shops
1996	CREST AUTO REPAIR	General Automotive Repair Shops
1997	CREST AUTO REPAIR	General Automotive Repair Shops
1998	CREST AUTO REPAIR	General Automotive Repair Shops
1999	CREST AUTO REPAIR	General Automotive Repair Shops
2000	CREST AUTO REPAIR	General Automotive Repair Shops
2001	CREST AUTO REPAIR	General Automotive Repair Shops
2002	D&M AUTOMOTIVE REPAIR	General Automotive Repair Shops
2002	CREST AUTO REPAIR	General Automotive Repair Shops
2003	CREST AUTO REPAIR	General Automotive Repair Shops
2004	CREST AUTO REPAIR	General Automotive Repair Shops
2005	CREST AUTO REPAIR	General Automotive Repair Shops
2006	CREST AUTO REPAIR	General Automotive Repair Shops
2007	CREST AUTO REPAIR	General Automotive Repair Shops
2008	CREST AUTO REPAIR	General Automotive Repair Shops
2009	CREST AUTO REPAIR	General Automotive Repair Shops
2010	CREST AUTO REPAIR	General Automotive Repair Shops
2011	CREST AUTO REPAIR	General Automotive Repair Shops
2012	CREST AUTO REPAIR	General Automotive Repair Shops
2013	CREST AUTO REPAIR	General Automotive Repair Shops
2014	CREST AUTO REPAIR	General Automotive Repair Shops

B11 **E&B PETROLEUM CORP** **UST** **U004368445**
SSW **1103 LA CRESTA BLVD** **N/A**
< 1/8 **EL CAJON, CA 92021**
0.023 mi.
124 ft. **Site 5 of 7 in cluster B**

Actual: UST:
1632 ft.
Name: E&B PETROLEUM CORP
Address: 1103 LA CRESTA BLVD
City,State,Zip: EL CAJON, CA 92021
Facility ID: 37-000-215822

Focus Map:
2

E&B PETROLEUM CORP (Continued) **U004368445**

Permitting Agency:	San Diego County Department of Environmental Health
CERSID:	10366912
Latitude:	32.8145600
Longitude:	-116.862240
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	E&B Petroleum Corporation
Tank owner mailing address:	1103 La Cresta Boulevard
Tank owner mailing city:	El Cajon
Tank owner mailing zip:	92021
Tank owner mailing state:	CA
Tank operator name:	E&B Petroleum Corporation
Tank operator mailing address:	1103 La Cresta Boulevard
Tank operator mailing city:	El Cajon
Tank operator mailing zip:	92021
Tank operator mailing state:	CA
Tankidnumber:	1
Tank status:	Confirmed/Updated Information
Tank configuration:	One in a Compartmented Unit
Tank closure date:	Not reported
Tank installation date:	4/8/2022 12:00:00 AM
Tank num of compartments:	2
Tank contents:	Regular Unleaded
Tank capacity gallons:	12000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	Yes
Tank ball float:	No
Tank spill bucket:	Yes

Name:	E&B PETROLEUM CORP
Address:	1103 LA CRESTA BLVD
City,State,Zip:	EL CAJON, CA 92021
Facility ID:	37-000-215822
Permitting Agency:	San Diego County Department of Environmental Health
CERSID:	10366912
Latitude:	32.8145600
Longitude:	-116.862240
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	E&B Petroleum Corporation

E&B PETROLEUM CORP (Continued) **U004368445**

Tank owner mailing address:	1103 La Cresta Boulevard
Tank owner mailing city:	El Cajon
Tank owner mailing zip:	92021
Tank owner mailing state:	CA
Tank operator name:	E&B Petroleum Corporation
Tank operator mailing address:	1103 La Cresta Boulevard
Tank operator mailing city:	El Cajon
Tank operator mailing zip:	92021
Tank operator mailing state:	CA
Tankidnumber:	2
Tank status:	Confirmed/Updated Information
Tank configuration:	One in a Compartmented Unit
Tank closure date:	Not reported
Tank installation date:	4/8/2022 12:00:00 AM
Tank num of compartments:	2
Tank contents:	12
Tank capacity gallons:	10000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	Yes
Tank ball float:	No
Tank spill bucket:	Yes

Name:	E&B PETROLEUM CORP
Address:	1103 LA CRESTA BLVD
City,State,Zip:	EL CAJON, CA 92021
Facility ID:	37-000-215822
Permitting Agency:	San Diego County Department of Environmental Health
CERSID:	10366912
Latitude:	32.8145600
Longitude:	-116.862240
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	E&B Petroleum Corporation
Tank owner mailing address:	1103 La Cresta Boulevard
Tank owner mailing city:	El Cajon
Tank owner mailing zip:	92021
Tank owner mailing state:	CA
Tank operator name:	E&B Petroleum Corporation
Tank operator mailing address:	1103 La Cresta Boulevard
Tank operator mailing city:	El Cajon
Tank operator mailing zip:	92021
Tank operator mailing state:	CA
Tankidnumber:	3
Tank status:	Confirmed/Updated Information
Tank configuration:	One in a Compartmented Unit

E&B PETROLEUM CORP (Continued) **U004368445**

Tank closure date:	Not reported
Tank installation date:	4/8/2022 12:00:00 AM
Tank num of compartments:	2
Tank contents:	Premium Unleaded
Tank capacity gallons:	8000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	Yes
Tank ball float:	No
Tank spill bucket:	Yes

Name:	E&B PETROLEUM CORP
Address:	1103 LA CRESTA BLVD
City,State,Zip:	EL CAJON, CA 92021
Facility ID:	37-000-215822
Permitting Agency:	San Diego County Department of Environmental Health
CERSID:	10366912
Latitude:	32.8145600
Longitude:	-116.862240
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	E&B Petroleum Corporation
Tank owner mailing address:	1103 La Cresta Boulevard
Tank owner mailing city:	El Cajon
Tank owner mailing zip:	92021
Tank owner mailing state:	CA
Tank operator name:	E&B Petroleum Corporation
Tank operator mailing address:	1103 La Cresta Boulevard
Tank operator mailing city:	El Cajon
Tank operator mailing zip:	92021
Tank operator mailing state:	CA
Tankidnumber:	4
Tank status:	Confirmed/Updated Information
Tank configuration:	One in a Compartmented Unit
Tank closure date:	Not reported
Tank installation date:	4/8/2022 12:00:00 AM
Tank num of compartments:	2
Tank contents:	Diesel
Tank capacity gallons:	7000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No

E&B PETROLEUM CORP (Continued) **U004368445**

Tank cp shutoff: Yes
Tank alarms: Yes
Tank ball float: No
Tank spill bucket: Yes

B12 **E&B PETROLEUM CORPORATION** **RCRA NonGen / NLR** **1027467400**
SSW **1103 LA CRESTA BLVD** **CAL000471726**
< 1/8 **EL CAJON, CA 92021**
0.023 mi.
124 ft. **Site 6 of 7 in cluster B**

Actual:
1632 ft.

Focus Map:
2

RCRA Listings:

Date Form Received by Agency:		20220701
Handler Name:		E&B Petroleum Corporation
Handler Address:		1103 La Cresta Blvd
Handler City,State,Zip:		EL CAJON, CA 92021
EPA ID:		CAL000471726
Contact Name:		KEVIN ESHO
Contact Address:		1103 LA CRESTA BLVD
Contact City,State,Zip:		EL CAJON, CA 92021
Contact Telephone:		619-726-4307
Contact Fax:		Not reported
Contact Email:		KESHO@COX.NET
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1103 LA CRESTA BLVD
Mailing City,State,Zip:		EL CAJON, CA 92021
Owner Name:	E&B Petroleum Corporation	
Owner Type:		Other
Operator Name:	Kevin Esho	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline

E&B PETROLEUM CORPORATION (Continued) **1027467400**

202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220705
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: E&B PETROLEUM CORPORATION	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1103 LA CRESTA BLVD
Owner/Operator City,State,Zip:	EL CAJON, CA 92021
Owner/Operator Telephone:	619-726-4307
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: KEVIN ESHO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1103 LA CRESTA BLVD
Owner/Operator City,State,Zip:	EL CAJON, CA 92021
Owner/Operator Telephone:	619-726-4307
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20220701
Handler Name: E&B PETROLEUM CORPORATION	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

E&B PETROLEUM CORPORATION (Continued) **1027467400**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: All Other Waste Management Services

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B13 **E&B PETROLEUM CORP** **CERS HAZ WASTE** **S129056616**
SSW **1103 LA CRESTA BLVD** **CERS TANKS** **N/A**
< 1/8 **EL CAJON, CA 92021** **HWTS**
0.023 mi. **CERS**
124 ft. **Site 7 of 7 in cluster B**

Actual:
1632 ft.

Focus Map:
2

CERS HAZ WASTE:
Name: E&B PETROLEUM CORP
Address: 1103 LA CRESTA BLVD
City,State,Zip: EL CAJON, CA 92021
Site ID: 390806
CERS ID: 10366912
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: E&B PETROLEUM CORP
Address: 1103 LA CRESTA BLVD
City,State,Zip: EL CAJON, CA 92021
Site ID: 390806
CERS ID: 10366912
CERS Description: Underground Storage Tank

HWTS:
Name: E&B PETROLEUM CORPORATION
Address: 1103 LA CRESTA BLVD
Address 2: Not reported
City,State,Zip: EL CAJON, CA 92021
EPA ID: CAL000471726
Inactive Date: 06/30/2023
Create Date: 07/01/2022
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 1103 LA CRESTA BLVD
Mailing Address 2: Not reported
Mailing City,State,Zip: EL CAJON, CA 92021
Owner Name: E&B PETROLEUM CORPORATION
Owner Address: 1103 LA CRESTA BLVD
Owner Address 2: Not reported

E&B PETROLEUM CORP (Continued) **S129056616**

Owner City,State,Zip:	EL CAJON, CA 92021
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	KEVIN ESHO
Contact Address:	1103 LA CRESTA BLVD
Contact Address 2:	Not reported
City,State,Zip:	EL CAJON, CA 92021
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	Permanent
Category:	State
Latitude:	32.814796800000003
Longitude:	-116.86250514

CERS:

Name:	E&B PETROLEUM CORP
Address:	1103 LA CRESTA BLVD
City,State,Zip:	EL CAJON, CA 92021
Site ID:	390806
CERS ID:	10366912
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	390806
Site Name:	E&B Petroleum Corp
Violation Date:	05-06-2015
Citation:	40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)
Violation Description:	Failure to post, next to the telephone, Emergency Information (SQG) containing the location of emergency equipment, contact names and numbers.
Violation Notes:	Returned to compliance on 07/02/2015. Inspection Sequence ID:4314773
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	390806
Site Name:	E&B Petroleum Corp
Violation Date:	11-30-2023
Citation:	23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description:	Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes:	Returned to compliance on 12/19/2023. Inspection Sequence ID:7311535;Tank ID:1,2,3,4;Violation Description:Failure to comply with one or more of the following: 1) Provide initial training before the individual performs the duties of a facility employee. 2) Train facility employees in the proper operation and maintenance of the underground storage tank system at least once every 12 months. 3) Have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO). 23 CCR 2715(c), 2715(c)(1), 2715(c)(2)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,

E&B PETROLEUM CORP (Continued) **S129056616**

Site ID: 390806
Site Name: E&B Petroleum Corp
Violation Date: 11-25-2024
Citation: HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes: Returned to compliance on 11/25/2024. Inspection Sequence ID:7531777;Tank ID:1,2,3,4;Violation Description:Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003. HSC 25290.1(c)(3), 25290.2(c)(3)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 390806
Site Name: E&B Petroleum Corp
Violation Date: 05-06-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 07/02/2015. Inspection Sequence ID:4314773
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 390806
Site Name: E&B Petroleum Corp
Violation Date: 05-06-2015
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 07/02/2015. Inspection Sequence ID:4314773
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 390806
Site Name: E&B Petroleum Corp
Violation Date: 10-18-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 11/03/2019. Inspection Sequence ID:6285980
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 390806
Site Name: E&B Petroleum Corp
Violation Date: 11-25-2024
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23,

E&B PETROLEUM CORP (Continued) **S129056616**

	Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Inspection Sequence ID:7531777;Tank ID:1;Violation Description:(TCR 9d) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: 1) Monitored with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch within an hour. 2) Restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	390806
Site Name:	E&B Petroleum Corp
Violation Date:	05-06-2015
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 07/02/2015. Inspection Sequence ID:4314773;Violation:HMD1005 Emergency Contact not provided or current. HSC 6.95 25505(a)3A.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	390806
Site Name:	E&B Petroleum Corp
Violation Date:	10-11-2017
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 11/13/2017.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	390806
Site Name:	E&B Petroleum Corp
Violation Date:	06-21-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 08/18/2017.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

E&B PETROLEUM CORP (Continued) **S129056616**

Site ID: 390806
Site Name: E&B Petroleum Corp
Violation Date: 11-23-2022
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 12/16/2022. Inspection Sequence ID:7077780
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 390806
Site Name: E&B Petroleum Corp
Violation Date: 06-21-2017
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 08/18/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 390806
Site Name: E&B Petroleum Corp
Violation Date: 05-06-2015
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 07/02/2015. Inspection Sequence ID:4314773
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 390806
Site Name: E&B Petroleum Corp
Violation Date: 11-30-2023
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 12/19/2023. Inspection Sequence ID:7311535;Tank ID:1;Violation Description:(TCR 9d) Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained in accordance with manufacturer's instructions. 23 CCR 2638(a), 2641(j)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 390806

E&B PETROLEUM CORP (Continued) **S129056616**

Site Name: E&B Petroleum Corp
Violation Date: 10-18-2019
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 10/25/2019. Inspection Sequence ID:6285980
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:5685498
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-18-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Moreau Marie Inspection ID:6285980
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-23-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chavarin Yvonne Inspection ID:7077780
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-06-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffin Donelle Inspection ID:4314773
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-11-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:5824222
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP

E&B PETROLEUM CORP (Continued) **S129056616**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-25-2024
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Nguyen An Inspection ID:7531777
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2023
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Nguyen An Inspection ID:7311535
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-06-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffin Donelle Inspection ID:4314773
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-23-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chavarin Yvonne Inspection ID:7077780
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-23-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chavarin Yvonne Inspection ID:7077780
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: KASAY ESHO
Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

E&B PETROLEUM CORP (Continued) **S129056616**

Affiliation Type Desc:	UST Tank Owner
Entity Name:	E&B Petroleum Corporation
Entity Title:	Not reported
Affiliation Address:	1103 La Cresta Boulevard
Affiliation City:	El Cajon
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92021
Affiliation Phone:	(619) 444-8132,

Affiliation Type Desc:	Document Preparer
Entity Name:	KASAY ESHO
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	E&B Petroleum Corporation
Entity Title:	Not reported
Affiliation Address:	1103 LA CRESTA BLVD
Affiliation City:	EL CAJON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92021
Affiliation Phone:	(619) 726-4307,

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	E&B Petroleum Corporation
Entity Title:	Not reported
Affiliation Address:	1103 La Cresta Boulevard
Affiliation City:	El Cajon
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92021
Affiliation Phone:	(619) 444-8132,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1103 LA CRESTA BLVD
Affiliation City:	EL CAJON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92021
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	KEVIN ESHO
Entity Title:	Not reported
Affiliation Address:	1905 CORONA VISTA
Affiliation City:	EL CAJON
Affiliation State:	CA
Affiliation Country:	United States

E&B PETROLEUM CORP (Continued) **S129056616**

Affiliation Zip:	92019
Affiliation Phone:	(619) 726-4307,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	E&B Petroleum Corporation
Entity Title:	Not reported
Affiliation Address:	1103 La Cresta Boulevard
Affiliation City:	El Cajon
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92021
Affiliation Phone:	(619) 444-8132,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Jesse W Kirk
Entity Title:	Not reported
Affiliation Address:	3720 Oceanic Way, Suite 205, Oceanside
Affiliation City:	Oceanside
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92056
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	KEVIN ESHO
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 726-4307,
Affiliation Type Desc:	Parent Corporation
Entity Name:	CREST FOODS LIQUOR
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

14
South
< 1/8
0.028 mi.
149 ft.

BAUTISTA ASBESTOS ENVIRONMENTAL
2056 OLD BEND RD
EL CAJON, CA 92021

RCRA NonGen / NLR

1031483577
CAL000490216

Actual:
1138 ft.

Focus Map:
1

RCRA Listings:

Date Form Received by Agency:		20241203
Handler Name:		Bautista Asbestos Environmental
Handler Address:		2056 Old Bend Rd
Handler City,State,Zip:		EL CAJON, CA 92021
EPA ID:		CAL000490216
Contact Name:		ALFONSO BAUTISTA ESPINOZA
Contact Address:		2056 OLD BEND RD
Contact City,State,Zip:		EL CAJON, CA 92021
Contact Telephone:		619-600-7481
Contact Fax:		Not reported
Contact Email:		PONCH.B@OUTLOOK.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2056 OLD BEND RD
Mailing City,State,Zip:		EL CAJON, CA 92021
Owner Name:	Alfonso Bautista Espinoza	
Owner Type:		Other
Operator Name:	Alfonso Bautista Espinoza	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
202 GPRA Corrective Action Baseline:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No

BAUTISTA ASBESTOS ENVIRONMENTAL (Continued) **1031483577**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20241207
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ALFONSO BAUTISTA ESPINOZA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2056 OLD BEND RD
Owner/Operator City,State,Zip:	EL CAJON, CA 92021
Owner/Operator Telephone:	619-600-7481
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ALFONSO BAUTISTA ESPINOZA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2056 OLD BEND RD
Owner/Operator City,State,Zip:	EL CAJON, CA 92021
Owner/Operator Telephone:	619-600-7481
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20241203
Handler Name:	BAUTISTA ASBESTOS ENVIRONMENTAL
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

BAUTISTA ASBESTOS ENVIRONMENTAL (Continued) **1031483577**

List of NAICS Codes and Descriptions:
NAICS Code: 562910
NAICS Description: Remediation Services

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C15 **CNTY OF SD DEPT OF PUBLIC WORKS-ALPINE** **UST** **U004261903**
NNE **2914 TAVERN RD** **N/A**
< 1/8 **ALPINE, CA 91901**
0.099 mi.
523 ft. **Site 1 of 9 in cluster C**

Actual:
1680 ft.

Focus Map:
4

UST:
Name: CNTY OF SD DEPT OF PUBLIC WORKS-ALPINE
Address: 2914 TAVERN RD
City,State,Zip: ALPINE, CA 91901
Facility ID: 37-000-103714
Permitting Agency: San Diego County Department of Environmental Health
CERSID: 10357342
Latitude: 32.8094200
Longitude: -116.781010
Owner type: County Agency
Facility type: Other
Num of inuse ust: 2
Num of closed ust: 0
Num of oos ust: 0
Epa region: 9
Tribal lands: No
Tank owner name: County of San Diego
Tank owner mailing address: 5560 Overland Ave. Suite 410
Tank owner mailing city: San Diego
Tank owner mailing zip: 92123
Tank owner mailing state: CA
Tank operator name: County of San Diego
Tank operator mailing address: 5560 Overland Ave. Suite 410
Tank operator mailing city: san diego
Tank operator mailing zip: 92123
Tank operator mailing state: ca
Tankidnumber: 17745
Tank status: Confirmed/Updated Information
Tank configuration: Stand Alone Tank
Tank closure date: Not reported
Tank installation date: 7/8/1998 12:00:00 AM
Tank num of compartments: 1
Tank contents: Diesel
Tank capacity gallons: 12000
Tank type: Double Wall
Tank pc construction: Steel
Tank pwpiping construction: Fiberglass
Tank piping type: Pressure
Tank piping construction: Double Walled

CNTY OF SD DEPT OF PUBLIC WORKS-ALPINE (Continued) **U004261903**

Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	Yes
Tank ball float:	No
Tank spill bucket:	Yes

Name:	CNTY OF SD DEPT OF PUBLIC WORKS-ALPINE
Address:	2914 TAVERN RD
City,State,Zip:	ALPINE, CA 91901
Facility ID:	37-000-103714
Permitting Agency:	San Diego County Department of Environmental Health
CERSID:	10357342
Latitude:	32.8094200
Longitude:	-116.781010
Owner type:	County Agency
Facility type:	Other
Num of inuse ust:	2
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	County of San Diego
Tank owner mailing address:	5560 Overland Ave. Suite 410
Tank owner mailing city:	San Diego
Tank owner mailing zip:	92123
Tank owner mailing state:	CA
Tank operator name:	County of San Diego
Tank operator mailing address:	5560 Overland Ave. Suite 410
Tank operator mailing city:	san diego
Tank operator mailing zip:	92123
Tank operator mailing state:	ca
Tankidnumber:	17744
Tank status:	Confirmed/Updated Information
Tank configuration:	Stand Alone Tank
Tank closure date:	Not reported
Tank installation date:	7/8/1998 12:00:00 AM
Tank num of compartments:	1
Tank contents:	Regular Unleaded
Tank capacity gallons:	12000
Tank type:	Double Wall
Tank pc construction:	Steel
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	Yes
Tank ball float:	No
Tank spill bucket:	Yes

C16 **CNTY OF SD DEPT OF PUBLIC WORKS-ALPINE** **UST FINDER** **1028188927**
NNE **2914 TAVERN RD** **N/A**
< 1/8 **ALPINE, CA 91901**
0.099 mi.
523 ft. **Site 2 of 9 in cluster C**

Actual:
1680 ft.

Focus Map:
4

UST FINDER:

Object ID:	733158
Facility ID:	CA10357342
Name:	CNTY OF SD DEPT OF PUBLIC WORKS-ALPINE
Address:	2914 TAVERN RD
City,State,Zip:	ALPINE, CA 91901
Address Match Type:	PointAddress
Open USTs:	2
Closed USTs:	Not reported
TOS USTs:	Not reported
Population 1500ft:	223
Private Wells 1500ft:	14
Within 100yr Floodplain:	No
Land Use:	Non-Developed
Within SPA:	Not reported
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Not reported
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Facility Status:	Open UST(s)
Date of Last Inspection:	Not reported
EPA Region:	9
Tribe:	Not reported
Coordinate Source:	Geocode
X Coord:	-116.778006003
Y Coord:	32.810549016
Latitude:	32.8105490155567
Longitude:	-116.778006002669

UST FINDER:

Object ID:	2264085
Facility ID:	CA10357342
Tank ID:	CA10357342-001_A Stand-alone Tank_1
Tank Status:	Open
Installation Date:	1998/07/08 15:59:59+00
Removal Date:	Not reported
Tank Capacity:	12000
Substances:	Regular Unleaded
Tank Wall Type:	Double Wall

Object ID:	2264086
Facility ID:	CA10357342
Tank ID:	CA10357342-002_A Stand-alone Tank_1
Tank Status:	Open
Installation Date:	1998/07/08 15:59:59+00
Removal Date:	Not reported
Tank Capacity:	12000
Substances:	Diesel
Tank Wall Type:	Double Wall

C17 **COUNTY OF SAN DIEGO/ALPINE** **LUST** **S103723427**
NNE **2914 TAVERN RD** **SAN DIEGO CO. SAM** **N/A**
< 1/8 **ALPINE, CA 91901** **San Diego Co. HMMD**
0.099 mi. **CERS HAZ WASTE**
523 ft. **Site 3 of 9 in cluster C** **SWEEPS UST**
CERS TANKS
Actual: **Cortese**
1680 ft. **CERS**

Focus Map:
4

LUST REG 9:

Region:	9
Status:	Preliminary site assessment workplan submitted
Case Number:	9UT3863
Local Case:	H03714-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	12/29/1998
Date Stopped:	12/29/1998
Confirm Date:	03/09/1999
Submit Workplan:	3/16/99
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	03/02/1999
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.33
GW Depth:	11.5
Beneficial Use:	MUNBU
NPDES Number:	Not reported
Priority:	Not reported
File Dispn:	Administratively opened on database, however no file physically exists
Interim Remedial Actions:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SAN DIEGO CO. SAM:

Name:	COUNTY OF SD/ALPINE RD STN
Address:	2914 TAVERN RD
City,State,Zip:	ALPINE, CA 919013140
Case Number:	H03714-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	7/9/2002
Date Began:	12/29/1998

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

HMMD SAN DIEGO:

Name:	CNTY OF SD DEPT OF PUBLIC WORKS-ALPINE
Address:	2914 TAVERN RD
City,State,Zip:	ALPINE, CA 91901
Permit Number:	103714
Business Type:	6HK23
EPA Id Number:	CAL000022806
APN:	520-330-01-00
Last HMMD Inspection:	10/03/2012
Facility Telephone:	619-445-2314
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	COUNTY OF SAN DIEGO - DPW
Facility Mailing Address:	5469 KEARNY VILLA RD #201
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92123-
UST Owner:	COSD-PWD
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	103714
Update Date:	11/02/2012
Case Number:	8502-42-2
Name:	ASPHALT PRODUCTS
Other Information:	COLD PATCH
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Permit Number:	103714
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	UNDERGROUND TANK 103714 T004
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	103714
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Permit Number:	103714
Update Date:	11/02/2012
Case Number:	8002-05-9

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Name: OILS, LUBRICATING
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 103714
Update Date: 11/02/2012
Case Number: Not reported
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 103714 T003
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 103714
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: BRAKE WASHER /PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103714
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 103714
Update Date: 11/02/2012
Inspection Date: 08/08/2003
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 103714
Update Date: 11/02/2012
Inspection Date: 08/08/2003
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Permit Number: 103714
Update Date: 11/02/2012
Inspection Date: 08/08/2003
Violation Code: 6HV3158
Violation: ALL OPERATING CONDITIONS NOT MET
Violation Citation: All permit operating conditions not met. 25284; 2712

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Activity: ACTIVE

Permit Number: 103714
Update Date: 11/02/2012
Inspection Date: 08/30/2005
Violation Code: 6HV3262
Violation: SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation: Secondary containment piping obstructed preventing drainage to sump. 2632
Activity: ACTIVE

Permit Number: 103714
Update Date: 11/02/2012
Inspection Date: 09/20/2007
Violation Code: 6HV3262
Violation: SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation: Secondary containment piping obstructed preventing drainage to sump. 2632
Activity: ACTIVE

Permit Number: 103714
Update Date: 11/02/2012
Inspection Date: 09/20/2007
Violation Code: 6HV3262
Violation: SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation: Secondary containment piping obstructed preventing drainage to sump. 2632
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 103714 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 103714
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1998-12-29 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 01
UST Monitor Method: SW TANK SW SUCTION PIPE W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST TRIENNIALLY

UST Name: UNDERGROUND TANK 103714 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 103714
Tank Type: SINGLE WALL
Additional Id: 2
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1998-12-29 00:00:00

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	02
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 103714 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103714
Tank Type:	DOUBLE WALL
Additional Id:	NT2077
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0 LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 103714 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103714
Tank Type:	DOUBLE WALL
Additional Id:	NT2077
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0 LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 103714 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	103714
Tank Type:	SINGLE WALL
Additional Id:	AT4290
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-12-29 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	01
UST Monitor Method:	SW TANK SW SUCTION PIPE W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST TRIENNIALLY

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

UST Name:	UNDERGROUND TANK 103714 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	103714
Tank Type:	SINGLE WALL
Additional Id:	AT4290
Capacity Gallons:	550
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-12-29 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	01
UST Monitor Method:	SW TANK SW SUCTION PIPE W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST TRIENNIALLY

Name:	CNTY OF SD DEPT OF PUBLIC WORKS-ALPINE
Address:	2914 TAVERN RD
City,State,Zip:	ALPINE, CA 91901
Permit Number:	103714
Business Type:	6HK23
EPA Id Number:	CAL000022806
APN:	520-330-01-00
Last HMMD Inspection:	10/03/2012
Facility Telephone:	619-445-2314
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	COUNTY OF SAN DIEGO - DPW
Facility Mailing Address:	5469 KEARNY VILLA RD #201
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92123-
UST Owner:	COSD-PWD
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	103714
Update Date:	11/02/2012
Case Number:	8502-42-2
Name:	ASPHALT PRODUCTS
Other Information:	COLD PATCH
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Permit Number:	103714
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	UNDERGROUND TANK 103714 T004

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 103714
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 103714
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 103714
Update Date: 11/02/2012
Case Number: Not reported
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 103714 T003
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 103714
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: BRAKE WASHER /PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103714
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 103714
Update Date: 11/02/2012
Inspection Date: 08/08/2003
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Permit Number:	103714
Update Date:	11/02/2012
Inspection Date:	08/08/2003
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE

Permit Number:	103714
Update Date:	11/02/2012
Inspection Date:	08/08/2003
Violation Code:	6HV3158
Violation:	ALL OPERATING CONDITIONS NOT MET
Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	ACTIVE

Permit Number:	103714
Update Date:	11/02/2012
Inspection Date:	08/30/2005
Violation Code:	6HV3262
Violation:	SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation:	Secondary containment piping obstructed preventing drainage to sump. 2632
Activity:	ACTIVE

Permit Number:	103714
Update Date:	11/02/2012
Inspection Date:	09/20/2007
Violation Code:	6HV3262
Violation:	SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation:	Secondary containment piping obstructed preventing drainage to sump. 2632
Activity:	ACTIVE

Permit Number:	103714
Update Date:	11/02/2012
Inspection Date:	09/20/2007
Violation Code:	6HV3262
Violation:	SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation:	Secondary containment piping obstructed preventing drainage to sump. 2632
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 103714 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103714
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-12-29 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Delivery System:	SUCTION
Monitor Code:	01
UST Monitor Method:	SW TANK SW SUCTION PIPE W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST TRIENNIALLY
UST Name:	UNDERGROUND TANK 103714 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103714
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-12-29 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	02
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 103714 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103714
Tank Type:	DOUBLE WALL
Additional Id:	NT2077
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0 LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 103714 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103714
Tank Type:	DOUBLE WALL
Additional Id:	NT2077
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0 LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 103714 T005

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Last Update:	2012-11-02 14:17:38
Permit Number:	103714
Tank Type:	SINGLE WALL
Additional Id:	AT4290
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-12-29 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	01
UST Monitor Method:	SW TANK SW SUCTION PIPE W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST TRIENNIALLY

UST Name:	UNDERGROUND TANK 103714 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	103714
Tank Type:	SINGLE WALL
Additional Id:	AT4290
Capacity Gallons:	550
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-12-29 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	01
UST Monitor Method:	SW TANK SW SUCTION PIPE W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST TRIENNIALLY

Name:	CNTY OF SD DEPT OF PUBLIC WORKS-ALPINE
Address:	2914 TAVERN RD
City,State,Zip:	ALPINE, CA 91901
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000022806
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	619-445-2314
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	08/12/2023
Facility Owner:	Not reported
Facility Mailing Address:	5560 OVERLAND AVE, SUITE 410, SAN DIEGO, CA 92123
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Y
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Generate Medical Waste: Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-103714
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103714
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5484937
Return To Compliance Date:	2016-09-02T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	17744
Container/Tank Id:	Not reported
Last Update:	2024-12-17T09:16:10.000
Inspection Date:	2016-09-02T10:51:00.000
Violation Code:	2010008 (RD) Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 A? years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems. 23 CCR 2712(b)

Record ID:	DEH2002-HUPFP-103714
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103714
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5958653
Return To Compliance Date:	2018-09-07T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	17745
Container/Tank Id:	Not reported
Last Update:	2024-12-17T09:16:10.000
Inspection Date:	2018-08-29T12:18:00.000
Violation Code:	2030036 (RP) Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity; and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 23 CCR 2635(b)(2), 2665

Record ID:	DEH2002-HUPFP-103714
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103714
Program Element:	Underground Storage Tank

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Inspection Type:	Routine
Inspection Number:	6240423
Return To Compliance Date:	2019-10-31T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	17744
Container/Tank Id:	Not reported
Last Update:	2024-12-17T09:16:10.000
Inspection Date:	2019-08-20T00:00:00.000
Violation Code:	2030036 (TCR 9b) Failure to comply with one or more of the following overfill prevention equipment requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 5. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. 6. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. 7. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. 8. Inspected within 30 days after a repair to the overfill prevention equipment. 9. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. 10. Inspected by a certified UST service technician. 11. Maintain records of overfill prevention equipment inspection for 36 months. 23 CCR 2635(c)(1), 2635(d), 2637.2(a-c), 2665, 2712(b)(1)(G)

UST DTL:

Record ID:	DEH2002-HUPFP-103714
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103714
Facility Type (Ust Facility):	Other
Tank Owner Name:	CNTY OF SD, DEPT OF PUBLIC WORKS-ALPINE ROAD STATION
Tankid:	17744
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2024-12-17T09:16:15.000
Tank Capacityin Gallons:	12000
Tank Contents:	Regular Unleaded
Type Of Tank:	Double Wall

Record ID:	DEH2002-HUPFP-103714
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103714
Facility Type (Ust Facility):	Other

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Tank Owner Name: CNTY OF SD, DEPT OF PUBLIC WORKS-ALPINE ROAD STATION
Tankid: 17745
Tank Status: Active
Date Ust Permanently Closed: Not reported
Tank Use: 1a
Piping System Type: Pressure
Last Updated: 2024-12-17T09:16:15.000
Tank Capacityin Gallons: 12000
Tank Contents: Diesel
Type Of Tank: Double Wall

Waste and Materials:
Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0338174
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2023-03-30T02:30:44.000
Chemical Name: UNLEADED GASOLINE
Common Name: UNLEADED GASOLINE
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0338175
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2023-03-30T02:30:44.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL FUEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0338176
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2023-03-30T02:30:44.000
Chemical Name: ASPHALT PRODUCTS
Common Name: ASPHALT PRODUCTS: COLD PATCH/BAG PATCH
Case Number: 8502-42-2

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0338177
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2023-03-30T02:30:44.000
Chemical Name: Biodiesel Blends
Common Name: BIODIESEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-103714

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0338178
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2023-03-30T02:30:44.000
Chemical Name: ASPHALT PRODUCTS
Common Name: CRACK SEALER
Case Number: 8052-42-4

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0305392
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2023-03-30T02:30:44.000
Chemical Name: DIESEL BITUMNAL WASTE
Common Name: DIESEL BITUMAL WASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0307796
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-05-17T02:30:33.000
Chemical Name: UNLEADED GASOLINE
Common Name: UNLEADED GASOLINE
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0307797
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-05-17T02:30:33.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL FUEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0307798
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-05-17T02:30:33.000
Chemical Name: ASPHALT PRODUCTS
Common Name: ASPHALT PRODUCTS: COLD PATCH/BAG PATCH
Case Number: 8502-42-2

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Child Record Id: DEH2021-HCHEM-0307799
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-05-17T02:30:33.000
Chemical Name: Biodiesel Blends
Common Name: BIODIESEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0307800
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-05-17T02:30:33.000
Chemical Name: ASPHALT PRODUCTS
Common Name: CRACK SEALER
Case Number: 8052-42-4

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0275457
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-17T02:30:33.000
Chemical Name: DIESEL BITUMNAL WASTE
Common Name: DIESEL BITUMAL WASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0140984
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-08-16T01:26:03.000
Chemical Name: UNLEADED GASOLINE
Common Name: UNLEADED GASOLINE
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0140985
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-08-16T01:26:03.000
Chemical Name: DIESEL FUEL-EMERGENCY GENERATOR
Common Name: DIESEL FUEL-EMERGENCY GENERATOR
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0140986
Trade Secret: N

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Hazardous Material Type: Mixture
Last Updated: 2017-08-16T01:26:03.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL FUEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0140987
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-08-16T01:26:03.000
Chemical Name: ASPHALT PRODUCTS
Common Name: ASPHALT PRODUCTS
Case Number: 8502-42-2

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0140988
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-08-16T01:26:03.000
Chemical Name: ASPHALT PRODUCTS
Common Name: CRACK SEALER
Case Number: 8052-42-4

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0140989
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-08-16T01:26:03.000
Chemical Name: Biodiesel Blends
Common Name: BIODIESEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0119559
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-08-16T01:26:03.000
Chemical Name: DIESEL BITUMNAL WASTE
Common Name: DIESEL BITUMAL WASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0158043
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-12-28T23:09:05.000

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Chemical Name: UNLEADED GASOLINE
Common Name: UNLEADED GASOLINE
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0158044
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-12-28T23:09:05.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0158045
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-12-28T23:09:05.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL FUEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0158046
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-12-28T23:09:05.000
Chemical Name: ASPHALT PRODUCTS
Common Name: ASPHALT PRODUCTS
Case Number: 8502-42-2

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0158047
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-12-28T23:09:05.000
Chemical Name: Biodiesel Blends
Common Name: BIODIESEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0158048
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-12-28T23:09:05.000
Chemical Name: ASPHALT PRODUCTS
Common Name: CRACK SEALER

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Case Number: 8052-42-4

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133684
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-12-28T23:09:05.000
Chemical Name: DIESEL BITUMNAL WASTE
Common Name: DIESEL BITUMAL WASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0183126
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-25T02:10:14.000
Chemical Name: UNLEADED GASOLINE
Common Name: UNLEADED GASOLINE
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0183127
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-25T02:10:14.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0183128
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-25T02:10:14.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL FUEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0183129
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-25T02:10:14.000
Chemical Name: ASPHALT PRODUCTS
Common Name: ASPHALT PRODUCTS: COLD PATCH/BAG PATCH
Case Number: 8502-42-2

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Record ID:	DEH2002-HUPFP-103714
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0183130
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-05-25T02:10:14.000
Chemical Name:	Biodiesel Blends
Common Name:	BIODIESEL
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-103714
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0183131
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-05-25T02:10:14.000
Chemical Name:	ASPHALT PRODUCTS
Common Name:	CRACK SEALER
Case Number:	8052-42-4

Record ID:	DEH2002-HUPFP-103714
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0157300
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-05-25T02:10:15.000
Chemical Name:	DIESEL BITUMNAL WASTE
Common Name:	DIESEL BITUMAL WASTE
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-103714
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0199976
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-04-04T02:31:54.000
Chemical Name:	UNLEADED GASOLINE
Common Name:	UNLEADED GASOLINE
Case Number:	8006-61-9

Record ID:	DEH2002-HUPFP-103714
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0199977
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-04-04T02:31:54.000
Chemical Name:	DIESEL FUEL
Common Name:	DIESEL
Case Number:	68476-34-6

Record ID:	DEH2002-HUPFP-103714
Permit Status:	Permit Renewed

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0199978
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-04-04T02:31:54.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL FUEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0199979
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-04-04T02:31:54.000
Chemical Name: ASPHALT PRODUCTS
Common Name: ASPHALT PRODUCTS: COLD PATCH/BAG PATCH
Case Number: 8502-42-2

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0199980
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-04-04T02:31:54.000
Chemical Name: Biodiesel Blends
Common Name: BIODIESEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0199981
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-04-04T02:31:54.000
Chemical Name: ASPHALT PRODUCTS
Common Name: CRACK SEALER
Case Number: 8052-42-4

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0172424
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-04T02:31:54.000
Chemical Name: DIESEL BITUMNAL WASTE
Common Name: DIESEL BITUMAL WASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0232752

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-08-18T02:19:02.000
Chemical Name: UNLEADED GASOLINE
Common Name: UNLEADED GASOLINE
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0232753
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-08-18T02:19:02.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0232754
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-08-18T02:19:02.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL FUEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0232755
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-08-18T02:19:02.000
Chemical Name: ASPHALT PRODUCTS
Common Name: ASPHALT PRODUCTS: COLD PATCH/BAG PATCH
Case Number: 8502-42-2

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0232756
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-08-18T02:19:02.000
Chemical Name: Biodiesel Blends
Common Name: BIODIESEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0232757
Trade Secret: N
Hazardous Material Type: Mixture

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Last Updated: 2020-08-18T02:19:02.000
Chemical Name: ASPHALT PRODUCTS
Common Name: CRACK SEALER
Case Number: 8052-42-4

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0202846
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-08-18T02:19:02.000
Chemical Name: DIESEL BITUMNAL WASTE
Common Name: DIESEL BITUMAL WASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0306190
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-08-12T01:39:28.000
Chemical Name: ASPHALT PRODUCTS
Common Name: CRACK SEALER
Case Number: 8052-42-4

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0306191
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-08-12T01:39:28.000
Chemical Name: Biodiesel Blends
Common Name: BIODIESEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0306192
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-08-12T01:39:28.000
Chemical Name: ASPHALT PRODUCTS
Common Name: ASPHALT PRODUCTS: COLD PATCH/BAG PATCH
Case Number: 8502-42-2

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0306193
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-08-12T01:39:28.000
Chemical Name: DIESEL FUEL

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Common Name: DIESEL FUEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0306194
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-08-12T01:39:28.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0306195
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-08-12T01:39:28.000
Chemical Name: UNLEADED GASOLINE
Common Name: UNLEADED GASOLINE
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0273952
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-08-12T01:39:28.000
Chemical Name: DIESEL BITUMNAL WASTE
Common Name: DIESEL BITUMAL WASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2023-HCHEM-0378266
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2023-08-12T02:28:03.000
Chemical Name: UNLEADED GASOLINE
Common Name: UNLEADED GASOLINE
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2023-HCHEM-0378267
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2023-08-12T02:28:03.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL FUEL
Case Number: 68476-34-6

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Record ID:	DEH2002-HUPFP-103714
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2023-HCHEM-0378268
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2023-08-12T02:28:03.000
Chemical Name:	ASPHALT PRODUCTS
Common Name:	ASPHALT PRODUCTS: COLD PATCH/BAG PATCH
Case Number:	8502-42-2

Record ID:	DEH2002-HUPFP-103714
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2023-HCHEM-0378269
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2023-08-12T02:28:03.000
Chemical Name:	ASPHALT PRODUCTS
Common Name:	CRACK SEALER
Case Number:	8052-42-4

Record ID:	DEH2002-HUPFP-103714
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0277991
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-06-15T02:30:22.000
Chemical Name:	UNLEADED GASOLINE
Common Name:	UNLEADED GASOLINE
Case Number:	8006-61-9

Record ID:	DEH2002-HUPFP-103714
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0277992
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-06-15T02:30:22.000
Chemical Name:	DIESEL FUEL
Common Name:	DIESEL
Case Number:	68476-34-6

Record ID:	DEH2002-HUPFP-103714
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0277993
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-06-15T02:30:22.000
Chemical Name:	DIESEL FUEL
Common Name:	DIESEL FUEL
Case Number:	68476-34-6

Record ID:	DEH2002-HUPFP-103714
Permit Status:	Permit Renewed

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Active Permit: Y
Child Record Id: DEH2020-HCHEM-0277994
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-06-15T02:30:22.000
Chemical Name: ASPHALT PRODUCTS
Common Name: ASPHALT PRODUCTS: COLD PATCH/BAG PATCH
Case Number: 8502-42-2

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0277995
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-06-15T02:30:22.000
Chemical Name: Biodiesel Blends
Common Name: BIODIESEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0277996
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-06-15T02:30:22.000
Chemical Name: ASPHALT PRODUCTS
Common Name: CRACK SEALER
Case Number: 8052-42-4

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0245854
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-06-15T02:30:22.000
Chemical Name: DIESEL BITUMNAL WASTE
Common Name: DIESEL BITUMAL WASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0129263
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-02-04T02:31:04.000
Chemical Name: UNLEADED GASOLINE
Common Name: UNLEADED GASOLINE
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0129264

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-02-04T02:31:04.000
Chemical Name: DIESEL FUEL-EMERGENCY GENERATOR
Common Name: DIESEL FUEL-EMERGENCY GENERATOR
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0129265
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-02-04T02:31:04.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL FUEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0129266
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-02-04T02:31:04.000
Chemical Name: ASPHALT PRODUCTS
Common Name: ASPHALT PRODUCTS
Case Number: 8502-42-2

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0129267
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-02-04T02:31:04.000
Chemical Name: ASPHALT PRODUCTS
Common Name: CRACK SEALER
Case Number: 8052-42-4

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0107733
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-02-04T02:31:05.000
Chemical Name: DIESEL BITUMNAL WASTE
Common Name: DIESEL BITUMAL WASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0187802
Trade Secret: N
Hazardous Material Type: Mixture

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Last Updated: 2018-10-25T15:11:34.000
Chemical Name: UNLEADED GASOLINE
Common Name: UNLEADED GASOLINE
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0187803
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-25T15:11:34.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0187804
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T15:11:34.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL FUEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0187805
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-25T15:11:34.000
Chemical Name: ASPHALT PRODUCTS
Common Name: ASPHALT PRODUCTS: COLD PATCH/BAG PATCH
Case Number: 8502-42-2

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0187806
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-25T15:11:34.000
Chemical Name: Biodiesel Blends
Common Name: BIODIESEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0187807
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-25T15:11:34.000
Chemical Name: ASPHALT PRODUCTS

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Common Name: CRACK SEALER
Case Number: 8052-42-4

Record ID: DEH2002-HUPFP-103714
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0162626
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T15:11:34.000
Chemical Name: DIESEL BITUMNAL WASTE
Common Name: DIESEL BITUMAL WASTE
Case Number: Not reported

CERS HAZ WASTE:
Name: CNTY OF SD DEPT OF PUBLIC WORKS-ALPINE
Address: 2914 TAVERN RD
City,State,Zip: ALPINE, CA 91901
Site ID: 20567
CERS ID: 10357342
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: COUNTY OF SD/ALPINE RD STN
Address: 2914 TAVERN RD
City: ALPINE
Status: Active
Comp Number: 3714
Number: 9
Board Of Equalization: 44-021938
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003714-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: W
Content: OTHER
Number Of Tanks: 2

Name: COUNTY OF SD/ALPINE RD STN
Address: 2914 TAVERN RD
City: ALPINE
Status: Active
Comp Number: 3714
Number: 9
Board Of Equalization: 44-021938
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003714-000002

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: W
Content: REG UNLEADED
Number Of Tanks: Not reported

CERS TANKS:
Name: CNTY OF SD DEPT OF PUBLIC WORKS-ALPINE
Address: 2914 TAVERN RD
City,State,Zip: ALPINE, CA 91901
Site ID: 20567
CERS ID: 10357342
CERS Description: Underground Storage Tank

CORTESE:
Name: COUNTY OF SD/ALPINE RD STN
Address: 2914 TAVERN RD
City,State,Zip: ALPINE, CA 919013140
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607302622
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: CNTY OF SD DEPT OF PUBLIC WORKS-ALPINE
Address: 2914 TAVERN RD
City,State,Zip: ALPINE, CA 91901
Site ID: 20567
CERS ID: 10357342
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 20567
Site Name: CNTY OF SD DEPT OF PUBLIC WORKS-ALPINE
Violation Date: 09-02-2016
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Violation Description:	Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the UST.
Violation Notes:	Returned to compliance on 09/02/2016. Inspection Sequence ID:5484937;Tank ID:17744,17745;Violation Description:(RD) Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems. 23 CCR 2712(b)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	20567
Site Name:	CNTY OF SD DEPT OF PUBLIC WORKS-ALPINE
Violation Date:	08-20-2019
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes:	Returned to compliance on 10/31/2019. Inspection Sequence ID:6240423;Tank ID:17744,17745;Violation Description:(TCR 9b) Failure to comply with one or more of the following overfill prevention equipment requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 5.

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention

Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 20567
Site Name: CNTY OF SD DEPT OF PUBLIC WORKS-ALPINE
Violation Date: 08-29-2018
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure of the overfill prevention system to meet one of the following requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes: Returned to compliance on 09/07/2018. Inspection Sequence ID:5958653;Tank ID:17745,17744;Violation Description:(RP) Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity; and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 23 CCR 2635(b)(2), 2665
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-09-2023
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:7248952
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-16-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Nguyen An Inspection ID:6987182
Eval Division: San Diego County Department of Env Health

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-30-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Herrera Zoraida Inspection ID:5711988
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-02-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Garchitorena Bobby Inspection ID:5484937
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-03-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Waara Keith Inspection ID:5127086
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-04-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kasprovich Christina Inspection ID:4941610
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kasprovich Christina Inspection ID:4314510
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kasprovich Christina Inspection ID:4314510
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Eval General Type: Other/Unknown
Eval Date: 08-12-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: "No On-site Inspection" Inspector: Quintong Sean Inspection ID:6480498
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-14-2024
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Denslow Vikki Inspection ID:7439431
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-16-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Nguyen An Inspection ID:6987182
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-20-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Delino Faith Inspection ID:6240423
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-29-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Delino Faith Inspection ID:5958653
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-02-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Garchitorena Bobby Inspection ID:5484937
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-03-2015
Violations Found: No

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Eval Type: Routine done by local agency
Eval Notes: Inspector: Waara Keith Inspection ID:5127086
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kasprovich Christina Inspection ID:4314510
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-16-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Nguyen An Inspection ID:6987182
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-03-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Waara Keith Inspection ID:5127086
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-04-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kasprovich Christina Inspection ID:4941610
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-11-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Harrison Candice Inspection ID:6707245
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-20-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Delino Faith Inspection ID:6240423
Eval Division: San Diego County Department of Env Health

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-30-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Herrera Zoraida Inspection ID:5711988
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-30-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Herrera Zoraida Inspection ID:5711988
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-04-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kasprovich Christina Inspection ID:4941610
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 20567
Facility Name: CNTY OF SD DEPT OF PUBLIC WORKS-ALPINE
Env Int Type Code: HWG
Program ID: 10357342
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.809420
Longitude: -116.781010

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Document Preparer
Entity Name: James Welker
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	CNTY OF SD DEPT OF PUBLIC WORKS
Entity Title:	Not reported
Affiliation Address:	5510 OVERLAND AVE, STE 410, RM 470
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92123
Affiliation Phone:	(858) 694-3850,
Affiliation Type Desc:	Identification Signer
Entity Name:	Roberto De La Torre
Entity Title:	DIVISION SUPERINTENDENT
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	COUNTY OF SAN DIEGO
Entity Title:	Not reported
Affiliation Address:	5510 OVERLAND AVE, STE 410, RM 470
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92123-1239
Affiliation Phone:	(858) 694-3850,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	county of san diego
Entity Title:	Not reported
Affiliation Address:	5560 Overland Ave. Suite 410
Affiliation City:	san diego
Affiliation State:	ca
Affiliation Country:	United States
Affiliation Zip:	92123
Affiliation Phone:	(858) 495-5443,
Affiliation Type Desc:	UST Tank Owner
Entity Name:	county of san diego
Entity Title:	Not reported
Affiliation Address:	5560 Overland Ave. Suite 410
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92123
Affiliation Phone:	(858) 694-2151,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Roberto De La Torre

COUNTY OF SAN DIEGO/ALPINE (Continued) **S103723427**

Entity Title:	Not reported
Affiliation Address:	11970 SINGER LN
Affiliation City:	SPRING VALLEY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91978-2207
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2914 TAVERN RD
Affiliation City:	ALPINE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91901
Affiliation Phone:	,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	GORDON MARTINEZ
Entity Title:	FMS
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 495-5443,
Affiliation Type Desc:	Operator
Entity Name:	CNTY OF SD, DEPT OF PUBLIC WORKS-ALPINE ROAD STATION
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 445-2314,
Affiliation Type Desc:	Parent Corporation
Entity Name:	DGS FLEET/DPW ROADS DIV I
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	COUNTY OF SAN DIEGO
Entity Title:	Not reported
Affiliation Address:	5560 Overland Ave. Suite 410
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92123
Affiliation Phone:	(858) 694-2151,

C18 **COUNTY OF SAN DIEGO SITE #17** **RCRA NonGen / NLR** **1024786735**
NNE **2914 TAVERN RD** **E MANIFEST** **CAL000022806**
< 1/8 **ALPINE, CA 91901**
0.099 mi.
523 ft. **Site 4 of 9 in cluster C**

Actual:
1680 ft.

Focus Map:
4

RCRA Listings:

Date Form Received by Agency:	20230421
Handler Name:	County Of San Diego Site #17
Handler Address:	Tavern Rd
Handler City,State,Zip:	ALPINE, CA 92001
EPA ID:	CAL000022806
Contact Name:	ERIC JONES
Contact Address:	5510 OVERLAND AVE STE 410
Contact City,State,Zip:	SAN DIEGO, CA 92123
Contact Telephone:	858-694-3880
Contact Fax:	Not reported
Contact Email:	ERIC.JONES2@SDCOUNTY.CA.GOV
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	OVERLAND AVE
Mailing City,State,Zip:	SAN DIEGO, CA 92123
Owner Name:	County/San Diego Dept/Public W
Owner Type:	Other
Operator Name:	County San Diego Dpw
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

COUNTY OF SAN DIEGO SITE #17 (Continued) **1024786735**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20230421
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: COUNTY SAN DIEGO DPW	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 OVERLAND AVE STE 410 RM 470
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92123-1239
Owner/Operator Telephone:	858-694-3880
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: ERIC JONES	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 OVERLAND AVE., STE 410, RM 470
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92123
Owner/Operator Telephone:	858-694-3880
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: COUNTY/SAN DIEGO DEPT/PUBLIC W	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5510 OVERLAND AVE STE 410 RM 470
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92123-1239
Owner/Operator Telephone:	858-694-3880
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: COUNTY/SAN DIEGO DEPT/PUBLIC W	
Legal Status:	Other

COUNTY OF SAN DIEGO SITE #17 (Continued) **1024786735**

Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 5510 OVERLAND AVE STE 410 RM 470
Owner/Operator City,State,Zip: SAN DIEGO, CA 92123-1239
Owner/Operator Telephone: 858-694-3880
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19900509
Handler Name: COUNTY OF SAN DIEGO SITE #17
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20230421
Handler Name: COUNTY OF SAN DIEGO SITE #17
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 23411
NAICS Description: Highway And Street Construction

NAICS Code: 921190
NAICS Description: Other General Government Support

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E MANIFEST:
Manifest Tracking Number: 026091339JJK
Last Updated Date: 20231204
Shipped Date: 20231101
Received Date: 20231114

COUNTY OF SAN DIEGO SITE #17 (Continued) **1024786735**

Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000022806
Generator Name:	County Of San Diego-Alpine-Site #17
Generator Location Street Number:	2914
Generator Location Street 1:	2914 TAVERN RD
Generator Location Street 2:	Not reported
Generator Location City:	ALPINE
Generator Location State:	CA
Generator Location Zip:	91901
Generator Mail Street Number:	5510
Generator Mail Street 1:	DPW COUNTY OF SAN DIEGO/ATT 11970 SINGER LAN
Generator Mail Street 2:	Not reported
Generator Mail City:	SPRING VALLEY
Generator Mail Zip:	91978
Generator Mail State:	CA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	CAT080013352
Designated Facility Name:	World Oil Recycling
Designated Facility Mail Street Number:	2000
Designated Facility Mail Street 1:	CA90222 CA037US 2000
Designated Facility Mail Street 2:	N. ALAMEDA STREET
Designated Facility Mail City:	COMPTON
Designated Facility Mail Zip:	90222
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	2000
Designated Facility Location Street 1:	N. ALAMEDA STREET
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	COMPTON
Designated Facility Location Zip:	90222-0000
Designated Facility Location State:	CA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	021515584JJK
Last Updated Date:	20200911
Shipped Date:	20200807
Received Date:	20200818
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000022806
Generator Name:	County Of San Diego Site #17
Generator Location Street Number:	Not reported
Generator Location Street 1:	2914 TAVERN RD
Generator Location Street 2:	Not reported
Generator Location City:	ALPINE
Generator Location State:	CA
Generator Location Zip:	91901
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	11970 Singer Lane
Generator Mail Street 2:	Not reported
Generator Mail City:	Spring Valley
Generator Mail Zip:	91978
Generator Mail State:	CA

COUNTY OF SAN DIEGO SITE #17 (Continued) **1024786735**

Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	CAT080013352
Designated Facility Name:	World Oil Recycling
Designated Facility Mail Street Number:	2000
Designated Facility Mail Street 1:	CA90222 CA037US 2000
Designated Facility Mail Street 2:	N. ALAMEDA STREET
Designated Facility Mail City:	COMPTON
Designated Facility Mail Zip:	90222
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	2000
Designated Facility Location Street 1:	N. ALAMEDA STREET
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	COMPTON
Designated Facility Location Zip:	90222-0000
Designated Facility Location State:	CA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	024402413JJK
Last Updated Date:	20221213
Shipped Date:	20221103
Received Date:	20221116
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000022806
Generator Name:	County Of San Diego Site #17
Generator Location Street Number:	Not reported
Generator Location Street 1:	2914 TAVERN RD
Generator Location Street 2:	Not reported
Generator Location City:	ALPINE
Generator Location State:	CA
Generator Location Zip:	92001-0000
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	5510 OVERLAND AVE STE 410 RM 470
Generator Mail Street 2:	Not reported
Generator Mail City:	SAN DIEGO
Generator Mail Zip:	92123-1239
Generator Mail State:	CA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	CAT080013352
Designated Facility Name:	World Oil Recycling
Designated Facility Mail Street Number:	2000
Designated Facility Mail Street 1:	CA90222 CA037US 2000
Designated Facility Mail Street 2:	N. ALAMEDA STREET
Designated Facility Mail City:	COMPTON
Designated Facility Mail Zip:	90222
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	2000
Designated Facility Location Street 1:	N. ALAMEDA STREET
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	COMPTON
Designated Facility Location Zip:	90222-0000
Designated Facility Location State:	CA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N

COUNTY OF SAN DIEGO SITE #17 (Continued) **1024786735**

Rejection Indicator:	N
Manifest Tracking Number:	023285117JJK
Last Updated Date:	20211214
Shipped Date:	20211105
Received Date:	20211117
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	CAL000022806
Generator Name:	County Of San Diego Site #17
Generator Location Street Number:	Not reported
Generator Location Street 1:	2914 TAVERN RD
Generator Location Street 2:	Not reported
Generator Location City:	ALPINE
Generator Location State:	CA
Generator Location Zip:	91901
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	11970 Singer Lane
Generator Mail Street 2:	Not reported
Generator Mail City:	Spring Valley
Generator Mail Zip:	91978
Generator Mail State:	CA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	CAT080013352
Designated Facility Name:	World Oil Recycling
Designated Facility Mail Street Number:	2000
Designated Facility Mail Street 1:	CA90222 CA037US 2000
Designated Facility Mail Street 2:	N. ALAMEDA STREET
Designated Facility Mail City:	COMPTON
Designated Facility Mail Zip:	90222
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	2000
Designated Facility Location Street 1:	N. ALAMEDA STREET
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	COMPTON
Designated Facility Location Zip:	90222-0000
Designated Facility Location State:	CA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	019142624JJK
Last Updated Date:	20190820
Shipped Date:	20190718
Received Date:	20190725
Manifest Status:	Corrected
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	CAL000022806
Generator Name:	County Of San Diego Site #17
Generator Location Street Number:	Not reported
Generator Location Street 1:	2914 TAVERN RD
Generator Location Street 2:	Not reported
Generator Location City:	ALPINE
Generator Location State:	CA
Generator Location Zip:	92001-0000

COUNTY OF SAN DIEGO SITE #17 (Continued) **1024786735**

Generator Mail Street Number:	Not reported
Generator Mail Street 1:	5510 OVERLAND AVE STE 410 RM 470
Generator Mail Street 2:	Not reported
Generator Mail City:	SAN DIEGO
Generator Mail Zip:	92123-1239
Generator Mail State:	CA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	CAD028409019
Designated Facility Name:	Crosby & Overton
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	CA90813 CA037US 1630
Designated Facility Mail Street 2:	1630 W. 17TH STREET
Designated Facility Mail City:	LONG BEACH
Designated Facility Mail Zip:	90813
Designated Facility Mail State:	CA
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	1630 W. 17TH STREET
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	LONG BEACH
Designated Facility Location Zip:	90813-0000
Designated Facility Location State:	CA
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	019142624JJK
Transporter Line Number:	1
Transporter EPA ID:	CAD983608258
Transporter Name:	Ocean Blue Environmental Services Inc

Waste Line:

Manifest Tracking Number:	019142624JJK
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	N
U.S. DOT ID Number:	Not reported
U.S. DOT Description:	Not reported
Non-Hazardous Waste Description:	Non Rcra Hazardous Waste Solid
Number of Containers:	3
Container Type Code:	DM
Container Type Description:	Metal drums, barrels, kegs
Waste Quantity:	1000
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.5
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.5
Waste Quantity, in Kilograms:	453.515
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	453.515
Management Method Code:	H141
Management Method Description:	STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported

COUNTY OF SAN DIEGO SITE #17 (Continued) **1024786735**

Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	N
Federal Waste Codes:	Not reported
Quantity Haz Kg:	0
Quantity Haz Tons:	0
Quantity Non Haz Kg:	453.515
Quantity Non Haz Tons:	0.5
State Waste Codes:	CA-223

Manifest Tracking Number:	019142624JJK
Waste Line Number:	2
U.S. DOT Hazardous Indicator:	N
U.S. DOT ID Number:	Not reported
U.S. DOT Description:	Not reported
Non-Hazardous Waste Description:	Non Rcra Hazardous Waste Liquid
Number of Containers:	1
Container Type Code:	DM
Container Type Description:	Metal drums, barrels, kegs
Waste Quantity:	55
Quantity Unit of Measure Code:	G
Quantity Unit of Measure Description:	Gallons
Waste Quantity, in Tons:	0.2293578
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.2293578
Waste Quantity, in Kilograms:	208.03441
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	208.03441
Management Method Code:	H141
Management Method Description:	STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported
Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	N
Federal Waste Codes:	Not reported
Quantity Haz Kg:	0
Quantity Haz Tons:	0
Quantity Non Haz Kg:	208.03441
Quantity Non Haz Tons:	0.2293578
State Waste Codes:	CA-221

C19 **COUNTY OF SD/ALPINE RD STN** **UST FINDER RELEASE** **1028941552**
NNE **2914 TAVERN RD** **N/A**
< 1/8 **ALPINE, CA 91901**
0.099 mi.
523 ft. **Site 5 of 9 in cluster C**

Actual: **1680 ft.**
Focus Map: 4

UST FINDER RELEASE:

Object ID:	74275
Facility ID:	Not reported
Lust ID:	CAT0607302622
Name:	COUNTY OF SD/ALPINE RD STN
Address:	2914 TAVERN RD
City,State,Zip:	ALPINE, CA 919013140
Address Match Type:	PointAddress
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	201
Domestic Wells within 1500ft:	13
Land Use:	Developed, Open Space
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Within 100yr Floodplain:	No
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-116.78033
Y Coord:	32.8091600000001
Latitude:	32.8091599999999
Longitude:	-116.78033

C20 **COUNTY OF SAN DIEGO/ALPIN** **LUST** **S103958873**
NNE **2914 TAVERN** **HIST CORTESE** **N/A**
< 1/8 **ALPINE, CA 91901** **SAN DIEGO CO LOP**
0.099 mi. **CERS**
523 ft. **Site 6 of 9 in cluster C**

Actual: **1680 ft.**
Focus Map: 4

LUST:

Name:	COUNTY OF SD/ALPINE RD STN
Address:	2914 TAVERN RD
City,State,Zip:	ALPINE, CA 919013140
Lead Agency:	SAN DIEGO COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302622
Global Id:	T0607302622
Latitude:	32.8138258
Longitude:	-116.77711

COUNTY OF SAN DIEGO/ALPIN (Continued) **S103958873**

Status:	Completed - Case Closed
Status Date:	07/09/2002
Case Worker:	KH
RB Case Number:	9UT3863
Local Agency:	SAN DIEGO COUNTY
File Location:	Local Agency
Local Case Number:	H03714-001
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Diesel
EPA Region:	9
Coordinate Source:	Google Geocode
Quantity Released Gallons:	Not reported
Begin Date:	12/29/1998
Leak Reported Date:	03/02/1999
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	07/09/2002
CA Water Watershed Name:	Sweetwater - Middle Sweetwater - Alpine Heights (909.26)
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	6-10%
CA Enviroscreen 4 Score:	1-5% (lowest scores)
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SAN DIEGO RWQCB (REGION 9)
Claim Number:	14652
Claim Status:	Active
Site History:	Not reported

LUST:

Global Id:	T0607302622
Contact Type:	Local Agency Caseworker - Primary Caseworker
Contact Name:	KEVIN HEATON
Organization Name:	SAN DIEGO COUNTY
Address:	P.O. Box 129261
City:	San Diego
Email:	kevin.heaton@sdcounty.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0607302622
Action Type:	Other
Date:	12/29/1998
Action:	Leak Discovery

Global Id:	T0607302622
Action Type:	Other
Date:	12/29/1998
Action:	Leak Began

Global Id:	T0607302622
Action Type:	ENFORCEMENT
Date:	03/16/1999

COUNTY OF SAN DIEGO/ALPIN (Continued) **S103958873**

Action: Notice of Responsibility

Global Id: T0607302622
Action Type: Other
Date: 03/02/1999
Action: Leak Reported

Global Id: T0607302622
Action Type: ENFORCEMENT
Date: 07/09/2002
Action: Closure/No Further Action Letter

Global Id: T0607302622
Action Type: Other
Date: 12/29/1998
Action: Leak Stopped

LUST:
Global Id: T0607302622
Status: Open - Case Begin Date
Status Date: 12/29/1998

Global Id: T0607302622
Status: Completed - Case Closed
Status Date: 07/09/2002

HIST CORTESE:
edr_fname: COUNTY OF SAN DIEGO/ALPIN
edr_fadd1: 2914 TAVERN
City,State,Zip: ALPINE, CA 91901
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3863

SAN DIEGO CO LOP:
Name: COUNTY OF SD/ALPINE RD STN
Address: 2914 TAVERN RD
City,State,Zip: ALPINE, CA 91901
Record ID: DEH1999-LSAM-H03714-001
Record Status: Completed
Opened Date: 03/02/1999
Parcel Number: 520-330-01-00
Case Type: LOP - Local Oversight Program
Historical Name: COUNTY OF SAN DIEGO-ALPINE RS
SWRCB Global ID: T0607302622
Funding: F - LOP Federal Fund
Lead Agency: DEH/SAM
Lead Agency Date: 03/09/1999
Census Tract: 212.04
Community: Alpine
Jurisdiction: UNINCORPORATED
Watershed Basin Number: 909.26
Water Purveyor: PADRE DAM MUNICIPAL WATER DISTRICT
Fire Agency: ALPINE FIRE PROT DIST

COUNTY OF SAN DIEGO/ALPIN (Continued) **S103958873**

Latitude: 32.8105613
Longitude: -116.7782738
X MapCoord: 6399351.748
Y MapCoord: 1875111.376

CERS:
Name: COUNTY OF SD/ALPINE RD STN
Address: 2914 TAVERN RD
City,State,Zip: ALPINE, CA 919013140
Site ID: 862333
CERS ID: T0607302622
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: KEVIN HEATON - SAN DIEGO COUNTY
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

C21 **COUNTY OF SAN DIEGO DPW ALPINE ROAD STATION** **RCRA NonGen / NLR** **1025881231**
NNE **2910 TAVERN RD** **CAP000222703**
< 1/8 **ALPINE, CA 91901**
0.099 mi.
523 ft. **Site 7 of 9 in cluster C**

Actual:
1679 ft.

Focus Map:
4

RCRA Listings:
Date Form Received by Agency: 20120213
Handler Name: County Of San Diego Dpw Alpine Road Station
Handler Address: 2910 Tavern Rd
Handler City,State,Zip: ALPINE, CA 91901
EPA ID: CAP000222703
Contact Name: ERIC JONES
Contact Address: 5469 KEARNY VILLA RD
Contact City,State,Zip: SAN DIEGO, CA 92123
Contact Telephone: 858-874-4029
Contact Fax: 858-874-4028
Contact Email: ERIC.JONES2@SDCOUNTY.CA.GOV
Contact Title: DPW PREVENTATIVE MNTE COORD
EPA Region: 09
Land Type: County
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 5469 KEARNY VILLA RD
Mailing City,State,Zip: SAN DIEGO, CA 92123
Owner Name: County Of San Diego
Owner Type: County
Operator Name: County Of San Diego Dpw

COUNTY OF SAN DIEGO DPW ALPINE ROAD STATION (Continued) **1025881231**

Operator Type:	County
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20130828
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D008
Waste Description:	Lead

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: COUNTY OF SAN DIEGO	
Legal Status:	County
Date Became Current:	19650601
Date Ended Current:	Not reported
Owner/Operator Address:	5469 KEARNY VILLA RD
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92123
Owner/Operator Telephone:	858-874-4029

COUNTY OF SAN DIEGO DPW ALPINE ROAD STATION (Continued) **1025881231**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: COUNTY OF SAN DIEGO DPW
Legal Status: County
Date Became Current: 19650601
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: COUNTY OF SAN DIEGO DPW
Legal Status: County
Date Became Current: 19650601
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: COUNTY OF SAN DIEGO
Legal Status: County
Date Became Current: 19650601
Date Ended Current: Not reported
Owner/Operator Address: 5469 KEARNY VILLA RD
Owner/Operator City,State,Zip: SAN DIEGO, CA 92123
Owner/Operator Telephone: 858-874-4029
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20120213
Handler Name: COUNTY OF SAN DIEGO DPW ALPINE ROAD STATION
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20111110
Handler Name: COUNTY OF SAN DIEGO DPW ALPINE ROAD STATION
Federal Waste Generator Description: Large Quantity Generator

COUNTY OF SAN DIEGO DPW ALPINE ROAD STATION (Continued) **1025881231**

State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	48849
NAICS Description:	Other Support Activities For Road Transportation

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

C22 **ALPINE ROAD STATION** **HIST UST** **U001570885**
NNE **2910 TAVERN RD** **EMI** **N/A**
< 1/8 **ALPINE, CA 92001**
0.099 mi.
523 ft. **Site 8 of 9 in cluster C**

Actual:
1679 ft.

Focus Map:
4

HIST UST:

Name:	ALPINE ROAD STATION
Address:	2910 TAVERN RD
City,State,Zip:	ALPINE, CA 92001
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000044152
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	DON UBBEN
Telephone:	6195655251
Owner Name:	COUNTY OF SAN DIEGO - DEPARTME
Owner Address:	5555 OVERLAND AVE. BLDG 6 RM 1
Owner City,St,Zip:	SAN DIEGO, CA 92123
Total Tanks:	0002
Tank Num:	001
Container Num:	PWO 69
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	PWO 70
Year Installed:	1974

ALPINE ROAD STATION (Continued) **U001570885**

Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

EMI:

Name:	SD CO GEN SVCS FACILITY OPS PR3003
Address:	2910 TAVERN RD
City,State,Zip:	ALPINE, CA 91901
Year:	2022
County Code:	37
Air Basin:	SD
Facility ID:	200304885
Air District Name:	SD
SIC Code:	9199
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.000275746
Reactive Organic Gases Tons/Yr:	0.000242242861
Carbon Monoxide Emissions Tons/Yr:	0.000609242
NOX - Oxides of Nitrogen Tons/Yr:	0.002828124
SOX - Oxides of Sulphur Tons/Yr:	9.97e-007
Particulate Matter Tons/Yr:	0.000198806
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000198806

Name:	SD CO GEN SVCS FACILITY OPS PR3003
Address:	2910 TAVERN RD
City,State,Zip:	ALPINE, CA 91901
Year:	2023
County Code:	37
Air Basin:	SD
Facility ID:	200304885
Air District Name:	SD
SIC Code:	9199
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.000275746
Reactive Organic Gases Tons/Yr:	0.000243781
Carbon Monoxide Emissions Tons/Yr:	0.000609242
NOX - Oxides of Nitrogen Tons/Yr:	0.002828124
SOX - Oxides of Sulphur Tons/Yr:	9.97e-07
Particulate Matter Tons/Yr:	0.000198806
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000198806

C23 **ALPINE ROAD STATION** **HIST UST** **S113171833**
NNE **2910 TAVERN ROAD** **HWTS** **N/A**
< 1/8 **ALPINE, CA 92001** **HAZNET**
0.099 mi.
523 ft. **Site 9 of 9 in cluster C**

Actual:
1679 ft.

Focus Map:
4

HIST UST:

Name:	ALPINE ROAD STATION
Address:	2910 TAVERN ROAD
City,State,Zip:	ALPINE, CA 92001

ALPINE ROAD STATION (Continued) **S113171833**

File Number:	0002b049
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002b049.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

HWTS:

Name:	COUNTY OF SAN DIEGO DPW ALPINE ROAD STATION
Address:	2910 TAVERN RD
Address 2:	Not reported
City,State,Zip:	ALPINE, CA 91901
EPA ID:	CAP000222703
Inactive Date:	09/23/2012
Create Date:	03/26/2012
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	5469 KEARNY VILLA RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN DIEGO, CA 92123
Owner Name:	COUNTY OF SAN DIEGO DPW
Owner Address:	5469 KEARNY VILLA RD
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN DIEGO, CA 92123
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	ERIC JONES
Contact Address:	5469 KEARNY VILLA RD
Contact Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 92123
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	32.810255
Longitude:	-116.779672

NAICS:

EPA ID:	CAP000222703

ALPINE ROAD STATION (Continued) **S113171833**

Create Date:	2012-03-26 11:32:29.290
NAICS Code:	48849
NAICS Description:	Other Support Activities for Road Transportation
Issued EPA ID Date:	2012-03-26 11:32:29.18000
Inactive Date:	2012-09-23 11:32:29.17700
Facility Name:	COUNTY OF SAN DIEGO DPW ALPINE ROAD STATION
Facility Address:	2910 TAVERN RD
Facility Address 2:	Not reported
Facility City:	ALPINE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	91901

HAZNET:

Name:	COUNTY OF SAN DIEGO DPW ALPINE ROAD STATION
Address:	2910 TAVERN RD
Address 2:	Not reported
City,State,Zip:	ALPINE, CA 91901
Contact:	ERIC JONES
Telephone:	8588744029
Mailing Name:	Not reported
Mailing Address:	5469 KEARNY VILLA RD
Year:	2011
Gepaid:	CAP000222703
TSD EPA ID:	CAD028409019
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.07

Additional Information:

Year:	2011
Gen EPA ID:	CAP000222703
Shipment Date:	20111218
Creation Date:	3/16/2012 20:30:29
Receipt Date:	20111227
Manifest ID:	007822408JJK
Trans EPA ID:	CAL000190758
Trans Name:	JANUS CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.07
Waste Quantity:	140
Quantity Unit:	P

ALPINE ROAD STATION (Continued) **S113171833**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

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24 **UNNAMED SILLIMANITE OCCURRENCE** **MINES MRDS** **1025713742**
NNE **N/A**
1/8-1/4 **SAN DIEGO (County), CA**
0.132 mi.
698 ft.

Actual:
1804 ft.

Focus Map:
3

MINES MRDS:

Name:	UNNAMED SILLIMANITE OCCURRENCE
Address:	Not reported
Deposit identification Number:	10237948
City,State,Zip:	CALIFORNIA
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10237948
MRDS Identification Number:	Not reported
MAS/MILS Identification Number:	60730092
Region:	NA
Country:	United States
Primary Commodities:	Kyanite
Secondary Commodities:	Not reported
Tertiary Commodities:	Not reported
Operation Type:	Unknown
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Occurrence
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Not reported
Ore Controls:	Not reported
Reporter:	Not reported
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	32.80926
Longitude:	-116.78915
Object ID:	232038

UNNAMED SILLIMANITE OCCURRENCE (Continued) **1025713742**

Score: Not reported

D25 **RED ROSE QUARRY** **MINES MRDS** **1025624011**
NNE **N/A**
1/8-1/4 **SAN DIEGO (County), CA**
0.157 mi.
830 ft. **Site 1 of 2 in cluster D**

Actual:
1548 ft.

Focus Map:
2

MINES MRDS:

Name:	RED ROSE QUARRY
Address:	Not reported
Deposit identification Number:	10140747
City,State,Zip:	CALIFORNIA
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10140747
MRDS Identification Number:	W024765
MAS/MILS Identification Number:	60730024
Region:	NA
Country:	United States
Primary Commodities:	Stone, Dimension
Secondary Commodities:	Not reported
Tertiary Commodities:	Not reported
Operation Type:	Surface
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Past Producer
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Not reported
Ore Controls:	Not reported
Reporter:	Not reported
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	32.81726
Longitude:	-116.85415
Object ID:	137134
Score:	Not reported

D26 **RED ROSE QUARRY** **MINES MRDS** **1025596280**
NNE **N/A**
1/8-1/4 **SAN DIEGO (County), CA**
0.158 mi.
834 ft. **Site 2 of 2 in cluster D**

Actual:
1549 ft.

Focus Map:
2

MINES MRDS:

Name:	RED ROSE QUARRY
Address:	Not reported
Deposit identification Number:	10110946
City,State,Zip:	CALIFORNIA
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10110946
MRDS Identification Number:	W024765
MAS/MILS Identification Number:	Not reported
Region:	NA
Country:	United States
Primary Commodities:	Quartz
Secondary Commodities:	Not reported
Tertiary Commodities:	Not reported
Operation Type:	Unknown
Deposit Type:	Not reported
Production Size:	Y - Yes, production has occurred
Development Status:	Producer
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Not reported
Ore Controls:	Not reported
Reporter:	Not reported
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	32.81728
Longitude:	-116.85418
Object ID:	108019
Score:	Not reported

27 North 1/8-1/4 0.171 mi. 904 ft. | **P&M CHEMICAL WASTE TRANSPORT**
860 RENFRO WAY
EL CAJON, CA 92021

RCRA NonGen / NLR | **1000106845**
FINDS | **CAD980695266**
ECHO

Actual: 860 ft.

Focus Map: 2

RCRA Listings:

Date Form Received by Agency:		19821109
Handler Name:		P&M Chemical Waste Transport
Handler Address:		Renfro Way
Handler City,State,Zip:		EL CAJON, CA 92021
EPA ID:		CAD980695266
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		860 RENFRO WAY
Contact City,State,Zip:		EL CAJON, CA 92021
Contact Telephone:		619-445-5842
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Ca
State District:		4
Mailing Address:		RENFRO WAY
Mailing City,State,Zip:		EL CAJON, CA 92021
Owner Name:	Philip Slimko	
Owner Type:		Private
Operator Name:	Not Required	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		Yes
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
202 GPRA Corrective Action Baseline:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No

P&M CHEMICAL WASTE TRANSPORT (Continued) **1000106845**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: PHILIP SLIMKO	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19821109
Handler Name: P&M CHEMICAL WASTE TRANSPORT	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Ca
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

P&M CHEMICAL WASTE TRANSPORT (Continued) **1000106845**

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002670734

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000106845
Registry ID:	110002670734
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002670734
Name:	P&M CHEMICAL WASTE TRANSPORT
Address:	860 RENFRO WAY
City,State,Zip:	EL CAJON, CA 92021

---

28 SSW 1/8-1/4 0.174 mi. 921 ft.

Actual: 1377 ft.

Focus Map: 4

DEHESA DUMORTIERITE DEPOSIT **MINES MRDS** **1025602050 N/A**

SAN DIEGO (County), CA

MINES MRDS:

Name:	DEHESA DUMORTIERITE DEPOSIT
Address:	Not reported
Deposit identification Number:	10116858
City,State,Zip:	CALIFORNIA
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10116858
MRDS Identification Number:	Not reported
MAS/MILS Identification Number:	60730093
Region:	NA
Country:	United States
Primary Commodities:	Kyanite
Secondary Commodities:	Not reported
Tertiary Commodities:	Not reported
Operation Type:	Surface-Underground
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Prospect

DEHESA DUMORTIERITE DEPOSIT (Continued) **1025602050**

Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Not reported
Ore Controls:	Not reported
Reporter:	Not reported
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	32.80196
Longitude:	-116.78055
Object ID:	113854
Score:	Not reported

---

29 **TRACY STIELAY** **RCRA NonGen / NLR** **1024745743**
SSE **150 ALAMO WAY** **CAC002965514**
1/8-1/4 **EL CAJON, CA 92021**
0.201 mi.
1062 ft.

Actual:
1591 ft.

Focus Map:
2

RCRA Listings:

Date Form Received by Agency:	20180608
Handler Name:	Tracy Stielay
Handler Address:	150 Alamo Way
Handler City,State,Zip:	EL CAJON, CA 92021
EPA ID:	CAC002965514
Contact Name:	TRACY STIELAY
Contact Address:	150 ALAMO WAY
Contact City,State,Zip:	EL CAJON, CA 92021
Contact Telephone:	619-994-9111
Contact Fax:	Not reported
Contact Email:	CINDYEDWARDS@ALLIANCE-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported

TRACY STIELAY (Continued) **1024745743**

State District:		Not reported
Mailing Address:		150 ALAMO WAY
Mailing City,State,Zip:		EL CAJON, CA 92021
Owner Name:	Tracy Stielay	
Owner Type:		Other
Operator Name:	Tracy Stielay	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
202 GPRA Corrective Action Baseline:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20180831
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No
Sub-Part P Indicator:		No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: TRACY STIELAY	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	150 ALAMO WAY
Owner/Operator City,State,Zip:	EL CAJON, CA 92021

TRACY STIELAY (Continued) **1024745743**

Owner/Operator Telephone: 619-994-9111
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TRACY STIELAY
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 150 ALAMO WAY
Owner/Operator City,State,Zip: EL CAJON, CA 92021
Owner/Operator Telephone: 619-994-9111
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20180608
Handler Name: TRACY STIELAY
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: All Other Waste Management Services

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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30 South 1/8-1/4 0.202 mi. 1069 ft.

PAUL HARDING COMMUNITY OF CHRIST MISSION CENTER
115 CANYON VIEW DRIVE
EL CAJON, CA 92020

RCRA NonGen / NLR **1027090194** **CAC003162695**

Actual: 1637 ft.

Focus Map: 2

RCRA Listings:
Date Form Received by Agency: 20220218
Handler Name: Paul Harding Community Of Christ Mission Center
Handler Address: 115 Canyon View Drive
Handler City,State,Zip: EL CAJON, CA 92020
EPA ID: CAC003162695
Contact Name: CHERYL DAILY
Contact Address: 1915 RANCHO WINCHESTER LANE

PAUL HARDING COMMUNITY OF CHRIST MISSION CENTER (Continued) **1027090194**

Contact City,State,Zip:		EL CAJON, CA 92019
Contact Telephone:		619-857-0503
Contact Fax:		Not reported
Contact Email:		CHERYLD1915@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1111 W 14TH STREET
Mailing City,State,Zip:		UPLAND, CA 91786
Owner Name:	Paul Harding	
Owner Type:		Other
Operator Name:	Cheryl Daily	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
202 GPRA Corrective Action Baseline:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20220223
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No

PAUL HARDING COMMUNITY OF CHRIST MISSION CENTER (Continued) **1027090194**

Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: CHERYL DAILY
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1915 RANCHO WINCHESTER LANE
Owner/Operator City,State,Zip: EL CAJON, CA 92019
Owner/Operator Telephone: 619-857-0503
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: PAUL HARDING
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1111 W 14TH STREET
Owner/Operator City,State,Zip: UPLAND, CA 91786
Owner/Operator Telephone: 619-857-0503
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20220218
Handler Name: PAUL HARDING COMMUNITY OF CHRIST MISSION CENTER
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: All Other Waste Management Services

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

31
SSE
1/8-1/4
0.246 mi.
1298 ft.

KENNETH BLAND
229 ALAMO WAY
EL CAJON, CA 92021

RCRA NonGen / NLR
E MANIFEST

1025850617
CAC003030716

Actual:
1562 ft.

Focus Map:
2

RCRA Listings:

Date Form Received by Agency:		20190823
Handler Name:		Kenneth Bland
Handler Address:		229 Alamo Way
Handler City,State,Zip:		EL CAJON, CA 92021
EPA ID:		CAC003030716
Contact Name:		KENNETH BLAND
Contact Address:		229 ALAMO WAY
Contact City,State,Zip:		EL CAJON, CA 92021
Contact Telephone:		619-315-1978
Contact Fax:		Not reported
Contact Email:		CINDYEDWARDS@ALLIANCE-ENVIRO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		229 ALAMO WAY
Mailing City,State,Zip:		EL CAJON, CA 92021
Owner Name:	Kenneth Bland	
Owner Type:		Other
Operator Name:	Kenneth Bland	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
202 GPRA Corrective Action Baseline:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No

KENNETH BLAND (Continued) **1025850617**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190910
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: KENNETH BLAND	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	229 ALAMO WAY
Owner/Operator City,State,Zip:	EL CAJON, CA 92021
Owner/Operator Telephone:	619-315-1978
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: KENNETH BLAND	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	229 ALAMO WAY
Owner/Operator City,State,Zip:	EL CAJON, CA 92021
Owner/Operator Telephone:	619-315-1978
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190823
Handler Name: KENNETH BLAND	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

KENNETH BLAND (Continued) **1025850617**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: All Other Waste Management Services

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E MANIFEST:

Manifest Tracking Number:	019648957JJK
Last Updated Date:	20191129
Shipped Date:	20190830
Received Date:	20190912
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	CAC003030716
Generator Name:	Kenneth Bland
Generator Location Street Number:	Not reported
Generator Location Street 1:	229 ALAMO WAY
Generator Location Street 2:	Not reported
Generator Location City:	EL CAJON
Generator Location State:	CA
Generator Location Zip:	92021
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	229 ALAMO WAY
Generator Mail Street 2:	Not reported
Generator Mail City:	EL CAJON
Generator Mail Zip:	92021
Generator Mail State:	CA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	AZR000520882
Designated Facility Name:	La Paz County Regional Landfill
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	MILE POST 128
Designated Facility Mail Street 2:	26999 HIGHWAY 95
Designated Facility Mail City:	PARKER
Designated Facility Mail Zip:	85344
Designated Facility Mail State:	AZ
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	26999 HIGHWAY 95
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	PARKER
Designated Facility Location Zip:	85344
Designated Facility Location State:	AZ
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	019648957JJK
Last Updated Date:	20191129
Shipped Date:	20190830

KENNETH BLAND (Continued) **1025850617**

Received Date:	20190912
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Web
Generator EPA ID:	CAC003030716
Generator Name:	Kenneth Bland
Generator Location Street Number:	Not reported
Generator Location Street 1:	229 ALAMO WAY
Generator Location Street 2:	Not reported
Generator Location City:	EL CAJON
Generator Location State:	CA
Generator Location Zip:	92021
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	229 ALAMO WAY
Generator Mail Street 2:	Not reported
Generator Mail City:	EL CAJON
Generator Mail Zip:	92021
Generator Mail State:	CA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	AZR000520882
Designated Facility Name:	La Paz County Regional Landfill
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	MILE POST 128
Designated Facility Mail Street 2:	26999 HIGHWAY 95
Designated Facility Mail City:	PARKER
Designated Facility Mail Zip:	85344
Designated Facility Mail State:	AZ
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	26999 HIGHWAY 95
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	PARKER
Designated Facility Location Zip:	85344
Designated Facility Location State:	AZ
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	019648958JJK
Last Updated Date:	20210525
Shipped Date:	20190913
Received Date:	20190923
Manifest Status:	Corrected
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	Not reported
Generator Name:	Kenneth Bland
Generator Location Street Number:	Not reported
Generator Location Street 1:	229 ALAMO WAY
Generator Location Street 2:	Not reported
Generator Location City:	EL CAJON
Generator Location State:	CA
Generator Location Zip:	92021
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	229 ALAMO WAY
Generator Mail Street 2:	Not reported
Generator Mail City:	EL CAJON
Generator Mail Zip:	92021

KENNETH BLAND (Continued) **1025850617**

Generator Mail State:	CA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	NVT330010000
Designated Facility Name:	Us Ecology Nevada, Inc.
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	HWY 95 11 MILES S. OF BEATTY
Designated Facility Mail City:	BEATTY
Designated Facility Mail Zip:	89003
Designated Facility Mail State:	NV
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	HWY 95 11 MILES S. OF BEATTY
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	BEATTY
Designated Facility Location Zip:	89003
Designated Facility Location State:	NV
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	019648958JJK
Last Updated Date:	20210525
Shipped Date:	20190913
Received Date:	20190923
Manifest Status:	Corrected
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	Not reported
Generator Name:	Kenneth Bland
Generator Location Street Number:	Not reported
Generator Location Street 1:	229 ALAMO WAY
Generator Location Street 2:	Not reported
Generator Location City:	EL CAJON
Generator Location State:	CA
Generator Location Zip:	92021
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	229 ALAMO WAY
Generator Mail Street 2:	Not reported
Generator Mail City:	EL CAJON
Generator Mail Zip:	92021
Generator Mail State:	CA
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	NVT330010000
Designated Facility Name:	Us Ecology Nevada, Inc.
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	HWY 95 11 MILES S. OF BEATTY
Designated Facility Mail City:	BEATTY
Designated Facility Mail Zip:	89003
Designated Facility Mail State:	NV
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	HWY 95 11 MILES S. OF BEATTY
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	BEATTY
Designated Facility Location Zip:	89003
Designated Facility Location State:	NV
Designated Facility Contact Company Name:	Not reported

KENNETH BLAND (Continued) **1025850617**

Manifest Residue Indicator: N
Rejection Indicator: N

Transporter:
Manifest Tracking Number: 019648958JJK
Transporter Line Number: 1
Transporter EPA ID: CAR000049064
Transporter Name: E.C.T.I.

Manifest Tracking Number: 019648958JJK
Transporter Line Number: 2
Transporter EPA ID: CAR000174292
Transporter Name: Alliance Environmental Group

Manifest Tracking Number: 019648958JJK
Transporter Line Number: 3
Transporter EPA ID: CAR000045963
Transporter Name: Aro Trucking

Waste Line:
Manifest Tracking Number: 019648958JJK
Waste Line Number: 1
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: NA3077
U.S. DOT Description: Na3077, Hazardous Waste, Solid, N.O.S.(Lead), 9, Pg Iii
Non-Hazardous Waste Description: Not reported
Number of Containers: 1
Container Type Code: DF
Container Type Description: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 23
Quantity Unit of Measure Code: P
Quantity Unit of Measure Description: Pounds
Waste Quantity, in Tons: 0.0115
Acute Waste Quantity, in Tons: 0
Non-Acute Waste Quantity, in Tons: 0.0115
Waste Quantity, in Kilograms: 10.430845
Acute Waste Quantity, in Kilograms: 0
Non-Acute Waste Quantity, in Kilorgrams: 10.430845
Management Method Code: H132
Management Method Description: LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N
Waste Density: Not reported
Waste Density Unit of Measure Code: Not reported
Waste Density Unit of Measure Description: Not reported
Form Code: Not reported
Form Code Description: Not reported
Source Code: Not reported
Source Code Description: Not reported
Waste Minimization Code: Not reported
Waste Minimization Code Description: Not reported
Consent Number: Not reported
EPA Waste Indicator: Y
Federal Waste Codes: D008
Quantity Haz Kg: 10.430845

KENNETH BLAND (Continued) **1025850617**

Quantity Haz Tons: 0.0115
Quantity Non Haz Kg: 0
Quantity Non Haz Tons: 0
State Waste Codes: CA-181, CA-352

---

32 **CREST RADIO RELAY** **SWEEPS UST** **U001571274**
SSE **519 ALTA LN** **HIST UST** **N/A**
1/4-1/2 **EL CAJON, CA 92021** **HIST CORTESE**
0.340 mi.
1797 ft.

Actual:
1660 ft.

Focus Map:
1

SWEEPS UST:
Name: CREST RADIO RELAY
Address: 519 ALTA LN
City: EL CAJON
Status: Not reported
Comp Number: 20213
Number: Not reported
Board Of Equalization: 44-012784
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-020213-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: 1

HIST UST:
Name: CREST RADIO RELAY
Address: 519 ALTA LN
City,State,Zip: EL CAJON, CA 92021
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000049381
Facility Type: Other
Other Type: COMMUNICATIONS
Contact Name: F.J. WEHMAN
Telephone: 4154606500
Owner Name: A.T.&T. COMMUNICATIONS, INC.
Owner Address: 5925 W. LAS POSITAS BLVD.
Owner City,St,Zip: PLEASANTON, CA 94566
Total Tanks: 0001

Tank Num: 001
Container Num: B56998X
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

CREST RADIO RELAY (Continued) **U001571274**

HIST CORTESE:

edr_fname:	HARBOR AUTO CARE FACILITY
edr_fadd1:	519
City,State,Zip:	FULLERTON, CA 92632
Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083002949T

edr_fname:	FAST GAS #929
edr_fadd1:	519
City,State,Zip:	FULLERTON, CA 92632
Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083001886T

---

33 **GAS DEPOT** **UST FINDER RELEASE** **1028968733**
SSE **490 N 02ND ST** **N/A**
1/4-1/2 **EL CAJON, CA 92021**
0.345 mi.
1819 ft.

Actual:
1563 ft.

Focus Map:
1

UST FINDER RELEASE:

Object ID:	74019
Facility ID:	Not reported
Lust ID:	CAT10000002346
Name:	GAS DEPOT
Address:	490 N 02ND ST
City,State,Zip:	EL CAJON, CA 92021
Address Match Type:	Postal
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	Not reported
Domestic Wells within 1500ft:	Not reported
Land Use:	Not reported
Within SPA:	Not reported
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Not reported
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Within 100yr Floodplain:	Not reported
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-116.94443

GAS DEPOT (Continued) **1028968733**

Y Coord:	32.8014900000001
Latitude:	32.80149
Longitude:	-116.944429999999
Object ID:	74047
Facility ID:	Not reported
Lust ID:	CAT0607399060
Name:	GAS DEPOT
Address:	490 N 02ND ST
City,State,Zip:	EL CAJON, CA 920216446
Address Match Type:	PostalExt
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	Not reported
Domestic Wells within 1500ft:	Not reported
Land Use:	Not reported
Within SPA:	Not reported
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Not reported
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Within 100yr Floodplain:	Not reported
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-116.93583
Y Coord:	32.7998900000001
Latitude:	32.7998899999999
Longitude:	-116.935829999999

E34 **AMERICAN TIRE & SERVICE CO** **LUST** **S105690775**
SSE **435 N 02ND ST** **SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **EL CAJON, CA 92021** **Cortese**
0.370 mi. **SAN DIEGO CO LOP**
1954 ft. **Site 1 of 2 in cluster E** **CERS**

Actual:
1575 ft.

Focus Map:
1

LUST:

Name:	AMERICAN TIRE & SERVICE CO
Address:	435 N 02ND ST
City,State,Zip:	EL CAJON, CA 920216447
Lead Agency:	SAN DIEGO COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607303085
Global Id:	T0607303085
Latitude:	32.7998424401942
Longitude:	-116.935375928879
Status:	Completed - Case Closed

AMERICAN TIRE & SERVICE CO (Continued) **S105690775**

Status Date:	02/02/1989
Case Worker:	Not reported
RB Case Number:	9UT838
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H13743-001
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
EPA Region:	9
Coordinate Source:	Google Map Move
Quantity Released Gallons:	Not reported
Begin Date:	11/12/1987
Leak Reported Date:	11/12/1987
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	02/02/1989
CA Water Watershed Name:	San Diego - Lower San Diego - El Cajon (907.13)
Dwr Groundwater Subbasin Name:	El Cajon Valley (9-016)
Disadvantaged Community:	Severely Disadvantaged Community
CA Enviroscreen 3 Score:	51-55%
CA Enviroscreen 4 Score:	55-60%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SAN DIEGO RWQCB (REGION 9)
Claim Number:	Not reported
Claim Status:	Not reported
Site History:	Not reported

LUST:

Global Id:	T0607303085
Action Type:	Other
Date:	11/12/1987
Action:	Leak Discovery

Global Id:	T0607303085
Action Type:	Other
Date:	11/12/1987
Action:	Leak Began

Global Id:	T0607303085
Action Type:	Other
Date:	11/12/1987
Action:	Leak Reported

Global Id:	T0607303085
Action Type:	Other
Date:	11/12/1987
Action:	Leak Stopped

LUST:

Global Id:	T0607303085
Status:	Completed - Case Closed
Status Date:	02/02/1989

AMERICAN TIRE & SERVICE CO (Continued) **S105690775**

Global Id: T0607303085
Status: Open - Case Begin Date
Status Date: 11/12/1987

SAN DIEGO CO. SAM:
Name: AMERICAN TIRE & SERVICE CO
Address: 435 N 02ND ST
City,State,Zip: EL CAJON, CA 920216447
Case Number: H13743-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 2/2/1989
Date Began: 11/12/1987

CORTESE:
Name: AMERICAN TIRE & SERVICE CO
Address: 435 N 02ND ST
City,State,Zip: EL CAJON, CA 920216447
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607303085
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

SAN DIEGO CO LOP:
Name: AMERICAN TIRE & SERVICE CO
Address: 435 N 02ND ST
City,State,Zip: EL CAJON, CA 92021
Record ID: DEH1987-LSAM-H13743-001
Record Status: Completed
Opened Date: 11/12/1987
Parcel Number: 489-180-69-00
Case Type: LOP - Local Oversight Program
Historical Name: KENNEDYS FIRESTONE
SWRCB Global ID: T0607303085
Funding: S - LOP State Fund
Lead Agency: DEH/SAM

AMERICAN TIRE & SERVICE CO (Continued) **S105690775**

Lead Agency Date:	11/12/1987
Census Tract:	157.01
Community:	El Cajon
Jurisdiction:	EL CAJON
Watershed Basin Number:	907.13
Water Purveyor:	EL CAJON
Fire Agency:	EL CAJON
Latitude:	32.7994549
Longitude:	-116.9353192
X MapCoord:	6351072.939
Y MapCoord:	1871357.825

CERS:

Name:	AMERICAN TIRE & SERVICE CO
Address:	435 N 02ND ST
City,State,Zip:	EL CAJON, CA 920216447
Site ID:	897172
CERS ID:	T0607303085
CERS Description:	Leaking Underground Storage Tank Cleanup Site

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E35 **AMERICAN TIRE & SERVICE CO** **UST FINDER RELEASE** **1028916573**
SSE **435 N 02ND ST** **N/A**
1/4-1/2 **EL CAJON, CA 92021**
0.370 mi.
1954 ft. **Site 2 of 2 in cluster E**

Actual:
1575 ft.

Focus Map:
1

UST FINDER RELEASE:

Object ID:	74053
Facility ID:	Not reported
Lust ID:	CAT0607303085
Name:	AMERICAN TIRE & SERVICE CO
Address:	435 N 02ND ST
City,State,Zip:	EL CAJON, CA 920216447
Address Match Type:	PostalExt
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	Not reported
Domestic Wells within 1500ft:	Not reported
Land Use:	Not reported
Within SPA:	Not reported
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Not reported
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Within 100yr Floodplain:	Not reported
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported

AMERICAN TIRE & SERVICE CO (Continued) **1028916573**

Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-116.93568
Y Coord:	32.7994400000001
Latitude:	32.7994399999999
Longitude:	-116.93568

36
SSE
1/4-1/2
0.444 mi.
2342 ft.

KOREY'S AUTO REPAIR
303 N 02ND ST
EL CAJON, CA 92021

UST FINDER RELEASE **1029009174**
N/A

Actual:
1614 ft.

Focus Map:
2

UST FINDER RELEASE:

Object ID:	74052
Facility ID:	Not reported
Lust ID:	CAT0607301055
Name:	KOREY'S AUTO REPAIR
Address:	303 N 02ND ST
City,State,Zip:	EL CAJON, CA 920216445
Address Match Type:	PostalExt
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	Not reported
Domestic Wells within 1500ft:	Not reported
Land Use:	Not reported
Within SPA:	Not reported
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Not reported
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Within 100yr Floodplain:	Not reported
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-116.93568
Y Coord:	32.7988500000001
Latitude:	32.79885
Longitude:	-116.93568

F37 **ABANDONED SERVICE STATION** **HIST CORTESE** **S105023575**
North **551 HARBISON CNYN** **N/A**
1/4-1/2 **EL CAJON, CA 92021**
0.452 mi.
2388 ft. **Site 1 of 3 in cluster F**

Actual: **876 ft.**

Focus Map: **2**

HIST CORTESE:

edr_fname:	ABANDONED SERVICE STATION
edr_fadd1:	551 HARBISON CNYN
City,State,Zip:	EL CAJON, CA 92021
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT362

F38 **WALTER EARL DOTSON AT0462** **LUST** **S104234299**
North **551 HARBISON CANYON RD** **CPS-SLIC** **N/A**
1/4-1/2 **EL CAJON, CA 92019**
0.452 mi.
2388 ft. **Site 2 of 3 in cluster F**

Actual: **876 ft.**

Focus Map: **2**

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT362
Local Case:	H03562-001
Substance:	0
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Close Tank
Source:	Tank
Cause:	Structure Failure
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	08/20/1986
Date Stopped:	/ /
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	08/20/1986
Enforce Date:	Not reported
Closed Date:	12/17/86
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	909.23
GW Depth:	Not reported
Beneficial Use:	Not reported
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

WALTER EARL DOTSON AT0462 (Continued) **S104234299**

CPS-SLIC:

Name:	WALTER EARL DOTSON AT0462
Address:	551 HARBISON CANYON RD
City,State,Zip:	EL CAJON, CA 920191528
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/17/1986
Global Id:	T0607302388
Lead Agency:	SAN DIEGO COUNTY
Lead Agency Case Number:	H03562-001
Latitude:	32.81859
Longitude:	-116.831865
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT362
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
EPA Region:	9
Coordinate Source:	Google Map Move
Quantity Released Gallons:	Not reported
Begin Date:	08/21/1986
Leak Reported Date:	Not reported
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	12/17/1986
CA Water Watershed Name:	Sweetwater - Middle Sweetwater - Dehesa (909.23)
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	1-5% (lowest scores)
CA Enviroscreen 4 Score:	1-5% (lowest scores)
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SAN DIEGO RWQCB (REGION 9)
Claim No:	Not reported
Claim Status:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

F39 **WALTER EARL DOTSON AT0462** **SAN DIEGO CO. SAM** **S105539522**
North **551 HARBISON CANYON RD** **San Diego Co. HMMD** **N/A**
1/4-1/2 **EL CAJON, CA 92019** **SWEEPS UST**
0.452 mi. **CERS**
2388 ft. **Site 3 of 3 in cluster F**

Actual:
876 ft.

Focus Map:
2

SAN DIEGO CO. SAM:

Name:	WALTER EARL DOTSON AT0462
Address:	551 HARBISON CANYON RD
City,State,Zip:	EL CAJON, CA 920191528
Case Number:	H03562-001
Agency:	DEH Site Assessment & Mitigation

WALTER EARL DOTSON AT0462 (Continued) **S105539522**

Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	12/17/1986
Date Began:	8/21/1986

HMMD SAN DIEGO:

Name:	WALTER EARL DOTSON AT0462
Address:	551 HARBISON CANYON RD
City,State,Zip:	EL CAJON, CA 92019
Permit Number:	103562
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	399-240-40-00
Last HMMD Inspection:	Not reported
Facility Telephone:	619-445-3495
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	WALTER EARL DOTSON
Facility Mailing Address:	945 HARBISON CANYON RD
Facility Mailing City:	EL CAJON
Facility Mailing State:	Not reported
Facility Mailing Zip:	92019-1418
UST Owner:	WALTER EARL DOTSON
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 103562 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103562
Tank Type:	SINGLE WALL
Additional Id:	AT0462-1
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103562 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103562
Tank Type:	SINGLE WALL
Additional Id:	AT0462-2
Capacity Gallons:	1000
UST Contents:	LEADED

WALTER EARL DOTSON AT0462 (Continued) **S105539522**

Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SWEEPS UST:

Name:	WALTER EARL DOTSON AT0462
Address:	551 HARBISON CANYON RD
City:	EL CAJON
Status:	Not reported
Comp Number:	3562
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003562-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	2

Name:	WALTER EARL DOTSON AT0462
Address:	551 HARBISON CANYON RD
City:	EL CAJON
Status:	Not reported
Comp Number:	3562
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003562-000002
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Name:	WALTER EARL DOTSON AT0462
Address:	551 HARBISON CANYON RD
City:	EL CAJON
Status:	Active
Comp Number:	3562

WALTER EARL DOTSON AT0462 (Continued) **S105539522**

Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

CERS:

Name:	WALTER EARL DOTSON AT0462
Address:	551 HARBISON CANYON RD
City,State,Zip:	EL CAJON, CA 920191528
Site ID:	891432
CERS ID:	T0607302388
CERS Description:	Cleanup Program Site

Count: 26 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ALPINE	2018215810		1117 TAVERN ROAD		ERNS
ALPINE	S105155608	ALPINE BURNSITE II	EAST OF 9715 CHOCOLATE SUMMIT DRIVE 1/2 MI. N OF I-8		SWF/LF
ALPINE	S117037730		I-8 EASTBOUND AT TAVERN RD	91901	CDL
ALPINE	S106923927	CALTRANS-DESCANSO	JAPATUL RD	91901	SWEEPS UST
ALPINE	S111758623		HIGH GLEN ROAD NEAR JAPATUL		CHMIRS
ALPINE	S105631087		EAST BOUND 8 AT TAVERN		CHMIRS
ALPINE	S110424653		WB I-8, WEST OF TAVERN ROAD, ON CENTER DIVIDE		CHMIRS
ALPINE	1023324327	TAVERN ROAD DRAINAGE IMPROVEMENTS	TAVERN	91901	FINDS
ALPINE	1027062560	A&D LOGISTICS, INC	851 TAVERN RD	91901	FINDS
ALPINE	S126215026	KEVIN BARRY SFR	14918 SEQUAN TRUCK TRAIL	91901	NPDES
ALPINE	S121678934	TAVERN RD COMMERCIAL PADS	TAVERN RD MONTEREY PL	91901	CIWQS
ALPINE	S121677034	STONE RIDGE EST ALPINE	TAVERN RD AND CAMINO	91901	CIWQS
ALPINE	S121678933	TAVERN RD BIKE LANES & PATHWAY PROJECT	TAVERN RD @ ROBLES GRANDE	91901	CIWQS
ALPINE	S121647018	JAPATUL RNCH	JAPATUL VALLEY RD	91901	CIWQS
ALPINE	S121692356	WOOD TO STEEL POLE REPLACEMENT PROJECT TL6904	TAVERN RD		CIWQS
CREST	S121638275	FERRELL RESIDENCE	CANYON RIM DRIVE	92021	CIWQS
EL CAJON	2008861289		ON DEHESA ROAD	92019	ERNS
EL CAJON	92107836		SEQUAN TRUCK TRAIL &		ERNS
EL CAJON	S132051847	LA MAESTRA COMMUNITY HEALTH CENTER	1242, 1246, 1248 EAST MAIN STREET	92021	ENVIROSTOR
EL CAJON	S110421750		DEHESA ROAD		CHMIRS
EL CAJON	S111757454		CROSS STREETS ARE LA CRESTA AND FLUME		CHMIRS
EL CAJON	1027001126	KARINA BALINDA	2242 LA CRESTA RD	92021	FINDS
EL CAJON	S121633312	DEHESA RD WATERMAIN EXPANSION PROJ	DEHESA RD FROM SYCUAN SUMMIT DR THRU SLOANE CANYON		CIWQS
EL CAJON	S121649434	LACRESTA 4	S SIDE LA CRESTA RD & BEND RD		CIWQS
EL CAJOON	S105641163		1 MILE NORTH ON LAKE VIEW LANE FROM LA CRESTA BLVD	92021	CHMIRS
SAN DIEGO COUNTY	S105630400		REAR OF PUBLIC WORKS COMPOUND ITWAS CHINA LAKE		CHMIRS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/27/2025
Date Data Arrived at EDR: 04/01/2025
Date Made Active in Reports: 04/24/2025
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 05/01/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/27/2025
Date Data Arrived at EDR: 04/01/2025
Date Made Active in Reports: 04/24/2025
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 05/01/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/27/2025
Date Data Arrived at EDR: 04/01/2025
Date Made Active in Reports: 04/24/2025
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 05/01/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/20/2024
Date Data Arrived at EDR: 12/18/2024
Date Made Active in Reports: 12/20/2024
Number of Days to Update: 2

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/27/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/27/2025
Date Data Arrived at EDR: 04/01/2025
Date Made Active in Reports: 04/24/2025
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/01/2025
Next Scheduled EDR Contact: 07/21/2025
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 03/27/2025
Date Data Arrived at EDR: 04/01/2025
Date Made Active in Reports: 04/24/2025
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/01/2025
Next Scheduled EDR Contact: 07/21/2025
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/06/2025
Number of Days to Update: 15

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/06/2025
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/06/2025
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/06/2025
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/06/2025
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/11/2024
Date Data Arrived at EDR: 11/25/2024
Date Made Active in Reports: 02/18/2025
Number of Days to Update: 85

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 04/30/2025
Next Scheduled EDR Contact: 08/18/2025
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/29/2025
Date Data Arrived at EDR: 02/18/2025
Date Made Active in Reports: 04/29/2025
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 12/02/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/29/2025
Date Data Arrived at EDR: 02/18/2025
Date Made Active in Reports: 04/29/2025
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/03/2024
Date Data Arrived at EDR: 12/11/2024
Date Made Active in Reports: 02/18/2025
Number of Days to Update: 69

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/21/2025
Date Data Arrived at EDR: 01/22/2025
Date Made Active in Reports: 04/03/2025
Number of Days to Update: 71

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/22/2025
Next Scheduled EDR Contact: 08/04/2025
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/21/2025
Date Data Arrived at EDR: 01/22/2025
Date Made Active in Reports: 04/03/2025
Number of Days to Update: 71

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/22/2025
Next Scheduled EDR Contact: 08/04/2025
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/03/2025
Date Data Arrived at EDR: 02/04/2025
Date Made Active in Reports: 04/18/2025
Number of Days to Update: 73

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/06/2025
Next Scheduled EDR Contact: 08/18/2025
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2
Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 02/24/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/16/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 01/07/2025
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/07/2025
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/24/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 04/08/2025
Date Data Arrived at EDR: 04/23/2025
Date Made Active in Reports: 04/24/2025
Number of Days to Update: 1
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/26/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/03/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/22/2025
Number of Days to Update: 79
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/04/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 11/25/2024
Date Data Arrived at EDR: 12/03/2024
Date Made Active in Reports: 01/07/2025
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 05/22/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/24/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/05/2025
Next Scheduled EDR Contact: 06/23/2025
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/08/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 01/07/2025
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/15/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/12/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/21/2025
Date Data Arrived at EDR: 01/22/2025
Date Made Active in Reports: 04/03/2025
Number of Days to Update: 71
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/22/2025
Next Scheduled EDR Contact: 08/04/2025
Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/11/2024
Date Data Arrived at EDR: 12/11/2024
Date Made Active in Reports: 03/03/2025
Number of Days to Update: 82
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/09/2024
Date Data Arrived at EDR: 09/11/2024
Date Made Active in Reports: 12/06/2024
Number of Days to Update: 86
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/12/2025
Next Scheduled EDR Contact: 06/23/2025
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 04/16/2025
Next Scheduled EDR Contact: 08/04/2025
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 03/03/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/22/2025
Number of Days to Update: 79

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/04/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 02/11/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 05/05/2025
Number of Days to Update: 75

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 04/30/2025
Next Scheduled EDR Contact: 08/18/2025
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/21/2025
Next Scheduled EDR Contact: 08/04/2025
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 02/07/2024
Date Data Arrived at EDR: 11/13/2024
Date Made Active in Reports: 11/19/2024
Number of Days to Update: 6

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/30/2025
Next Scheduled EDR Contact: 08/04/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/31/2024
Date Data Arrived at EDR: 02/20/2025
Date Made Active in Reports: 04/29/2025
Number of Days to Update: 68

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/22/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/21/2025
Date Data Arrived at EDR: 01/22/2025
Date Made Active in Reports: 04/03/2025
Number of Days to Update: 71

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/22/2025
Next Scheduled EDR Contact: 08/04/2025
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 03/21/2024
Date Made Active in Reports: 06/12/2024
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Varies

CERS HAZ WASTE: California Environmental Reporting System Hazardous Waste

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/12/2025
Date Data Arrived at EDR: 01/14/2025
Date Made Active in Reports: 03/28/2025
Number of Days to Update: 73

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/15/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/31/2024
Date Data Arrived at EDR: 02/20/2025
Date Made Active in Reports: 04/29/2025
Number of Days to Update: 68

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/22/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 01/28/2025
Date Data Arrived at EDR: 01/29/2025
Date Made Active in Reports: 04/15/2025
Number of Days to Update: 76

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/23/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/12/2025
Date Data Arrived at EDR: 01/14/2025
Date Made Active in Reports: 03/28/2025
Number of Days to Update: 73
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/15/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/20/2025
Date Data Arrived at EDR: 02/21/2025
Date Made Active in Reports: 05/07/2025
Number of Days to Update: 75
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 03/27/2025
Date Data Arrived at EDR: 04/01/2025
Date Made Active in Reports: 04/24/2025
Number of Days to Update: 23
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 05/01/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing
Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/25/2025
Date Made Active in Reports: 05/07/2025
Number of Days to Update: 71
Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 05/23/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/10/2024
Date Data Arrived at EDR: 12/11/2024
Date Made Active in Reports: 02/27/2025
Number of Days to Update: 78
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/30/2024
Date Data Arrived at EDR: 01/14/2025
Date Made Active in Reports: 03/28/2025
Number of Days to Update: 73

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/18/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/24/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/24/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/06/2025
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/30/2025
Date Data Arrived at EDR: 02/11/2025
Date Made Active in Reports: 04/24/2025
Number of Days to Update: 72

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/13/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/08/2025
Next Scheduled EDR Contact: 07/21/2025
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/03/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/08/2025
Next Scheduled EDR Contact: 08/18/2025
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/06/2025
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 04/28/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/01/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/10/2025
Next Scheduled EDR Contact: 06/23/2025
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/11/2025
Date Made Active in Reports: 02/18/2025
Number of Days to Update: 7

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/15/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/13/2025
Date Data Arrived at EDR: 01/15/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 82

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/15/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/25/2025
Date Data Arrived at EDR: 05/01/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 20

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 05/01/2025
Next Scheduled EDR Contact: 06/09/2025
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 01/01/2025
Date Data Arrived at EDR: 01/17/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/10/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 02/26/2025
Date Data Arrived at EDR: 03/03/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/01/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 10/02/2024
Date Made Active in Reports: 01/10/2025
Number of Days to Update: 100

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/03/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/26/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/12/2024
Date Data Arrived at EDR: 10/17/2024
Date Made Active in Reports: 11/19/2024
Number of Days to Update: 33
Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 04/10/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 10/16/2024
Date Made Active in Reports: 01/14/2025
Number of Days to Update: 90
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/22/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/22/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/01/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/20/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/10/2025
Date Data Arrived at EDR: 01/22/2025
Date Made Active in Reports: 04/21/2025
Number of Days to Update: 89

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/22/2025
Next Scheduled EDR Contact: 08/04/2025
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2024
Date Data Arrived at EDR: 01/27/2025
Date Made Active in Reports: 04/21/2025
Number of Days to Update: 84

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/26/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/07/2025
Number of Days to Update: 16

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/01/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 05/01/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 02/12/2025
Date Data Arrived at EDR: 02/12/2025
Date Made Active in Reports: 02/27/2025
Number of Days to Update: 15

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/15/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 03/27/2025
Date Data Arrived at EDR: 04/01/2025
Date Made Active in Reports: 04/24/2025
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 05/01/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 02/19/2025
Date Data Arrived at EDR: 02/21/2025
Date Made Active in Reports: 03/20/2025
Number of Days to Update: 27

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Quarterly

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/03/2025
Date Data Arrived at EDR: 02/18/2025
Date Made Active in Reports: 03/20/2025
Number of Days to Update: 30

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/02/2024
Date Data Arrived at EDR: 08/20/2024
Date Made Active in Reports: 10/09/2024
Number of Days to Update: 50

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/22/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 06/04/2024
Date Data Arrived at EDR: 11/22/2024
Date Made Active in Reports: 02/18/2025
Number of Days to Update: 88

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/22/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/10/2024
Date Data Arrived at EDR: 12/11/2024
Date Made Active in Reports: 02/18/2025
Number of Days to Update: 69

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/12/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/22/2025
Date Data Arrived at EDR: 05/05/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 16

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/05/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/21/2024
Date Data Arrived at EDR: 12/27/2024
Date Made Active in Reports: 01/10/2025
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/27/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/03/2025
Next Scheduled EDR Contact: 07/21/2025
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/13/2025
Date Data Arrived at EDR: 02/13/2025
Date Made Active in Reports: 04/29/2025
Number of Days to Update: 75

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/13/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 03/31/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/05/2025
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 03/31/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/05/2025
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 03/31/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/05/2025
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 03/07/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/05/2025
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 03/23/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/05/2025
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 04/17/2025
Next Scheduled EDR Contact: 08/04/2025
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 03/03/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT

The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/19/2023
Date Data Arrived at EDR: 04/05/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 62

Source: Social Science Environmental Health Research Institute
Telephone: N/A
Last EDR Contact: 03/06/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 03/24/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 03/24/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PFAS ECHO FIRE TRAIN: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 03/24/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PFAS PT 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 03/24/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 03/24/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 04/29/2025
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/27/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: No Update Planned

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/27/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data
The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 01/12/2025
Date Data Arrived at EDR: 01/14/2025
Date Made Active in Reports: 03/20/2025
Number of Days to Update: 65
Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 04/15/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database
US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79
Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 05/08/2025
Next Scheduled EDR Contact: 08/18/2025
Data Release Frequency: Semi-Annually

UST FINDER: UST Finder Database
EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106
Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 05/08/2025
Next Scheduled EDR Contact: 08/18/2025
Data Release Frequency: Varies

E MANIFEST: Hazardous Waste Electronic Manifest System
EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/14/2025
Number of Days to Update: 23
Source: Environmental Protection Agency
Telephone: 833-501-6826
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing
A listing of PFAS sites included in the Envirostor and GeoTracker databases. Locations of potential sources of per - and polyfluoroalkyl substances (PFAS). This does not mean that PFAS has been produced, used, or discharged at these sites.

Date of Government Version: 03/03/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/22/2025
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/04/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 03/03/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 03/04/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CHROME PLATING: Chrome Plating Facilities Listing

This listing represents chrome plating facilities the California State Water Resources Control Board staff identified as possibly being a source of Per- and polyfluoroalkyl substance (PFAS) contamination. Sites and locations were identified by staff with the Division of Water Quality in the California State Water Board. Data was collected from the CA Air Resources Board 2013 and 2018 - Cr VI emission survey, CA Emission Inventory, CA HAZ Waste discharge database and by reviewing storm water permits. Former chrome plating sites are also included that are open site investigation or remediation cases with the Regional Water Quality Control Boards and the Department of Toxic Substances Control.

Date of Government Version: 03/03/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 03/04/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/11/2024
Date Data Arrived at EDR: 12/11/2024
Date Made Active in Reports: 03/04/2025
Number of Days to Update: 83

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

CUPA LIV-PLE: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 09/19/2024
Date Data Arrived at EDR: 11/05/2024
Date Made Active in Reports: 01/31/2025
Number of Days to Update: 87

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/08/2025
Next Scheduled EDR Contact: 08/18/2025
Data Release Frequency: Varies

DRYCLEAN SAN LUIS OB: San Luis Obispo County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Luis Obispo County Air Pollution Control District.

Date of Government Version: 01/03/2024
Date Data Arrived at EDR: 01/04/2024
Date Made Active in Reports: 03/20/2024
Number of Days to Update: 76
Source: San Luis Obispo County Air Pollution Control District
Telephone: 805-781-5756
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN PLACER: Placer County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Placer County Air Quality Management District.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/17/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 89
Source: Placer County Air Quality Management District
Telephone: 530-745-2335
Last EDR Contact: 08/21/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 01/27/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 05/02/2025
Number of Days to Update: 72
Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Varies

DRYCLEAN BAY AREA: Bay Area Air Quality Management District Drycleaner Facility Listing
Bay Area Air Quality Management District Drycleaner Facility Listing.

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1432
Source: Bay Area Air Quality Management District
Telephone: 415-516-1916
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN CALAVERAS: Calaveras County Environmental Management Agency Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Calaveras County Environmental Management Agency.

Date of Government Version: 06/17/2019
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1412
Source: Calaveras County Environmental Management Agency
Telephone: 209-754-6399
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

DRYCLEAN N COAST: North Coast Unified Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the North Coast Unified Air Quality Management District.

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473
Source: North Coast Unified Air Quality Management District
Telephone: 707-443-3093
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SANTA BARB: Santa Barbara County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Santa Barbara County Air Pollution Control District.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Santa Barbara County Air Pollution Control District
Telephone: 805-961-8867
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN TEHAMA: Tehama County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Tehama County Air Pollution Control District.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1468
Source: Tehama County Air Pollution Control District
Telephone: 530-527-3717
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SHASTA: Shasta County Air Quality Management District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Shasta County Air Quality Management District.

Date of Government Version: 08/29/2024
Date Data Arrived at EDR: 09/05/2024
Date Made Active in Reports: 11/13/2024
Number of Days to Update: 69
Source: Shasta County Air Quality Management District
Telephone: 530-225-5674
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MOJAVE: Mojave Desert Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mojave Desert Air Quality Management District.

Date of Government Version: 08/21/2024
Date Data Arrived at EDR: 08/22/2024
Date Made Active in Reports: 11/05/2024
Number of Days to Update: 75
Source: Mojave Desert Air Quality Management District
Telephone: 760-245-1661
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN N SIERRA: Northern Sierra Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sierra Air Quality Management District,

Date of Government Version: 08/22/2024
Date Data Arrived at EDR: 08/22/2024
Date Made Active in Reports: 11/05/2024
Number of Days to Update: 75
Source: Northern Sierra Air Quality Management District
Telephone: 530-274-9350
Last EDR Contact: 05/05/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MONTERY BAY: Monterey Bay Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Monterey Bay Air Quality Management District.

Date of Government Version: 09/09/2024
Date Data Arrived at EDR: 09/11/2024
Date Made Active in Reports: 11/26/2024
Number of Days to Update: 76
Source: Monterey Bay Air Quality Management District
Telephone: 831-647-9411
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN AMADOR: Amador Air District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Amador Air Quality Management District

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77
Source: Amador Air Quality Management District
Telephone: 209-257-0112
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN VENTURA: Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Ventura County Air Pollution Control District.

Date of Government Version: 08/26/2024
Date Data Arrived at EDR: 08/28/2024
Date Made Active in Reports: 11/14/2024
Number of Days to Update: 78
Source: Ventura County Air Pollution Control District
Telephone: 805-645-1421
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 02/20/2025
Date Data Arrived at EDR: 02/26/2025
Date Made Active in Reports: 03/28/2025
Number of Days to Update: 30

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Annually

DRYCLEAN EAST KERN: Eastern Kern Air Pollution Control District District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Eastern Kern Air Pollution Control District.

Date of Government Version: 08/21/2024
Date Data Arrived at EDR: 08/22/2024
Date Made Active in Reports: 11/05/2024
Number of Days to Update: 75

Source: Eastern Kern Air Pollution Control District
Telephone: 661-862-9684
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN JOAQUIN: San Joaquin Valley Air Pollution Control District District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the San Joaquin Valley Air Pollution Control District.

Date of Government Version: 08/22/2024
Date Data Arrived at EDR: 08/22/2024
Date Made Active in Reports: 11/05/2024
Number of Days to Update: 75

Source: San Joaquin Valley Air Pollution Control District
Telephone: 559-230-6001
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN GLENN: Glenn County Air Pollution Control District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Glenn County Air Pollution Control District.

Date of Government Version: 08/26/2024
Date Data Arrived at EDR: 08/28/2024
Date Made Active in Reports: 11/13/2024
Number of Days to Update: 77

Source: Glenn County Air Pollution Control District
Telephone: 530-934-6500
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN BUTTE: Butte County Air Quality Management DistrictDrycleaner Facility Listing

Butte County Air Quality Management DistrictDrycleaner Facility Listing.

Date of Government Version: 09/10/2024
Date Data Arrived at EDR: 09/11/2024
Date Made Active in Reports: 11/25/2024
Number of Days to Update: 75

Source: Butte County Air Quality Management District
Telephone: 530-332-9400
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN FEATHER RVR: Feather River Air Quality Management District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Feather River Air Quality Management District.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 06/05/2023
Number of Days to Update: 88

Source: Feather River Air Quality Management District
Telephone: 530-634-7659
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 05/29/2024
Date Data Arrived at EDR: 11/07/2024
Date Made Active in Reports: 11/22/2024
Number of Days to Update: 15

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Varies

DRYCLEAN N SONOMA: Norther Sonoma County County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sonoma County Air Pollution Control District.,

Date of Government Version: 08/23/2024
Date Data Arrived at EDR: 08/26/2024
Date Made Active in Reports: 11/05/2024
Number of Days to Update: 71

Source: Santa Barbara County Air Pollution Control District
Telephone: 707-433-5911
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN GRANT: Grant Recipients List
Assembly Bill 998 (AB 998) established the Non-Toxic Dry Cleaning Incentive Program to provide financial assistance to the dry cleaning industry to switch from systems using perchloroethylene (Perc), an identified toxic air contaminant and potential human carcinogen, to non-toxic and non-smog forming alternatives.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 01/26/2024
Date Made Active in Reports: 04/16/2024
Number of Days to Update: 81

Source: California Air Resources Board
Telephone: 916-323-0006
Last EDR Contact: 04/24/2025
Next Scheduled EDR Contact: 08/04/2025
Data Release Frequency: Varies

DRYCLEAN YOLO-SOLANO: Yolo-Solano Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Yolo-Solano Air Quality Management District.

Date of Government Version: 08/21/2024
Date Data Arrived at EDR: 08/26/2024
Date Made Active in Reports: 11/06/2024
Number of Days to Update: 72

Source: Yolo-Solano Air Quality Management District
Telephone: 530-757-3650
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN LAKE: Lake County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Lake County Air Quality Management District,

Date of Government Version: 02/15/2024
Date Data Arrived at EDR: 02/16/2024
Date Made Active in Reports: 05/02/2024
Number of Days to Update: 76

Source: Lake County Air Quality Management District
Telephone: 707-263-7000
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN DIEGO: San Diego County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Diego County Air Pollution Control District.

Date of Government Version: 08/21/2024
Date Data Arrived at EDR: 08/28/2024
Date Made Active in Reports: 11/13/2024
Number of Days to Update: 77

Source: San Diego County Air Pollution Control District
Telephone: 858-586-2616
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MENDOCINO: Mendocino County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mendocino County Air Quality Management District.

Date of Government Version: 08/26/2024
Date Data Arrived at EDR: 09/03/2024
Date Made Active in Reports: 11/13/2024
Number of Days to Update: 71

Source: Mendocino County Air Quality Management District
Telephone: 707-463-4354
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SACRAMENTO: Sacramento Metropolitan Air Quality Management DistrictDrycleaner Facility Listing
A listing of drycleaner facility locations, for the Sacramento Metropolitan Air Quality Management District.

Date of Government Version: 09/03/2024
Date Data Arrived at EDR: 09/05/2024
Date Made Active in Reports: 11/13/2024
Number of Days to Update: 69

Source: Sacramento Metropolitan Air Quality Management District
Telephone: 916-874-3958
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN IMPERIAL: Imperial County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Imperial County Air Pollution Control District

Date of Government Version: 10/02/2024
Date Data Arrived at EDR: 10/03/2024
Date Made Active in Reports: 12/20/2024
Number of Days to Update: 78

Source: Imperial County Air Pollution Control District
Telephone: 442-265-1800
Last EDR Contact: 05/02/2025
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 03/11/2025
Date Made Active in Reports: 05/23/2025
Number of Days to Update: 73

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/11/2025
Next Scheduled EDR Contact: 06/23/2025
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/13/2025
Date Data Arrived at EDR: 01/14/2025
Date Made Active in Reports: 03/28/2025
Number of Days to Update: 73

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/15/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

FIN ASSURANCE 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/09/2025
Date Data Arrived at EDR: 01/14/2025
Date Made Active in Reports: 03/28/2025
Number of Days to Update: 73

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

FIN ASSURANCE 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 01/31/2025
Date Data Arrived at EDR: 02/13/2025
Date Made Active in Reports: 05/05/2025
Number of Days to Update: 81

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 04/30/2025
Next Scheduled EDR Contact: 08/18/2025
Data Release Frequency: Varies

ICE: Inspection, Compliance and Enforcement
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/10/2025
Date Data Arrived at EDR: 02/11/2025
Date Made Active in Reports: 04/28/2025
Number of Days to Update: 76

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/13/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/10/2025
Date Data Arrived at EDR: 02/11/2025
Date Made Active in Reports: 04/28/2025
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/13/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 12/27/2024
Date Data Arrived at EDR: 12/27/2024
Date Made Active in Reports: 03/13/2025
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/01/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Quarterly

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 07/19/2024
Date Data Arrived at EDR: 07/30/2024
Date Made Active in Reports: 08/28/2024
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 03/31/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2024
Date Data Arrived at EDR: 01/03/2025
Date Made Active in Reports: 03/19/2025
Number of Days to Update: 75

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/01/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Annually

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/03/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 78
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/04/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 01/02/2025
Date Data Arrived at EDR: 02/25/2025
Date Made Active in Reports: 05/07/2025
Number of Days to Update: 71
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 05/23/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 02/03/2025
Date Data Arrived at EDR: 02/04/2025
Date Made Active in Reports: 04/18/2025
Number of Days to Update: 73
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/06/2025
Next Scheduled EDR Contact: 08/18/2025
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/25/2025
Date Made Active in Reports: 05/07/2025
Number of Days to Update: 71
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 05/23/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/03/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/22/2025
Number of Days to Update: 79
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/04/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/05/2025
Date Data Arrived at EDR: 03/06/2025
Date Made Active in Reports: 05/22/2025
Number of Days to Update: 77
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/05/2025
Next Scheduled EDR Contact: 06/23/2025
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82
Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 04/23/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Annually

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 02/27/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/22/2025
Number of Days to Update: 79
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/04/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/24/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/03/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/07/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/12/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/24/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/24/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/03/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/23/2025
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/04/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System
The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 05/06/2025
Date Data Arrived at EDR: 05/06/2025
Date Made Active in Reports: 05/07/2025
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 05/06/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data
The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/12/2025
Date Data Arrived at EDR: 01/14/2025
Date Made Active in Reports: 03/28/2025
Number of Days to Update: 73

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/15/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)
Non-Case Information sites

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/24/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)
Other Oil & Gas Projects sites

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/24/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/24/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/24/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/24/2025
Date Made Active in Reports: 02/26/2025
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 02/24/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/26/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 12/26/2023
Date Data Arrived at EDR: 12/26/2023
Date Made Active in Reports: 03/19/2024
Number of Days to Update: 84

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/26/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 04/23/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/26/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/16/2024
Date Data Arrived at EDR: 12/18/2024
Date Made Active in Reports: 03/05/2025
Number of Days to Update: 77

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/12/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/23/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 01/16/2025
Date Data Arrived at EDR: 01/22/2025
Date Made Active in Reports: 04/03/2025
Number of Days to Update: 71

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/16/2025
Next Scheduled EDR Contact: 08/04/2025
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 02/05/2025
Date Data Arrived at EDR: 02/12/2025
Date Made Active in Reports: 05/02/2025
Number of Days to Update: 79

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 04/16/2025
Next Scheduled EDR Contact: 08/04/2025
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 04/16/2025
Next Scheduled EDR Contact: 08/04/2025
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/19/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/07/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/09/2025
Date Data Arrived at EDR: 01/14/2025
Date Made Active in Reports: 03/28/2025
Number of Days to Update: 73

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/07/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 01/27/2025
Date Data Arrived at EDR: 01/29/2025
Date Made Active in Reports: 01/31/2025
Number of Days to Update: 2

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 04/23/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 01/27/2025
Date Data Arrived at EDR: 01/29/2025
Date Made Active in Reports: 01/31/2025
Number of Days to Update: 2

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 04/23/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/07/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 01/28/2025
Date Data Arrived at EDR: 01/29/2025
Date Made Active in Reports: 04/15/2025
Number of Days to Update: 76

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/21/2025
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/05/2025
Next Scheduled EDR Contact: 06/23/2025
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/21/2025
Date Data Arrived at EDR: 01/23/2025
Date Made Active in Reports: 04/03/2025
Number of Days to Update: 70

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/06/2025
Date Data Arrived at EDR: 01/07/2025
Date Made Active in Reports: 03/19/2025
Number of Days to Update: 71

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/08/2025
Next Scheduled EDR Contact: 07/21/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 10/03/2024
Date Made Active in Reports: 12/17/2024
Number of Days to Update: 75

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/21/2025
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/12/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 05/14/2024
Date Data Arrived at EDR: 07/09/2024
Date Made Active in Reports: 09/27/2024
Number of Days to Update: 80

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/10/2025
Next Scheduled EDR Contact: 07/21/2025
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 12/03/2024
Date Data Arrived at EDR: 12/11/2024
Date Made Active in Reports: 03/04/2025
Number of Days to Update: 83

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 12/03/2024
Date Data Arrived at EDR: 12/11/2024
Date Made Active in Reports: 03/04/2025
Number of Days to Update: 83

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation LA County List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 09/26/2024
Date Data Arrived at EDR: 01/14/2025
Date Made Active in Reports: 03/28/2025
Number of Days to Update: 73

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/15/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/21/2025
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/15/2024
Date Data Arrived at EDR: 10/17/2024
Date Made Active in Reports: 01/07/2025
Number of Days to Update: 82

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/07/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/19/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/08/2024
Date Data Arrived at EDR: 10/09/2024
Date Made Active in Reports: 10/31/2024
Number of Days to Update: 22

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/07/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 01/10/2025
Date Data Arrived at EDR: 01/14/2025
Date Made Active in Reports: 02/20/2025
Number of Days to Update: 37

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 03/19/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 01/27/2025
Date Data Arrived at EDR: 01/27/2025
Date Made Active in Reports: 02/03/2025
Number of Days to Update: 7

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 04/16/2025
Next Scheduled EDR Contact: 08/04/2025
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups Orange County
Petroleum and non-petroleum spills.

Date of Government Version: 02/05/2025
Date Data Arrived at EDR: 02/06/2025
Date Made Active in Reports: 04/28/2025
Number of Days to Update: 81

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/23/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/05/2025
Date Data Arrived at EDR: 02/06/2025
Date Made Active in Reports: 04/28/2025
Number of Days to Update: 81

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/23/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/05/2025
Date Data Arrived at EDR: 02/06/2025
Date Made Active in Reports: 03/14/2025
Number of Days to Update: 36

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/23/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 02/20/2025
Date Data Arrived at EDR: 02/21/2025
Date Made Active in Reports: 05/07/2025
Number of Days to Update: 75

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 06/11/2024
Date Data Arrived at EDR: 06/12/2024
Date Made Active in Reports: 06/27/2024
Number of Days to Update: 15

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/05/2025
Next Scheduled EDR Contact: 06/23/2025
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 03/06/2025
Date Data Arrived at EDR: 03/07/2025
Date Made Active in Reports: 05/22/2025
Number of Days to Update: 76

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/05/2025
Next Scheduled EDR Contact: 06/23/2025
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/19/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/19/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 01/30/2025
Date Data Arrived at EDR: 01/31/2025
Date Made Active in Reports: 04/18/2025
Number of Days to Update: 77

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 04/23/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/12/2024
Date Data Arrived at EDR: 12/16/2024
Date Made Active in Reports: 03/05/2025
Number of Days to Update: 79

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/28/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 02/24/2025
Date Data Arrived at EDR: 02/25/2025
Date Made Active in Reports: 05/07/2025
Number of Days to Update: 71

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 05/23/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2024
Date Data Arrived at EDR: 01/15/2025
Date Made Active in Reports: 03/28/2025
Number of Days to Update: 72

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 09/08/2025
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 01/28/2025
Date Data Arrived at EDR: 01/29/2025
Date Made Active in Reports: 04/16/2025
Number of Days to Update: 77

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/23/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 04/23/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 01/28/2025
Date Data Arrived at EDR: 01/29/2025
Date Made Active in Reports: 04/16/2025
Number of Days to Update: 77

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/23/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
A listing of properties that fall within a Maher Ordinance, for all of San Francisco. The Maher Ordinance requires San Francisco Department of Public Health (DPH) oversight for the characterization and mitigation of hazardous substances found in soil, soil vapor, and groundwater in areas designated within the Maher map. The Maher map includes areas with current or historical industrial use or zoning; areas within 100 feet of current or historical underground tanks; filled former Bay, marsh, or creek areas; or areas within 150 feet of a current or former elevated highway. City of San Francisco Planning.

Date of Government Version: 01/12/2025
Date Data Arrived at EDR: 01/14/2025
Date Made Active in Reports: 04/02/2025
Number of Days to Update: 78

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 04/15/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/05/2025
Next Scheduled EDR Contact: 06/23/2025
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/06/2025
Date Data Arrived at EDR: 02/11/2025
Date Made Active in Reports: 04/28/2025
Number of Days to Update: 76

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/07/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/06/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 02/26/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/07/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/14/2025
Date Data Arrived at EDR: 02/18/2025
Date Made Active in Reports: 05/02/2025
Number of Days to Update: 73

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/07/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/07/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Varies

SITE MIT SANTA CRUZ: Site Mitigation Santa Cruz County List
Sites may become contaminated with toxic chemicals through illegal dumping or disposal, from leaking underground storage tanks, or through industrial or commercial activities.The goal of the site mitigation program is to protect the public health and the environment while facilitating completion of contaminated site clean-up projects in a timely manner.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 06/23/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 20

Source: Santa Cruz Environmental Health Services
Telephone: 831-454-2761
Last EDR Contact: 05/07/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/07/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/12/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/12/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/21/2025
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 11/05/2024
Date Data Arrived at EDR: 11/20/2024
Date Made Active in Reports: 02/13/2025
Number of Days to Update: 85

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/14/2025
Next Scheduled EDR Contact: 09/01/2025
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 02/11/2025
Date Data Arrived at EDR: 02/12/2025
Date Made Active in Reports: 05/02/2025
Number of Days to Update: 79

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 05/20/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/09/2025
Date Data Arrived at EDR: 01/14/2025
Date Made Active in Reports: 03/28/2025
Number of Days to Update: 73

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 04/23/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 11/21/2024
Date Data Arrived at EDR: 01/21/2025
Date Made Active in Reports: 04/03/2025
Number of Days to Update: 72

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/11/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/19/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/30/2025
Next Scheduled EDR Contact: 08/18/2025
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 04/01/2025
Date Data Arrived at EDR: 04/09/2025
Date Made Active in Reports: 04/23/2025
Number of Days to Update: 14
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/03/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 01/27/2025
Date Data Arrived at EDR: 03/04/2025
Date Made Active in Reports: 05/23/2025
Number of Days to Update: 80
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/04/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 03/19/2025
Date Data Arrived at EDR: 03/25/2025
Date Made Active in Reports: 03/28/2025
Number of Days to Update: 3
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/19/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/17/2025
Date Data Arrived at EDR: 01/22/2025
Date Made Active in Reports: 04/03/2025
Number of Days to Update: 71
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 04/16/2025
Next Scheduled EDR Contact: 08/04/2025
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/02/2025
Date Data Arrived at EDR: 02/04/2025
Date Made Active in Reports: 04/24/2025
Number of Days to Update: 79
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/06/2025
Next Scheduled EDR Contact: 08/18/2025
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/27/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/24/2025
Next Scheduled EDR Contact: 08/04/2025
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/03/2025
Next Scheduled EDR Contact: 07/21/2025
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/07/2025
Next Scheduled EDR Contact: 08/25/2025
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 02/26/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

STREET AND ADDRESS INFORMATION

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ATTACHMENT 3.11-A: AQUATIC RESOURCES DELINEATION REPORT

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SAN DIEGO GAS & ELECTRIC COMPANY

SUNCREST 230 KILOVOLT LOOP-IN PROJECT

AQUATIC RESOURCE DELINEATION REPORT

MARCH 2026

PREPARED FOR:

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TABLE OF CONTENTS

1 – INTRODUCTION 1
2 – PROJECT DESCRIPTION 1
2.0 Project Overview 1
2.1 Project Background and Need 1
2.2 Project Objectives and Purpose 1
2.3 Project Location 2
2.4 Project Components 5
2.5 Project Construction 5
2.6 Construction Schedule 6
2.7 Operations and Maintenance 6
3 – REGULATORY BACKGROUND 6
3.0 United States Army Corps of Engineers 6
3.1 Regional Water Quality Control Board 9
3.2 California Department of Fish and Wildlife 11
4 – METHODS 11
4.0 Literature and Database Review 11
4.1 Aquatic Resources Delineation 12
5 – RESULTS 13
5.0 Environmental Setting 13
5.1 Potentially Jurisdictional Aquatic Features 20
6 – CONCLUSION 35
7 – REFERENCES 35

LIST OF FIGURES

Figure 1: Proposed Project Overview Map 3
Figure 2: Hydrologic Region Map 15

LIST OF TABLES

Table 1: Beneficial Uses of Inland Surface Waters and Reservoirs 19
Table 2: Summary of NRCS Soil Descriptions 21
Table 3: Jurisdictional Non-Wetland Waters and Wetlands within the Survey Area 23
Table 4: Potentially Jurisdictional Non-Wetland Waters within the Survey Area 25

LIST OF ATTACHMENTS

Attachment A: Aquatic Resources Delineation Map
Attachment B: Photograph Log
Attachment C: Antecedent Precipitation Tool Results
Attachment D: Soils Map

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1 – INTRODUCTION

San Diego Gas & Electric Company (SDG&E) has prepared an Aquatic Resource Delineation Report (report) along the Applicant proposed-preferred project alignment. Potentially jurisdictional aquatic resources were identified, assessed and delineated by potential agency jurisdiction of the United States (U.S.) Army Corps of Engineers (USACE), the State Water Resources Control Board (SWRCB), San Diego the Regional Water Quality Control Board (RWQCB), and California Department of Fish and Wildlife (CDFW). All jurisdictional delineations are considered preliminary until reviewed by each agency. This report summarizes the regulatory framework, methods, and results of the delineation of aquatic resources. This report includes discussion of the existing conditions and aquatic resources found within the survey area.

2 – PROJECT DESCRIPTION

2.0 PROJECT OVERVIEW

The San Diego Gas & Electric Company Suncrest 230 Kilovolt (kV) Loop-In Project (Proposed Project) will involve the installation of a double-circuit 230 kV transmission line (proposed 230 kV transmission line), as well as modifications to an existing SDG&E substation (i.e., the Suncrest Substation).

2.1 PROJECT BACKGROUND AND NEED

The California Independent System Operator (CAISO) 2022-2023 Transmission Plan identified the need for the Proposed Project to upgrade the California electric grid to accommodate load growth. The Proposed Project will address CAISO-identified reliability constraints (i.e., operational challenges and thermal overloads) on SDG&E's existing Transmission Line (TL) 23054 and TL23055 from SDG&E's existing Suncrest Substation to the existing Sycamore Canyon Substation, as well as the existing transformers at the existing Suncrest Substation. In addition, the Proposed Project will help supply the increase in forecasted load related to regional electrification. Based on the long-term planning assessments, higher continuous ratings are required for the 230 kV transmission lines out of the existing Suncrest Substation to handle the existing and future load conditions.

2.2 PROJECT OBJECTIVES AND PURPOSE

The primary objective or purpose of the Proposed Project is to address operational challenges and thermal overloads on SDG&E's existing transmission lines from the Suncrest Substation to the Sycamore Canyon Substation, as well as the existing transformers at the Suncrest Substation, as identified by CAISO in its 2022-2023 Transmission Plan. More specifically, the Proposed Project includes the following objectives:

- meet SDG&E's obligation to implement the CAISO-approved project;
- improve system reliability for SDG&E's approximately 3.7 million energy customers as well as the electrical grid as a whole;

- increase capacity to meet the forecasted load demands related to electrification;
- address operational challenges and thermal overloads on SDG&E's existing transmission lines (i.e., TL23054 and TL23055);
- address operational challenges and thermal overloads on existing transformers at SDG&E's existing Suncrest Substation;
- achieve commercial operation by 2032 to timely address critical reliability issues within the transmission system;
- locate the Proposed Project on land adjacent to SDG&E's existing right-of-way or existing utility uses, or otherwise avoid, mitigate, or minimize significant environmental impacts in a manner consistent with prudent transmission planning to the extent practicable;
- construct, operate, and maintain the facility with safety as a top priority;
- maintain compliance with North American Electric Reliability Corporation standards; and
- avoid or mitigate significant adverse impacts to both the environment and community to achieve a project that is designed for the greatest public good and least private injury.

2.3 PROJECT LOCATION

As depicted in Figure 1: Proposed Project Overview Map, the Proposed Project will cross unincorporated communities within San Diego County, California, including private parcels and open space easements. In addition, the Proposed Project will traverse land managed and/or owned by the County of San Diego, United States (U.S.) Forest Service (i.e., Cleveland National Forest [CNF]), Sweetwater Authority, Endangered Habitats Conservancy, and CDFW. One proposed staging yard will be located in the City of El Cajon.

The western end of the Proposed Project route begins on Vista De Montemar in unincorporated San Diego County in an underground configuration. The route continues southeast on Vista De Montemar until reaching La Cresta Road. From there, the route turns east onto La Cresta Road and continues in an easterly direction until reaching Mountain View Road. The route continues in a northeasterly direction on Mountain View Road until turning south onto Al Bahr Road. The route continues on Al Bahr Road until turning east onto Canyon Rim Drive. Following Canyon Rim Drive, the route continues southeast until reaching cross-country terrain, where it switches to an overhead configuration, first entering onto land owned by Sweetwater Authority and then entering the CNF. The route continues through the CNF in a northeasterly direction, switches back to an underground configuration just southwest of the existing Suncrest Substation and then loops into and terminates at the existing Suncrest Substation.

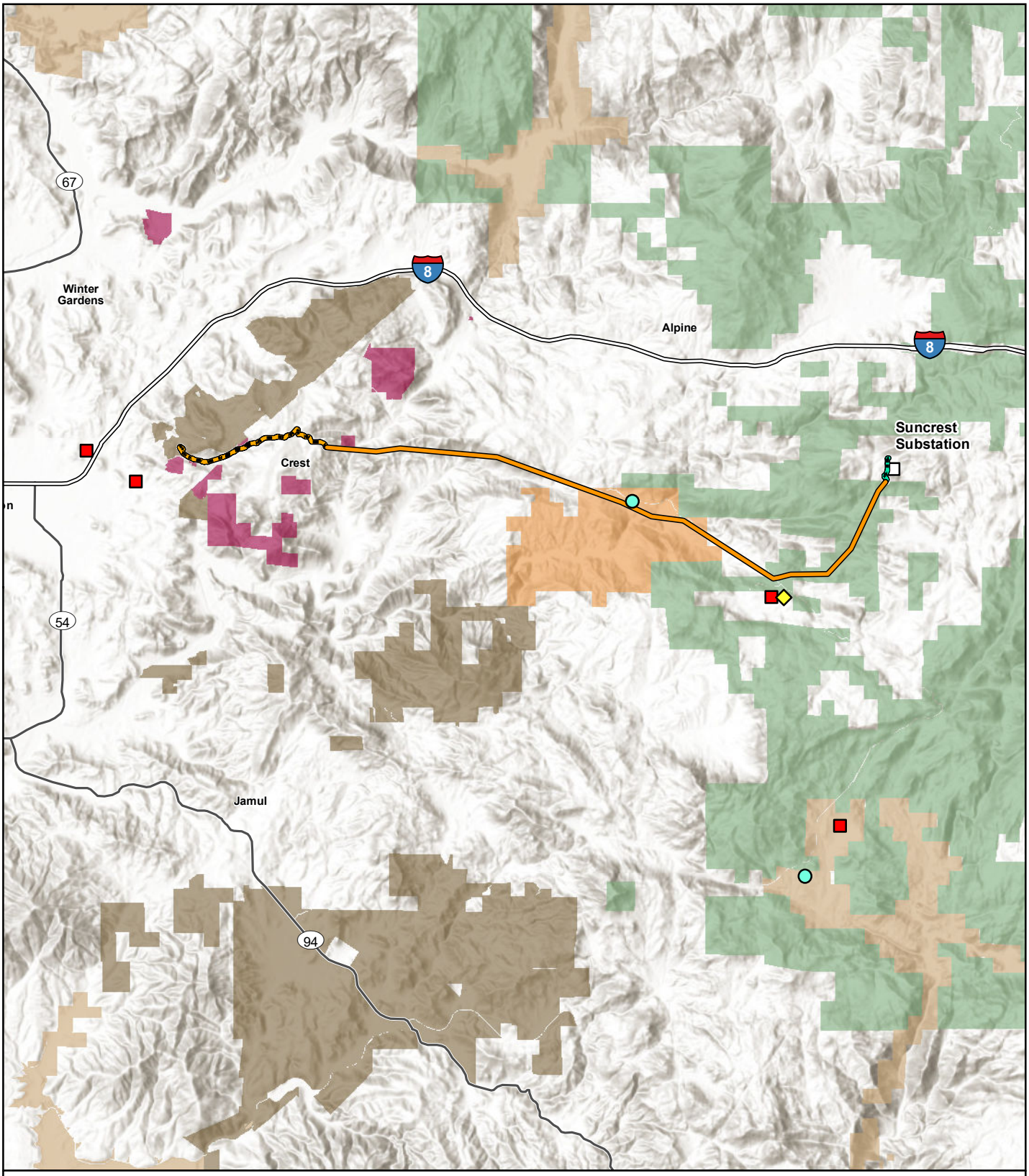

Figure 1: Proposed Project Overview Map — **Suncrest 230 Kilovolt Loop-In Project**

- Existing Suncrest Substation
- Fly Yard
- Staging Yard
- Staging/Fly Yard
- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Proposed 230 kV Western UG Segment
- Interstate
- Major Road/State Highway

Landownership

- California Department of Fish and Wildlife
- City of San Diego
- United States Forest Service
- Endangered Habitats Conservancy
- Sweetwater Authority

1:150,000

0 1 2 Miles

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From the USACE Los Angeles District office, the Proposed Project can be reached by taking California State Route (CA-) 110 South to Interstate (I-) 405. Take the exit toward CA-73 South and then merge onto I-5 South. Continue straight and merge onto I-805 South and then take exit 17B to merge onto I-8 East. Take exit 20 for Greenfield Drive toward Crest for approximately 0.2 mile. Turn left onto La Cresta Road and follow La Cresta Road for approximately 1.9 miles until reaching the Proposed Project located at the decimal degrees of 32.809350, -116.889008.

2.4 PROJECT COMPONENTS

The Proposed Project includes the following main components:

- Construction of a proposed approximately 14.5 mile-long, double-circuit 230 kV transmission line segment consisting of overhead and underground configurations as described previously to loop-in SDG&E's existing TL23021 to the Suncrest Substation.

- Modifications inside the existing Suncrest Substation, which include the following:

  - installation of a 500/230 kV transformer bank and associated tertiary reactors, circuit breakers, disconnects, and communication equipment; and
  - construction of a 230 kV bay to accommodate the loop-in of TL23021 to the existing Suncrest Substation.

2.5 PROJECT CONSTRUCTION

The overhead portions of the transmission line will first require permanent access roads, permanent walking paths, or permanent helicopter takeoff and landing zones to be established at each structure location where current access does not exist. In addition, each structure location will require a temporary work area to facilitate construction, as well as a permanent work area to accommodate the permanent footprint of the structure. This process will involve vegetation clearing and blading, as required to create a flat area to facilitate construction. For the overhead structures, one or more foundations for each structure will be constructed prior to the erection of tower structures or monopoles. Lastly, the conductors and optical ground wires will be strung along the transmission line alignment. Following construction, a portion of land surrounding the proposed structures and some access roads will remain clear of vegetation to facilitate future inspection and operation and maintenance (O&M).

The underground portion of the transmission line will include the installation of duct banks and utility vaults using open-cut trenching techniques, unless alternate methods (e.g., horizontal directional drilling) are required to cross existing facilities or sensitive resources. After installation of the duct banks, cable segments will be pulled into the duct banks, spliced at each of the vaults along the route as required, and terminated at the transition where the lines convert to overhead. At each end of the proposed 230 kV underground segment, the cables will rise out of the ground and terminate at cable poles to connect to the overhead portions of the transmission line. Following the completion of construction activities, the open trenches will subsequently be backfilled, paved or returned to pre-existing grade and contours, as practicable. Restoration activities will be conducted in accordance with negotiated agreements with landowners and in compliance with applicable permits.

Modifications to the existing Suncrest Substation will be conducted within the existing substation property and will not require expansion of the facility. Following the completion of the modifications at the substation, testing and commissioning will be conducted before energization.

The Proposed Project will also require the establishment of temporary staging/fly yards, temporary stringing sites, temporary guard structures, and temporary construction work areas for use during construction. All temporarily impacted areas will be restored to near pre-construction grade and contours as practicable after work is complete. Restoration activities will be conducted in accordance with negotiated agreements with landowners and in compliance with applicable permits.

2.6 CONSTRUCTION SCHEDULE

Construction is anticipated to occur in two phases: construction of the proposed 230 kV transmission line and modifications to the existing Suncrest Substation. Construction of the proposed 230 kV transmission line is anticipated to begin in 2027. Modifications to the existing Suncrest Substation are anticipated to begin in 2028. Construction is anticipated to occur year-round or as authorized by permits and authorizations. Per the CAISO technical specifications, the Proposed Project is required to be energized by 2032.

2.7 OPERATIONS AND MAINTENANCE

SDG&E will conduct ongoing O&M of all Proposed Project components. These planned activities will involve regular inspections of facilities, repairs on an as-needed basis, and the maintenance of transmission line rights-of-way. O&M will be incorporated into SDG&E's existing programs with existing equipment, experienced staff, and contractors. SDG&E's local maintenance/technical staff and outside resources will respond to maintenance issues and emergency situations.

3 – REGULATORY BACKGROUND

3.0 UNITED STATES ARMY CORPS OF ENGINEERS

The purpose of the CWA is to "restore and maintain the chemical, physical, and biological integrity of the nation's waters." Section 404 of the CWA establishes a permitting program to regulate the discharge of dredged or fill material into waters of the U.S., which includes jurisdictional wetlands. A permit is required from the USACE before dredged or fill material may be discharged into waters of the U.S. Permit applicants must demonstrate that the activities have been designed to avoid and minimize impacts to wetlands, streams, and other aquatic resources to the extent practicable; and where avoidance and minimization are not possible, compensation may be required that is equivalent to or greater than the impacts to aquatic resources.

Activities under the program include, but are not limited to fill for development, water resource projects, infrastructure development, and mining projects. Certain activities, as listed in Section 404(f), are exempt from regulation. The USACE has jurisdiction over waters of the U.S. and administers Section 404 with support from the U.S. Environmental Protection Agency (EPA).

The USACE has the following roles and responsibilities:

- administers Section 404 of the CWA,
- issues individual or general permit decisions,
- conducts or verifies jurisdictional determinations,
- develops policy and guidance, and
- enforces Section 404 permit provisions.

The EPA has the following roles and responsibilities:

- develops and interprets policy, guidance, and environmental criteria used in evaluating permit applications;
- determines the scope of geographic jurisdiction and the applicability of exemptions;
- approves and oversees state and tribal assumption;
- reviews and comments on individual permit applications;
- has authority to prohibit, deny, or restrict the use of any defined area as a disposal site under Section 404(c);
- can request that certain permit or policy decisions receive a higher level of review per Section 404(q); and
- enforces Section 404 provisions.

An initial step in the permitting process under Section 404 is to develop a preliminary jurisdictional delineation (PJD). During this step, the permit applicant delineates waters of the U.S. on the property(s) where activities are proposed. After verification and approval by the regulatory agencies, the approved jurisdictional determination (AJD) states the presence or absence of waters of the U.S. on a property(s) and identifies the limits of waters of the U.S. During the delineation process, delineators must consider the definition of "waters of the U.S." which has been refined over the past several years. In a recent Supreme Court case, *Sackett v. EPA* (Sackett) clarified the definition of waters of the U.S. in the context of "adjacent wetlands." The Supreme Court has the following two-part test for "adjacent wetlands":

1. the body of water to which the wetland is connected is a "relatively permanent body of water" that is hydraulically connected to traditional navigable waters (TNWs); and
2. the wetland has a "continuous surface connection with that [connected] water, making it difficult to determine where the 'water' ends and the wetland begins."

The Sackett decision rejected the agencies' "jurisdiction over wetlands 'adjacent' to non-navigable tributaries when those wetlands had 'a significant nexus to a traditional navigable water.'" On August 29, 2023, the EPA and USACE issued a final rule to amend the 2023 waters of the U.S. definition to be consistent with the Supreme Court's decision. The revised definition became effective on September 8, 2023 (EPA and USACE 2023).

Under the revised final rule following the Sackett decision, the EPA now defines waters of the U.S. as follows in Title 40, Section 120.2(a) of the Code of Federal Regulations (CFR):

1. Waters which are:

    a. currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
    b. the territorial seas; or
    c. interstate waters.

2. Impoundments of waters otherwise defined as waters of the U.S. under this definition, other than impoundments of waters identified under paragraph (a)(5) of this section.

3. Tributaries of waters identified in paragraph (a)(1) or (2) of this section that are relatively permanent, standing, or continuously flowing bodies of water.

4. Wetlands adjacent to the following waters:

    a. waters identified in paragraph (a)(1) of this section; or

    b. relatively permanent, standing, or continuously flowing bodies of water identified in paragraph (a)(2) or (a)(3) of this section and with a continuous surface connection to those waters.

5. Intrastate lakes and ponds not identified in paragraphs (a)(1) through (4) of this section that are relatively permanent, standing, or continuously flowing bodies of water with a continuous surface connection to the waters identified in paragraph (a)(1) or (a)(3) of this section.

Title 40 CFR section 120.2(c) defines "wetlands" as "those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions." Three parameters—hydrophytic vegetation, hydric soils, and wetland hydrology—must be present to classify an area as a USACE-jurisdictional wetland under normal circumstances. Title 33 CFR Part 329 provides the regulatory framework for the USACE and defines "navigable waters" as follows:

- Ocean and Coastal Waters: The limit of jurisdiction in the territorial seas is measured from the baseline in a seaward direction for a distance of three nautical miles.

- Tidal Waters of the U.S.: The landward limits of jurisdiction in tidal waters extend to the following:

    - the high tide line, or
    - the limits as identified in non-tidal waters of the U.S. when adjacent to non-tidal waters of the U.S.

- Non-Tidal Waters of the U.S.: The limits of jurisdiction in non-tidal waters extend to the following:

    - the ordinary high water mark (OHWM) in the absence of adjacent wetlands,
    - beyond the OHWM to the limit of adjacent wetlands when such wetlands are present, and
    - the limit of the wetland when the waters of the U.S. consist only of wetlands.

The application of EPA and USACE guidance results in a formalized oversight process involving both agencies in the adoption of AJDs as defined in 33 CFR Section 331.2. The intent of this formal process is to ensure consistency in how the agencies interpret the rulings and guidance at all levels. The USACE issued Regulatory Guidance Letter No. 08-02 on the subject of jurisdictional determinations (USACE 2008a) to institute the program by which jurisdictional determinations are made. This guidance creates a distinction between an applicant's request for a PJD and an AJD. If an applicant pursues a PJD, the determination will be inclusive of all features that have historically been regulated by the USACE under Section 404 of the CWA and Sections 9 and 10 of the Rivers and Harbors Appropriation Act of 1899. A PJD excludes exempted jurisdictional waters, but not those excluded by court ruling interpretations. An AJD provides a more thorough evaluation of issues of isolation and adjacency as contemplated by the courts and excludes from USACE regulation any areas that fail to meet the necessary litmus tests of the court decision and the agencies' implementation guidance.

On November 20, 2025, the EPA and USACE published in the Federal Register a proposed updated definition of waters of the U.S. (WOTUS) under the CWA to align with the 2023 Supreme Court decision in *Sackett v. EPA*. The updated definition of WOTUS focuses federal jurisdiction on relatively permanent, standing, or continuously flowing waters and wetlands that have a continuous surface connection.. Additionally, updates to the definition include removing interstate waters as a standalone jurisdictional category, adding an explicit groundwater exclusion, and simplifying or broadening several exclusions, collectively reducing the range of wetlands, tributaries, ditches, and other features that qualify as WOTUS and are subject to federal permitting, particularly under CWA Section 404 (EPA and USACE 2025).

3.1 REGIONAL WATER QUALITY CONTROL BOARD

3.1.0 Section 401 of the Clean Water Act

Under Section 401 of the CWA, states and authorized tribes collaborate with federal agencies to protect the water quality of waters of the U.S. within their borders. The SWRCB and the RWQCBs generally regulate activities in waters of the state—including wetlands—through Section 401 of the CWA (SWRCB 2021). While the USACE administers permitting programs that authorize impacts to waters of the U.S., any USACE permit authorized for a proposed project will be invalid unless the RWQCB has issued a project-specific water quality certification (WQC) or waiver of water quality. A WQC requires a finding by the RWQCB that the activities permitted by the USACE will not violate water quality standards individually or cumulatively over the term of the issued USACE permit. The Proposed Project is under the jurisdiction of RWQCB Region 9 – San Diego.

3.1.1 Porter-Cologne Water Quality Control Act

The Porter-Cologne Water Quality Control Act (California Water Code § 13260) requires "any person discharging waste, or proposing to discharge waste, within any region that could affect the waters of the State to file a report of discharge" with the RWQCB through an application for waste discharge (California Water Code § 13260[a][1]). The term "waters of the state" is defined as any surface water or groundwater, including saline waters, within the boundaries of the state (California Water Code § 13050[e]).

In April 2020, the SWRCB released the following implementation guidance that includes an updated definition of waters of the state (SWRCB 2020):

> "California Code of Regulations, title 23, section 3831(w) states that '[a]ll waters of the United States are also 'waters of the state.' This regulation has remained in effect despite Supreme Court decisions such as Rapanos and Solid Waste Agency of Northern Cook County (SWANCC), which added limitations to what could be considered a water of the U.S. Therefore, the regulation reflects the Water Boards intent to include a broad interpretation of waters of the United States into the definition of waters of the state. Waters of the state includes features that have been determined by the U.S. EPA or the U.S. Army Corps of Engineers to be 'waters of the U.S.' in an approved jurisdictional determination; 'waters of the U.S.' identified in an aquatic resource report certified by the Corps upon which a permitting decision was based; and features that are consistent with any current or historic final judicial interpretation of 'waters of the U.S.' or any current or historic federal regulation defining 'waters of the U.S.' Because the interpretation of waters of the U.S. in place at the time section 3831(w) was adopted was broader than any post-Rapanos or post-SWANCC regulatory definitions that incorporated more limitations into the scope of federal jurisdiction, it is consistent with the Water Boards' intent to include both historic and current definitions of waters of the United States into the Water Boards' wetland jurisdictional framework."

The RWQCB generally considers filling in waters of the state to be pollution. Pollution is defined as an alteration of the quality of the waters of the state by waste that unreasonably affects its beneficial uses (California Water Code § 13050[1]). To determine whether a project should be regulated pursuant to the Porter-Cologne Water Quality Control Act, the RWQCB's litmus test is if the action could result in any threat to water quality.

State Wetland Definition

Pursuant to the Porter-Cologne Water Quality Control Act, the RWQCB also regulates "isolated wetlands," or those wetlands considered to be outside of the USACE's jurisdiction, pursuant to the SWANCC decision. In 2019, the SWRCB further defined which wetlands are considered waters of the state in the *State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State* (Procedures). The Procedures became effective on May 28, 2020 (SWRCB 2021). According to the Procedures, an area is a wetland if it meets the following three criteria:

- The area has continuous or recurrent saturation of the upper substrate caused by groundwater, or shallow surface water, or both.

- The duration of such saturation is sufficient to cause anaerobic conditions in the upper substrate.
- The area's vegetation is dominated by hydrophytes, or the area lacks vegetation.

3.2 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE

3.2.0 California Fish and Game Code Section 1600

Sections 1602 of the California Fish and Game Code require that a Notification of Lake or Streambed Alteration Agreement (LSAA) application must be submitted to the CDFW for "any activity that may substantially divert or obstruct the natural flow or substantially change the bed, channel, or bank of any river, stream, or lake." The CDFW defines a stream, including creeks and rivers, as a "body of water that flows at least periodically or intermittently through a bed or channel having banks and supports fish or other aquatic life." A stream includes watercourses with a surface or subsurface flow that supports or has supported riparian vegetation (Title 14, Section 1.72). The CDFW's definition of lakes include natural lakes or man-made reservoirs (Title 14, Section 1.56). Areas within CDFW jurisdiction include riparian habitats associated with watercourses, where "riparian habitat" is not defined in Title 14, Section 1.72 but typically refers to vegetation associated with a stream channel.

4 – METHODS

4.0 LITERATURE AND DATABASE REVIEW

Prior to conducting fieldwork, Insignia Environmental (Insignia) biologists reviewed the following resources:

- U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) data (USFWS 2025a),
- U.S. Geological Survey (USGS) National Hydrography Dataset data (USGS 2025),
- SanGIS Hydrology data (SanGIS 2025),
- color aerial photographs (both recent and past) of the survey area and surrounding area,
- Natural Resources Conservation Service (NRCS) Web Soil Survey (NRCS 2024),
- Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (FEMA 2025),
- USFWS Information for Planning and Consultation database (USFWS 2025b) to determine the survey area's proximity to USFWS-designated critical habitat,
- USGS topographic maps,
- USACE Antecedent Precipitant Tool (APT) (USACE 2025) to determine long-term climatic conditions, and
- Applied Climate Information System (ACIS) Weather, Evapotranspiration, and Temperature Summary (WETS) Alpine Station (ACIS 2025).

The database review was conducted to determine if any aquatic resources had been previously mapped or otherwise documented in the survey area, as well as to compile a list of features to verify in the field.

4.1 AQUATIC RESOURCES DELINEATION

Insignia biologists (i.e., Brian Cropper, Cloe Hentz, Jim Pawlicki, Kevin Kilpatrick, Kelly Otto, Leison Bernstein, and Matt Bristol) conducted aquatic resource delineations during an initial habitat assessment between April 2 and July 18, 2025, which included mapping vegetation and non-wetland and wetlands waters, as described in the following subsections. The survey area included a 150-foot buffer around the centerline of the proposed transmission line route, resulting in an approximately 300-foot-wide corridor. The survey area totaled 577.60 acres and is depicted in Attachment A: Aquatic Resources Delineation Map.

4.1.0 Non-Wetland Waters Mapping

Insignia biologists used guidance from *A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States: A Delineation Manual* (USACE 2008a) to identify an OHWM and determine the location and size of non-wetland waters potentially under the jurisdiction of the USACE, RWQCB, and CDFW. In addition, the overall landforms, slopes, and climatic and hydrologic conditions were assessed. All potential features within the survey area were evaluated to identify connections to on-site and off-site aquatic resources that could impact the jurisdiction of the feature (e.g., TNWs or perennial or intermittent features), including mapping culverts and following features downstream when possible. Flow regimes were determined based on indicators in the Arid West Stream Duration Assessment Method, including the presence of hydrophytes, aquatic invertebrates, and algae; and single and secondary indicators, including channel width, slope, and substrate. Top of bank (TOB) and OHWM measurements were recorded by walking the centerline of each feature and buffering to the distance of the TOB and OHWM on each side of the centerline. Data points were collected along the feature at locations where changes to TOB and OWHM measurements occurred to confirm that the mapping accurately reflected the contours of each feature. Additionally, the limits of riparian vegetation, where present, were recorded for each feature to assess the areas that may be under the jurisdiction of the CDFW. Finally, during the field delineation, all existing culverts within the survey area were identified and mapped through a combination of field reconnaissance, review of aerial imagery, and topographic maps. Observations included the location and type of culvert, and their positions were plotted in Attachment A: Aquatic Resources Delineation Map.

Photographs were taken for each feature to record downstream and upstream conditions and OHWM indicators, which are included in Attachment B: Photograph Log. Evidence supporting the delineation of each potentially jurisdictional feature was recorded using a mobile data collection platform that reflected the USACE Arid West Ephemeral and Intermittent Stream OHWM Data Sheet.

As depicted in Attachment A: Aquatic Resources Delineation Map, portions of the survey area that could not be accessed (e.g., properties where landowner access was not approved, or areas that were too steep or densely vegetated to safely walk) were observed, to the extent possible, from all accessible perimeters and/or with the use of binoculars. For these portions of the survey area, this report relies on a desktop review using the NWI dataset.

4.1.1 Wetland Mapping

Insignia biologists surveyed for wetlands under the jurisdiction of the USACE, RWQCB, and CDFW within the survey area. For an area to be defined as a wetland under normal circumstances, the USACE's routine on-site determination methods call for determining the presence of hydrophytic vegetation, hydric soils, and wetland hydrology. A review of available resources, including the NWI and recent aerial imagery, was performed to identify any mapped or potential wetland features within the survey area. During the field surveys, the survey area was surveyed for indicators of wetland hydrology, and hydrophytic vegetation; however, hydric soils were assessed only during desktop review as soil samples were not completed. Based on the desktop review and field surveys, Insignia biologists mapped wetlands based on hydrophytic vegetation and wetland hydrology indicators, if present.

4.1.2 Global Positioning System Data Collection

Aquatic resources data were mapped using a Trimble DA2-BT Global Positioning System (GPS) unit with submeter accuracy. A data model within the GPS software verified consistent data collection in the field. All spatial data was collected in the North American Datum 1983 State Plane California zone 6 coordinate system.

4.1.3 Survey Limitations

Some portions of the Proposed Project were not accessed during the field surveys due to either the lack of landowner access permissions or unsafe terrain. Therefore, these areas were not physically surveyed in the field. Areas that were inaccessible due to landowner access permissions occur on 13 parcels located throughout the survey area. Areas that were physically not traversable are located within the remote portions of CNF lands on the eastern side of the survey area. Areas that were not assessed in the field are depicted in Attachment A: Aquatic Resources Delineation Map. These inaccessible areas were assessed with binoculars from nearby vantage points while in the field and via a desktop review as described in Section 4.0 Literature and Database Review. Soil sample pits were not completed. As project engineering and alignment is finalized, additional aquatic resource delineation may occur within the survey area and/or features identified during the desktop review may be updated to field conditions.

5 – RESULTS

5.0 ENVIRONMENTAL SETTING

The survey area is located within the USGS 7.5-minute series topographic quadrangles for El Cajon, Alpine, and Viejas Mountain. Ground surface elevations throughout the survey area range from 800 to 3,000 feet above mean sea level (AMSL). The highest points within the survey area exist around the existing Suncrest Substation and the surrounding ridgelines around the northeastern extent of the Proposed Project. Elevation gradually decreases to approximately 800 feet AMSL as the Proposed Project meanders down the ridgelines toward the southwest, before increasing again in the westernmost portions of the survey area. The northeastern portion of the survey area that is located within the CNF primarily consists of steep slopes composed of undeveloped, native vegetation communities. Anthropogenic disturbance in this portion of the survey area is low and is mostly contained to the existing Suncrest Substation and associated

infrastructure. As the survey area continues southwest, rural and suburban development increases as evidenced by increased housing density.

The Alpine weather station, located in the City of Alpine, is the closest active weather station to the survey area. From January 1995 to present, this weather station has recorded an annual average precipitation of 13.3 inches, with the majority of precipitation falling between November and March. As of July 18, 2025, when the jurisdictional delineation survey was performed, the total precipitation in the area was 9.64 inches, approximately 7.22 inches less than the total precipitation in the area in July 2024 (ACIS 2025). The survey was performed in wetter than normal conditions during a severe drought within the dry season (National Integrated Drought Information System [NIDIS] 2025, USACE 2025). The results of the APT query are provided in Attachment C: Antecedent Precipitation Tool Results. The average annual temperatures range from 30 to 104 degrees Fahrenheit (ACIS 2025).

5.0.0 Critical Habitat

USFWS-designated critical habitat for arroyo toad (*Anaxyrus californicus*) and Hermes copper butterfly (*Lycaena hermes*) is located within the survey area. In total, the proposed alignment will cross 0.76 mile of arroyo toad critical habitat. The survey area overlaps 27.57 acres of arroyo toad critical habitat, which is associated with Taylor Creek and Sweetwater River, where these features flow into the eastern portion of Loveland Reservoir.

In total, the proposed alignment will cross 3.11 miles of Hermes copper butterfly critical habitat, and the survey area overlaps 129.57 acres of Hermes copper butterfly critical habitat. Hermes copper butterfly critical habitat overlaps the survey area at four discrete locations throughout the survey area: within Endangered Habitats Conservancy, a non-profit organization; within private lands along La Cresta Road, within the Sweetwater Preserve northeast of Loveland Reservoir; and within CNF lands along Japatul Road and in the vicinity of the existing Suncrest Substation.

5.0.1 Hydrology

As depicted in Figure 2: Hydrologic Region Map, the survey area lies within the Lower San Diego River (hydrologic unit code[HUC] 1807030407), Lower Sweetwater River (HUC 1807030409), Upper Sweetwater River (HUC 1807030408), and Upper Cottonwood Creek (HUC 1807030509) watersheds (USGS 2025). These watersheds are located within the San Diego (HUC 18070304) and Cottonwood-Tijuana (HUC 18070305) subbasins (USGS 2025). The Lower San Diego River Watershed encompasses the western portion of the survey area along La Cresta Road. The Lower Sweetwater River Watershed encompasses the central portion of the survey area from La Cresta Road to Loveland Valley Reservoir to the east. The Upper Sweetwater River Watershed encompasses the eastern portion of the survey area from Loveland Reservoir to the existing Suncrest Substation to the northeast. The survey area is located within the USACE's Los Angeles District.

Hydrology within the portion of the survey area that overlaps the Lower San Diego River Watershed is characterized by predominately ephemeral features that generally flow toward the south and drain into Forester Creek. These features primarily collect runoff from the surrounding hillsides to the north of the survey area, as well as surface flows from developed areas and

Figure 2:
Hydrologic Region Map

Suncrest
230 Kilovolt Loop-In Project

- Fly Yard
- Staging Yard
- Staging Yard/Fly Yard
- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Proposed 230 kV Western UG Segment
- Existing Suncrest Substation
- Subbasin (HUC 8)
- Watershed (HUC 10)

Lake Jennings Park
Upper San Diego River (HUC 1807030405)
Lower San Diego River (HUC 1807030407)
San Diego (HUC 18070304)
Upper Sweetwater River (HUC 1807030408)
Loveland Reservior
Lower Sweetwater River (HUC 1807030409)
Pine Valley Creek (HUC 1807030508)
Cottonwood-Tijuana (HUC 18070305)
Otay River (HUC 1807030410)
Upper Cottonwood Creek (HUC 1807030509)

Cleveland National Forest
San Diego
Tijuana

1:80,000
0 1 2 Miles

SDGE

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roadways. Irrigation of landscaped/ornamental vegetation around residences in these developed areas may contribute to surface flows of nearby features. Forester Creek crosses the survey area in two locations, but mostly meanders to the south of the survey area where it flows toward the west. Forester Creek is a tributary to the San Diego River, which is designated as a TNW by the USACE (USACE 1972).

Within the portion of the survey area that overlaps the Lower Sweetwater River Watershed, hydrology is characterized by predominately ephemeral features that generally flow to the east, west, and north toward a perennial stream located within Harbison Canyon. This stream is a tributary to the Sweetwater River. To the east of Harbison Canyon, ephemeral and intermittent features flow south toward the North Fork Sweetwater River, which flows to the southeast before its confluence with the Sweetwater River. The Sweetwater River is designated as a TNW by the USACE (USACE 1976). Irrigation of landscaped/ornamental vegetation around residences may contribute to surface flows of nearby features and eventually reach Harbinson Canyon and the Sweetwater River.

Within the portion of the survey area that overlaps the Upper Sweetwater River Watershed, the Sweetwater River and Taylor Creek cross the survey area and flow toward the south and southeast, respectively, before entering Loveland Reservoir. Farther east of Taylor Creek, ephemeral features generally flow toward the south and southeast. Just east of Japatul Road, Taylor Creek crosses the survey again, flowing toward the north. Between this upstream crossing of Taylor Creek and the existing Suncrest Substation, ephemeral, intermittent, and perennial features generally flow east and eventually into Taylor Creek outside the survey area. The existing Suncrest Substation was built atop previously mapped NWI streams, and hydrology has been altered from the previously existing conditions as a result. Runoff from the substation and surrounding hillsides travels through man-made, concrete-lined drainage ditches that feed two large retention basins to the southeast and east of the substation. These retention basins drain to subterranean storm water infrastructure. Outflows from these features eventually drain into natural ephemeral features outside the survey area. Therefore, the concrete-line drainage ditches are connected downstream to potentially jurisdictional features. Additional inputs into this portion of the survey area from anthropogenic sources are limited as a majority of the survey area in this portion consists of undeveloped, natural lands.

A total of 38 NWI features exist within portions of the survey area that were not accessed on foot. These features are hydrologically similar to other features within the survey area and include mostly ephemeral features. Taylor Creek also exists within the areas not accessed on foot, which was determined to be an intermittent stream in the reach that was surveyed. However, flow regimes were not definitively determined as field indicators could not be directly observed. Similarly, these features were not assigned unique identifiers and are not included in calculations of jurisdictional area.

The survey area is located within the regional boundary for the Water Quality Control Plan for the San Diego Region (San Diego Basin Plan) (RWQCB 2021). The San Diego Basin Plan contains the water quality objectives, policies, regulations, and implementation programs for the protection of surface and ground waters within the San Diego Region. The Basin Plan describes the beneficial uses that each water body supports and are the basis for San Diego Water Board regulatory actions. Inland surface waters and reservoirs within the survey area with beneficial uses identified in the Basin Plan are detailed in Table 1: Beneficial Uses of Inland Surface Waters and Reservoirs.

Flood Conditions

The FEMA maps the 100-year floodplain in the U.S. (i.e., areas with an annual flooding probability that is greater than one percent) (FEMA 2025). The one-percent annual-chance flood also is referred to as the base flood or 100-year flood, and the area is labeled as a FEMA Zone A type on a Flood Insurance Rate Map (FIRM). Moderate flood hazard areas, labeled Zone B or Zone X, are also shown on the FIRM and are the areas between the limits of the base flood and the 0.2-percent annual-chance flood (or 500-year flood).

According to the FEMA National Flood Hazard Layer, the proposed 230 kV OH segment will cross a portion of the FEMA Zone AE along Harbison Canyon Road (FEMA 2025). Zone AE corresponds to a 100-year flood zone that is based on the base flood elevation, as determined by detailed flood studies. No other Proposed Project components will cross a designated FEMA Flood Hazard Zone.

5.0.2 Vegetation

The following 14 vegetation communities were identified within the survey area:

- agriculture,
- buckwheat scrub,
- chaparral,
- coast live oak riparian forest,
- coastal sage scrub,
- coastal sage/chaparral mix,
- landscaped/ornamental,
- non-native grassland,
- non-vegetated,
- open Engelmann oak woodland,
- open oak woodland,
- riparian forest,
- riparian woodland, and
- disturbed habitat.

Three land cover types—bare ground, developed, and concrete lined channel—were also identified within the survey area. The Proposed Project's Biological Resources Technical Report (Insignia 2026) depicts the vegetation communities and land covers located within the survey area and provides a more detailed description of each. Vegetation communities were mapped based on habitats described in Section 3.2 of SDG&E's Habitat Conservation Plan Amendment (SDG&E 2023). Coast Live Oak Riparian Forest, Riparian Forest, and Riparian Woodland were considered riparian habitat and potentially under the jurisdiction of the CDFW when directly associated with drainage features.

5.0.3 Soils

The NRCS Web Soil Survey was used to provide information on soil permeability, drainage, parent material, and soil type to better understand the soil properties within the survey area. Soils mapped within the survey area are depicted in Attachment D: Soils Map and summarized in

Table 1: Beneficial Uses of Inland Surface Waters and Reservoirs

Inland Surface Waters	Municipal and Domestic Supply	Agricultural Supply	Industrial Service Supply	Industrial Process Supply	Ground Water Recharge	Freshwater Replenishment	Hydropower Generation	Contact Water Recreation	Non-contact Water Recreation	Preservation of Biological Habitats of Special Significance	Warm Freshwater Habitat	Cold Freshwater Habitat	Wildlife Habitat	Rare, Threatened, or Endangered Species	Spawning, Reproduction, and/or Early Development
Sweetwater River Watershed															
Sweetwater River	Y	Y	Y	Y	--	--	--	Y	Y	--	Y	Y	Y	--	Y
Loveland Reservoir	Y	Y	Y	Y	--	--	--	Y	Y	--	Y	Y	Y	--	--
Taylor Creek	Y	Y	Y	Y	--	--	--	Y	Y	--	Y	--	Y	--	--
Harbison Canyon	Y	Y	Y	Y	--	--	--	Y	Y	--	Y	--	Y	--	--
San Diego River Watershed															
Forester Creek	P	--	Y	--	--	--	--	Y	Y	--	Y	--	Y	--	--

Source: RWQCB (2025)
Note: "Y" indicates existing beneficial use. "P" indicates potential beneficial

Table 2: Summary of NRCS Soil Descriptions (NRCS 2025b). Soil conditions observed during the field surveys are consistent with the results on the NRCS Web Soil Survey. Soils were determined to be predominantly sandy, often located on steep slopes that appeared to be well drained. One soil (i.e., Riverwash) within the survey area is classified as hydric or has the potential to contain hydric inclusions. Soil sample pits were not completed within the study area due to the preliminary engineering design avoiding impacts to aquatic resources and lack of access permission; further analysis may be completed, as needed, once engineering design has progressed.

5.1 POTENTIALLY JURISDICTIONAL AQUATIC FEATURES

In total, 107 potentially jurisdictional features—including two potential wetland features, 89 ephemeral features, 14 intermittent features, and two perennial features—were mapped within the survey area; these potentially jurisdictional features are depicted in Attachment A: Aquatic Resources Delineation Map and representative photographs are provided in Attachment B: Photograph Log. Table 3: Jurisdictional Non-Wetland Waters and Wetlands within the Survey Area provides a summary of the anticipated jurisdictional area by agency and feature type. Potential wetlands were identified within the survey area near the Loveland Reservoir due to the dominance of hydrophytic vegetation and/or wetland hydrology (i.e., inundation visible on aerial imagery). Soil analysis was not completed since these features are not located within Proposed Project work areas and/or due to lack of access permission.

Table 4: Potentially Jurisdictional Non-Wetland Waters within the Survey Area provides a more detailed description of the jurisdictional non-wetland features that were identified, including a unique feature identification number, hydrologic regime, dimensions and/or area of each feature, and an assessment of agency jurisdiction.

As discussed in Section 5.0.1 Hydrology, most of the features identified within the survey area are tributaries to or include segments of Forester Creek, Taylor Creek, North Fork Sweetwater River, and Sweetwater River. Eighteen aquatic features are potentially under the jurisdiction of the USACE. All features mapped are potentially under the jurisdiction of the RWQCB, and all natural features exhibiting natural channel morphology that support fish and wildlife are potentially under the jurisdiction of CDFW.

Aquatic features potentially under the jurisdiction of the USACE include potential wetland (W-) 01 and W-02; and Jurisdictional Drainage (JD-) 001 through JD-004, JD-020, JD-035, JD-039, JD-040, JD-041, JD-045, JD-052, JD-055, JD-061, JD-064, JD-087, and JD-088 due to their ability to support relatively permanent flows and their hydrologic connectivity to TNWs. Specifically, Forester Creek (JD-001 through JD-004) collects flows from ephemeral features higher in the watershed and exhibits a well-defined bed and bank, as well as OHWM indicators that include distinct changes in vegetation and shelving. Evidence of sustained flow includes scour. Flows within Forester Creek travel to the west before exiting the survey area and becoming channelized just east of I-8. Forester Creek then generally flows parallel to I-8 until its confluence with the San Diego River. These features are potentially under the jurisdiction of the RWQCB and CDFW as well.

Table 2: Summary of NRCS Soil Descriptions

Map Unit Symbol	Soil Series	NRCS-Listed Hydric Soil (Yes/No)	Water Drainage	Material	Drainage and Permeability
AcG	Acid igneous rock land	No	Not Applicable (N/A)	Acid igneous rock	Very rapid runoff, very low permeability
CIG2	Cieneba course sandy loam, 30 to 65 percent slopes, eroded	No	Somewhat excessively drained	Residuum weathered from granodiorite	Low to rapid runoff, moderately low permeability
CmrG	Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony	No	Somewhat excessively drained	Residuum weathered from quartz-diorite	Low to rapid runoff, moderately low permeability
CnE2	Cieneba-Fallbrook rocky sandy loam, 30 to 65 percent slopes, eroded	No	Somewhat excessively drained	Residuum weathered from granite and granodiorite	Low to rapid runoff, moderately low permeability
FaD2	Fallbrook sandy loam, nine to 15 percent slopes, eroded	No	Well drained	Residuum weathered from granodiorite	Rapid runoff, moderately high permeability
FaE2	Fallbrook rocky sandy loam, 15 to 30 percent slopes, eroded	No	Well drained	Residuum weathered from granodiorite	Rapid runoff, moderately high to high permeability
FaE	Fallbrook rocky sandy loam, nine to 30 percent slopes	No	Well drained	Residuum weathered from granodiorite	Rapid runoff, moderately high to high permeability
FaE2	Fallbrook rocky sandy loam, nine to 30 percent slopes, eroded	No	Well drained	Residuum weathered from granodiorite	Rapid runoff, moderately high to high permeability
FvD	Fallbrook-Vista sandy loam, 15 to 30 percent slopes	No	Well drained	Residuum weathered from granodiorite	Rapid runoff, moderately high permeability
RaD2	Ramona sandy loam, nine to 30 percent slopes, eroded	No	Well drained	Alluvium derived from granite	Rapid runoff, moderately high permeability
Rm	Riverwash	Yes	Excessively drained	Sandy, gravelly, or cobbly alluvium derived from mixed sources	Very slow runoff, high to very high permeability
VaC	Visalia sandy loam, five to nine percent slopes	No	Well drained	Alluvium derived from igneous and metamorphic rock	Slow runoff, moderately high to high permeability

Map Unit Symbol	Soil Series	NRCS-Listed Hydric Soil (Yes/No)	Water Drainage	Material	Drainage and Permeability
VsD2	Vista course sandy loam, nine to 15 percent slopes	No	Well drained	Residuum weathered from granodiorite and quartz-diorite	Slow runoff, high permeability
VsG	Vista course sandy loam, 30 to 65 percent slopes	No	Well drained	Residuum weathered from granodiorite and quartz-diorite	Moderately slow runoff, very low to low permeability
VvE	Vista rocky coarse sandy loam, 15 to 30 percent slopes	No	Well drained	Residuum weathered from granodiorite and quartz-diorite	Moderately slow runoff, high permeability
VvG	Vista rocky coarse sandy loam, 30 to 65 percent slopes	No	Well drained	Residuum weathered from granodiorite and quartz-diorite	Moderately slow runoff, high permeability

Table 3: Jurisdictional Non-Wetland Waters and Wetlands within the Survey Area

Feature Type	Linear Feet	Approximate Jurisdictional Area (acres)[1]		
		USACE	RWQCB	CDFW
Ephemeral Non-Wetland Waters	29,916	N/A	1.60	2.66
Intermittent Non-Wetland Waters	4,022	0.56	0.56	1.16
Perennial Non-Wetland Waters	793	0.58	0.58	0.60
Potential Wetlands	N/A	7.17	7.17	7.17
Total	**34,731**	**7.78**	**9.91**	**11.59**

Similarly, an unnamed perennial stream within Harbison Canyon (JD-020) also collects flows from ephemeral features higher in the watershed and exhibits a well-defined bed and bank, as well as OHWM indicators (e.g., a distinct change in vegetation, shelving, and sediment deposits). Additionally, continuous surface water was observed throughout the reach, and the channel exhibits stable, well-vegetated banks. Flows within JD-020 travel south before exiting the survey area. JD-020 then continues within Harbison Canyon until its confluence with the Sweetwater River. These features are potentially under the jurisdiction of the RWQCB and CDFW as well.

The North Fork Sweetwater River (JD-035) and the Sweetwater River (JD-061) also cross the survey area. The Sweetwater River crosses the survey area north of Loveland Reservoir just before joining the reservoir. Taylor Creek (JD-64) crosses the survey area just west of the Japatul Road bridge and east of Loveland Reservoir. Evidence of sustained flows within Taylor Creek includes surface water and saturated substrate. Taylor Creek flows west until meeting the reservoir to the west of the survey area. Additional features that appear to be relatively permanent waters include JD-39, JD-40, JD-41, and JD-45, which all convey flows to the south and are directly tributary to the North Fork Sweetwater River. Lastly, JD-052 and JD-055 appear to be relatively permanent waters and are direct tributaries to the Lovland Reservoir. These features are potentially under the jurisdiction of the RWQCB and CDFW as well.

Potential wetlands were identified adjacent to the Sweetwater River and Taylor Creek where these features cross the survey area. Potential wetlands adjacent to the Sweetwater River (W-01) consist of non-vegetated land cover and riparian woodland habitat. This feature covers 6.00 acres within the survey area. Wetland indicators including drift deposits were observed at the out margins of the potential wetland. Additionally, the entire potential wetland is periodically inundated depending on the water level of the Loveland Reservoir as evidenced by soil cracks and aerial imagery. Black willow (*Salix goodingii*), a facultative wetland indicator species (USACE 2022), is the dominant trees species along the margins of the Sweetwater River; however, a majority of these potential wetlands were not vegetated at the time of the survey.

[1] The area within the OHWM was used to measure the area of non-wetland waters under the jurisdiction of the USACE and RWQCB. The distance between TOBs was used to measure the area of non-wetland waters under the jurisdiction of the CDFW.

Potential wetlands adjacent to Taylor Creek (W-02) consist of riparian forest habitat also dominated by black willow. However, the herb stratum is dominated by grasses and no wetland indicators were observed. Depending on the water level of the Loveland Reservoir, these black willow likely utilize subsurface waters and are not routinely flooded. This feature covers 1.17 acres within the survey area. Taylor Creek also overlaps the Riverwash which is a hydric soil. These potential wetlands along the Sweetwater River and Taylor Creek are problematic due to the variable water levels of the nearby Loveland Reservoir.

Although other aquatic resources occur within riparian vegetation communities (e.g., coast live oak riparian forest), these features exhibited riverine characteristics and lacked dominance of hydrophytic vegetation. For example, coast live oak (*Quercus agrifolia*) dominated the drainages within coast live oak riparian forest habitat and this species is not listed as a wetland indicator plant (USACE 2022). In drainages where hydrophytic vegetation was observed, this vegetation was sparsely distributed below the OHWM. Potential wetlands identified within the survey area are potentially under the jurisdiction of the USACE, RWQCB, and CDFW.

Lastly, an unnamed intermittent feature (JD-87) crosses the survey area south of Peterson Canyon. Flows within JD-87 exit the survey area to the west before entering Taylor Creek. All features potentially under the jurisdiction of the USACE support riparian vegetation distinct from the surrounding upland vegetation communities and show strong indicators of sustained flow, including defined bed and banks, evidence of algal growth, matting or biofilms on substrate, lateral scour, and stable well-vegetated banks.

The remaining natural ephemeral hydrological features (JD-2 through JD-19, JD-21 through JD-34, JD-36 through JD-38, JD-42 through JD-44, JD-46 through JD-59, JD-64, and JD-65 through JD-86) do not appear to meet the definition of waters of the U.S. because they do not convey relatively permanent flows, but are potentially under the jurisdiction of the RWQCB and CDFW due to their conveyance of surface water in direct response to precipitation and their provisioning of habitat and water quality functions.

The natural ephemeral features throughout the survey area show indicators of natural channel morphology and substrate but lack indicators of sustained flow. Additionally, these features are part of a larger hydrologic system and provide corridors for sediment, nutrient, and wildlife movement. The concrete-lined drainage ditches surrounding the existing Suncrest Substation (JD-89 through JD-108) also do not appear to meet the definition of waters of the U.S. because they do not convey relatively permanent flows; and they are not under the jurisdiction of the CDFW but are potentially under the jurisdiction of the RWQCB. These features convey surface runoff away from the existing substation facility; were constructed as part of site development and storm water management infrastructure; and exhibit no indicators of natural bed, bank, or channel morphology. These engineered features also lack riparian vegetation, organic substrate, and biological indicators of habitat support for fish and wildlife species. Based on current site conditions, the features do not exhibit characteristics consistent with a streambed under the CDFW's criteria. However, these features are part of a larger drainage system that manages surface flows from a developed site and discharges to natural ephemeral features. These features function as conduits for the transport of pollutants, sediment, and storm water; therefore, they influence the chemical, physical, and biological integrity of waters of the state. As such, these features are potentially under the jurisdiction of the RWQCB.

Table 4: Potentially Jurisdictional Non-Wetland Waters within the Survey Area

Feature ID	Hydrological Regime	Nearest Proposed Project Component	Page Number in Attachment A	Length of Non-Wetland Water in Survey Area (feet)	Average OHWM Width (feet)	Average OHWM Depth (feet)	USACE-Jurisdictional Area (acres)	RWQCB-Jurisdictional Area (acres)	Average TOB Width (feet)	Average TOB Depth (feet)	CDFW-Jurisdictional Area (acres)	Feature Description	Vegetation Community or Land Cover Type within Feature
JD-001	Intermittent	Proposed 230 kV Underground (UG) Segment	2	295	6.00	2.67	0.04	0.04	10.67	4.00	0.07	Forester Creek	Coast Live Oak Riparian Forest and Coastal Sage Scrub
JD-002	Intermittent	Proposed 230 kV UG Segment	3	52	2.50	1.00	<0.01	<0.01	4.00	2.00	<0.01	Forester Creek	Landscaped/Ornamental
JD-003	Intermittent	Proposed 230 kV UG Segment	3	258	4.00	1.00	0.02	0.02	6.00	2.00	0.04	Forester Creek	Bare Ground, Coast Live Oak Riparian Forest, Developed, and Landscaped/Ornamental
JD-004	Intermittent	Proposed 230 kV UG Segment	3	117	4.00	1.00	0.01	0.01	6.00	1.50	0.02	Forester Creek	Coast Live Oak Riparian Forest
JD-005	Ephemeral	Proposed 230 kV UG Segment	6	201	1.67	0.75	N/A	0.01	3.50	1.50	0.02	Unnamed tributary to Forester Creek	Coastal Sage Scrub
JD-006	Ephemeral	Proposed 230 kV UG Segment	7	99	1.00	0.50	N/A	<0.01	8.67	4.00	0.02	Unnamed tributary to Forester Creek	Coastal Sage Scrub and Developed
JD-007	Ephemeral	Proposed 230 kV UG Segment	7	187	4.00	1.00	N/A	0.02	7.00	2.00	0.03	Unnamed tributary to Forester Creek	Coastal Sage Scrub
JD-008	Ephemeral	Proposed 230 kV UG Segment	7	262	1.75	1.00	N/A	0.01	2.75	1.38	0.02	Unnamed tributary to Forester Creek	Coastal Sage Scrub and Disturbed
JD-009	Ephemeral	Proposed 230 kV UG Segment	8	49	3.00	1.50	N/A	<0.01	4.00	2.00	<0.01	Unnamed tributary to Forester Creek	Coast Live Oak Riparian Forest and Landscaped/Ornamental
JD-010	Ephemeral	Proposed 230 kV UG Segment	8	168	1.00	1.00	N/A	<0.01	2.00	2.50	0.01	Unnamed tributary to Forester Creek	Landscaped/Ornamental
JD-011	Ephemeral	Proposed 230 kV UG Segment	10	151	1.00	1.00	N/A	<0.01	2.00	2.50	0.01	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Disturbed and Open Oak Woodland
JD-012	Ephemeral	Proposed 230 kV UG Segment	10	363	1.50	0.50	N/A	0.01	2.50	1.50	0.02	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Coastal Sage/Chaparral Mix

Feature ID	Hydrological Regime	Nearest Proposed Project Component	Page Number in Attachment A	Length of Non-Wetland Water in Survey Area (feet)	Average OHWM Width (feet)	Average OHWM Depth (feet)	USACE-Jurisdictional Area (acres)	RWQCB-Jurisdictional Area (acres)	Average TOB Width (feet)	Average TOB Depth (feet)	CDFW-Jurisdictional Area (acres)	Feature Description	Vegetation Community or Land Cover Type within Feature
JD-013	Ephemeral	Proposed 230 kV UG Segment	11	139	1.50	0.50	N/A	<0.01	2.50	1.25	0.01	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Coastal Sage/Chaparral Mix, Disturbed, and Landscaped/Ornamental
JD-014	Ephemeral	Proposed 230 kV UG Segment	11	212	1.50	0.38	N/A	0.01	2.50	0.63	0.01	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Chaparral and Landscaped/Ornamental
JD-015	Ephemeral	Proposed 230 kV UG Segment	12	186	2.00	0.75	N/A	0.01	3.00	1.00	0.01	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Chaparral
JD-016	Ephemeral	Pole 2-B	12	227	3.33	3.00	N/A	0.02	4.67	4.00	0.02	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Coastal Sage/Chaparral Mix
JD-017	Ephemeral	Pole 2-A	12	293	1.50	1.00	N/A	0.01	2.50	1.50	0.02	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Coastal Sage Scrub
JD-018	Ephemeral	Pole 3	13	408	0.50	0.50	N/A	<0.01	1.00	1.00	0.01	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Coastal Sage Scrub

Feature ID	Hydrological Regime	Nearest Proposed Project Component	Page Number in Attachment A	Length of Non-Wetland Water in Survey Area (feet)	Average OHWM Width (feet)	Average OHWM Depth (feet)	USACE-Jurisdictional Area (acres)	RWQCB-Jurisdictional Area (acres)	Average TOB Width (feet)	Average TOB Depth (feet)	CDFW-Jurisdictional Area (acres)	Feature Description	Vegetation Community or Land Cover Type within Feature
JD-019	Ephemeral	Pole 3	13	190	0.50	0.25	N/A	<0.01	0.75	1.00	<0.01	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Coastal Sage Scrub
JD-020	Perennial	Pole 4	14	380	7.00	1.00	0.06	0.06	9.67	3.00	0.08	Unnamed perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Coast Live Oak Riparian Forest
JD-021	Ephemeral	Pole 4	15	103	0.28	1.00	N/A	<.01	0.50	1.50	<0.01	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Coastal Sage Scrub
JD-022	Ephemeral	Pole 4	15	131	1.00	0.50	N/A	0.01	1.75	0.75	0.01	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Chaparral and Coastal Sage Scrub
JD-023	Ephemeral	Pole 5	15	70	1.00	0.25	N/A	<0.01	1.50	0.50	<0.01	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Chaparral
JD-024	Ephemeral	Pole 5	15	364	1.25	0.63	N/A	0.01	2.50	1.00	0.02	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Bare Ground, Chaparral, and Coastal Sage Scrub

Feature ID	Hydrological Regime	Nearest Proposed Project Component	Page Number in Attachment A	Length of Non-Wetland Water in Survey Area (feet)	Average OHWM Width (feet)	Average OHWM Depth (feet)	USACE-Jurisdictional Area (acres)	RWQCB-Jurisdictional Area (acres)	Average TOB Width (feet)	Average TOB Depth (feet)	CDFW-Jurisdictional Area (acres)	Feature Description	Vegetation Community or Land Cover Type within Feature
JD-025	Ephemeral	Pole 5	15	232	1.13	0.38	N/A	0.01	2.50	0.50	0.01	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Bare Ground and Chaparral
JD-026	Ephemeral	Pole 5	15, 16	427	3.00	1.00	N/A	0.03	4.33	2.00	0.04	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Bare Ground and Coastal Sage Scrub
JD-027	Ephemeral	Pole 5	16	365	1.00	1.00	N/A	0.01	1.50	1.50	0.01	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Chaparral
JD-028	Ephemeral	Pole 6	16	265	1.50	0.50	N/A	0.01	2.50	0.50	0.02	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Chaparral
JD-029	Ephemeral	Pole 6	16	148	1.00	1.00	N/A	<0.01	2.00	1.00	0.01	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Chaparral
JD-030	Ephemeral	Pole 6	16, 17	149	1.00	1.00	N/A	<0.01	2.50	3.00	0.01	Unnamed tributary to a perennial stream within Harbison Canyon. Flow path continues into the Sweetwater River.	Chaparral

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JD-031	Ephemeral	Pole 6	17	329	1.00	0.63	N/A	0.01	1.75	1.50	0.01	Unnamed tributary to the North Fork Sweetwater River	Coastal Sage Scrub
JD-032	Ephemeral	Pole 8	18	318	1.50	0.50	N/A	0.01	1.75	2.00	0.01	Unnamed tributary to the North Fork Sweetwater River	Coastal Sage Scrub
JD-033	Ephemeral	Pole 8	18	350	2.00	1.00	N/A	0.02	4.00	1.50	0.03	Unnamed tributary to the North Fork Sweetwater River	Coastal Sage Scrub
JD-034	Ephemeral	Pole 9	18	311	2.33	0.75	N/A	0.02	4.33	1.67	0.03	Unnamed tributary to the North Fork Sweetwater River	Coastal Sage Scrub
JD-035	Intermittent	Pole 9	19	346	5.00	2.00	0.04	0.04	8.00	3.00	0.06	Unnamed tributary to the North Fork Sweetwater River	Coastal Sage Scrub
JD-036	Ephemeral	Pole 14	24	342	2.33	0.75	N/A	0.02	4.00	3.00	0.03	Unnamed tributary to the North Fork Sweetwater River	Coastal Sage Scrub
JD-037	Ephemeral	Pole 15	26	322	3.50	0.75	N/A	0.03	5.00	1.25	0.04	Unnamed tributary to the North Fork Sweetwater River	Coastal Sage Scrub
JD-038	Ephemeral	Pole 16	26	473	1.00	1.00	N/A	0.01	6.00	3.00	0.07	Unnamed tributary to the North Fork Sweetwater River	Coastal Sage Scrub and Coastal Sage/Chaparral Mix
JD-039	Intermittent	Pole 18	27/28	328	2.00	1.17	0.02	0.02	6.00	2.00	0.05	Unnamed tributary to the North Fork Sweetwater River	Riparian Woodland
JD-040	Intermittent	Pole 18	28	29	10.00	0.25	0.01	0.01	12.00	0.25	0.01	Unnamed tributary to the North Fork Sweetwater River	Riparian Woodland
JD-041	Intermittent	Pole 18	28	192	1.00	1.00	<0.01	<0.01	1.00	1.00	<0.01	Unnamed tributary to the North Fork Sweetwater River	Coastal Sage Scrub and Riparian Woodland
JD-042	Ephemeral	Pole 19	29	353	2.50	1.50	N/A	0.02	3.00	2.50	0.02	Unnamed tributary to the North Fork Sweetwater River	Coastal Sage/Chaparral Mix
JD-043	Ephemeral	Pole 19	29/30	301	2.00	0.75	N/A	0.01	4.00	3.67	0.03	Unnamed tributary to the North Fork Sweetwater River	Coastal Sage/Chaparral Mix

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JD-044	Ephemeral	Pole 20	30	8	3.00	0.50	N/A	<0.01	4.00	1.00	<0.01	Unnamed tributary to the North Fork Sweetwater River	Coastal Sage Scrub
JD-045	Intermittent	Pole 20	30	119	3.00	1.00	0.01	0.01	6.00	2.00	0.02	Unnamed tributary to the North Fork Sweetwater River	Coast Live Oak Riparian Forest and Coastal Sage Scrub
JD-046	Ephemeral	Pole 21	30	67	2.00	0.25	N/A	<0.01	3.00	0.50	<0.01	Unnamed tributary to the North Fork Sweetwater River	Coastal Sage Scrub and Coastal Sage/Chaparral Mix
JD-047	Ephemeral	Pole 21	30/31	373	2.75	1.75	N/A	0.02	4.50	2.50	0.04	Unnamed tributary to the North Fork Sweetwater River	Coastal Sage Scrub and Coastal Sage/Chaparral Mix
JD-048	Ephemeral	Pole 21	30/31	348	1.50	0.50	N/A	0.01	3.50	0.88	0.03	Unnamed tributary to the North Fork Sweetwater River	Chaparral and Coastal Sage/Chaparral Mix
JD-049	Ephemeral	Pole 21	31/32	376	2.00	1.00	N/A	0.02	4.33	4.50	0.04	Unnamed tributary to the North Fork Sweetwater River	Chaparral and Coastal Sage/Chaparral Mix
JD-050	Ephemeral	Pole 22	31/32	536	1.00	1.00	N/A	0.01	2.00	1.50	0.02	Unnamed tributary to the North Fork Sweetwater River	Chaparral
JD-051	Ephemeral	Pole 23	32	497	2.00	0.58	N/A	0.02	8.00	4.67	0.09	Unnamed tributary to Loveland Reservoir	Chaparral
JD-052	Intermittent	Pole 23	33	403	6.00	1.50	0.06	0.06	8.00	6.33	0.07	Unnamed tributary to Loveland Reservoir	Riparian Woodland
JD-053	Ephemeral	Pole 24	33	68	1.00	0.25	N/A	<0.01	3.00	2.00	<0.01	Unnamed tributary to Loveland Reservoir	Coastal Sage/Chaparral Mix
JD-054	Ephemeral	Pole 24	33	296	2.00	0.50	N/A	0.01	3.00	2.00	0.02	Unnamed tributary to Loveland Reservoir	Chaparral and Coastal Sage/Chaparral Mix
JD-055	Intermittent	Pole 24	33	408	3.50	0.38	0.03	0.03	8.00	4.00	0.07	Unnamed tributary to Loveland Reservoir	Coast Live Oak Riparian Forest
JD-056	Ephemeral	Pole 25	34	314	1.50	0.25	N/A	0.01	4.50	2.00	0.03	Unnamed tributary to Loveland Reservoir	Chaparral and Coastal Sage Scrub

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JD-057	Ephemeral	Pole 26	34	195	5.00	0.38	N/A	0.02	8.00	3.33	0.04	Unnamed tributary to Loveland Reservoir	Chaparral and Coastal Sage Scrub
JD-058	Ephemeral	Pole 26	34	104	1.00	0.25	N/A	<0.01	4.50	0.75	0.01	Unnamed tributary to Loveland Reservoir	Bare Ground and Chaparral
JD-059[2]	Ephemeral	Pole 27	35	106	1.00	0.25	N/A	<0.01	4.50	1.50	0.01	Unnamed tributary to Loveland Reservoir	Chaparral
JD-061[3]	Perennial	Pole 28	36	413	50.00	12.50	0.52	0.52	50.00	12.50	0.52	Sweetwater River	Riparian Woodland
JD-063	Ephemeral	Pole 29	37	307	3.00	1.00	N/A	0.02	5.00	2.00	0.04	Unnamed tributary to Loveland Reservoir	Bare Ground, Buckwheat Scrub, and Coastal Sage Scrub
JD-064	Intermittent	Pole 31	38	382	20.00	1.00	0.18	0.18	50.00	10.00	0.47	Taylor Creek	Coast Live Oak Riparian Forest, Developed, and Riparian Forest
JD-065	Ephemeral	Pole 32	38/39	792	2.00	1.00	N/A	0.04	3.50	2.00	0.06	Unnamed tributary to Taylor Creek	Buckwheat Scrub, Chaparral, and Coast Live Oak Riparian Forest
JD-066	Ephemeral	Pole 33	38	255	3.00	1.00	N/A	0.02	4.00	2.00	0.02	Unnamed tributary to Taylor Creek	Coastal Sage Scrub, Developed, and Disturbed
JD-067	Ephemeral	Pole 33	38	57	1.00	1.00	N/A	<0.01	2.00	1.00	<0.01	Unnamed concrete-lined brow ditch tributary to Taylor Creek	Bare Ground and Chaparral
JD-068	Ephemeral	Pole 33	38	58	3.00	0.50	N/A	<0.01	4.00	1.00	0.01	Unnamed tributary to Taylor Creek	Coastal Sage Scrub, Developed, and Disturbed
JD-069	Ephemeral	Pole 33	38	73	3.00	1.00	N/A	0.01	4.00	3.00	0.01	Unnamed tributary to Taylor Creek	Chaparral, Developed, and Disturbed
JD-070	Ephemeral	Pole 33	40	159	2.00	0.50	N/A	0.01	2.50	1.00	0.01	Unnamed tributary to Loveland Reservoir	Chaparral
JD-071	Ephemeral	Pole 36	40	231	2.25	0.38	N/A	0.01	2.50	0.75	0.01	Unnamed tributary to Loveland Reservoir	Chaparral

[2] JD-60 does not exist, since this feature was combined with another feature.
[3] JD-062 was mapped as the TOB line for the Sweetwater River (JD-061) and used to calculate the jurisdictional area, but is not a discrete feature. Therefore, it is not included in the results table.

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JD-072	Ephemeral	Pole 36	40	675	3.33	1.17	N/A	0.05	6.00	3.00	0.09	Unnamed tributary to Loveland Reservoir	Chaparral
JD-073	Ephemeral	Pole 37	40	53	1.50	0.50	N/A	<0.01	3.33	1.50	<0.01	Unnamed tributary to Loveland Reservoir	Chaparral
JD-074	Ephemeral	Pole 36	40	507	2.00	0.50	N/A	0.02	3.00	1.00	0.03	Unnamed tributary to Loveland Reservoir	Chaparral
JD-075	Ephemeral	Pole 36	41	231	2.00	1.00	N/A	0.01	4.00	3.33	0.02	Unnamed tributary to Loveland Reservoir	Coastal Sage Scrub
JD-076	Ephemeral	Pole 37	42	257	5.67	0.75	N/A	0.03	10.67	2.00	0.06	Unnamed tributary to Loveland Reservoir	Chaparral and Disturbed
JD-077	Ephemeral	Pole 40	42/43	95	1.50	0.75	N/A	<0.01	2.50	2.50	0.01	Unnamed tributary to Loveland Reservoir	Chaparral
JD-078	Ephemeral	Pole 41	43	43	1.67	1.33	N/A	<0.01	3.33	1.67	<0.01	Unnamed tributary to Loveland Reservoir	Chaparral
JD-079	Ephemeral	Pole 42	42/43	183	3.33	0.88	N/A	0.01	5.00	2.50	0.02	Unnamed tributary to Taylor Creek	Chaparral
JD-080	Ephemeral	Pole 42	42	41	1.67	0.83	N/A	<0.01	3.33	1.67	<0.01	Unnamed tributary to Taylor Creek	Chaparral
JD-081	Ephemeral	Pole 42	43	364	4.00	1.33	N/A	0.03	8.00	5.00	0.06	Unnamed tributary to Taylor Creek	Chaparral and Coastal Sage/Chaparral Mix
JD-082	Ephemeral	Pole 42	44	551	2.50	0.38	N/A	0.03	4.00	2.00	0.05	Unnamed tributary to Taylor Creek	Chaparral and Coastal Sage/Chaparral Mix
JD-083	Ephemeral	Pole 43	44	371	2.00	1.00	N/A	0.02	3.50	2.00	0.03	Unnamed tributary to Taylor Creek	Chaparral
JD-084	Ephemeral	Pole 49	45	62	2.50	0.50	N/A	<0.01	4.33	1.50	0.01	Unnamed tributary to Taylor Creek	Chaparral
JD-085	Ephemeral	Pole 49	46	734	2.00	0.38	N/A	0.03	4.00	2.00	0.07	Unnamed tributary to Taylor Creek	Chaparral, Coastal Sage Scrub, and Riparian Forest
JD-086	Ephemeral	Pole 52	50	345	3.00	1.00	N/A	0.02	5.00	2.00	0.04	Unnamed tributary to Taylor Creek	Chaparral

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JD-087	Intermittent	Pole 52	51	378	10.00	4.00	0.09	0.09	18.00	6.00	0.16	Unnamed tributary to Taylor Creek	Riparian Woodland
JD-088	Intermittent	Pole 54	53/54	715	3.00	1.83	0.05	0.05	7.33	2.50	0.12	Unnamed tributary to Taylor Creek	Coast Live Oak Riparian Forest and Riparian Woodland
JD-089	Ephemeral	Pole 56	56	452	1.00	0.50	N/A	0.01	4.33	2.00	0.04	Unnamed tributary to Taylor Creek	Coastal Sage Scrub and Open Engelmann Oak Woodland
JD-090	Ephemeral	Suncrest Substation	57	83	3.00	1.00	N/A	0.01	4.00	1.00	0.01	Unnamed concrete drainage channel	Developed
JD-091	Ephemeral	Suncrest Substation	57	129	3.00	1.00	N/A	0.01	4.00	1.00	0.01	Unnamed concrete drainage channel	Developed
JD-092	Ephemeral	Suncrest Substation	57	334	3.00	1.00	N/A	0.02	4.00	1.00	0.03	Unnamed concrete drainage channel	Developed
JD-093	Ephemeral	Suncrest Substation	57	307	3.00	1.00	N/A	0.02	4.00	1.00	0.03	Unnamed concrete drainage channel	Developed
JD-094	Ephemeral	Suncrest Substation	57	265	3.00	1.00	N/A	0.02	4.00	1.00	0.02	Unnamed concrete drainage channel	Developed
JD-095	Ephemeral	Suncrest Substation	57	255	3.00	1.00	N/A	0.02	4.00	1.00	0.02	Unnamed concrete drainage channel	Developed
JD-096	Ephemeral	Suncrest Substation	57/58	972	2.50	1.00	N/A	0.06	3.00	1.00	0.07	Unnamed concrete drainage channel	Developed
JD-097[4]	Ephemeral	Suncrest Substation	57/58	287	2.00	1.00	N/A	0.01	3.00	1.00	0.02	Unnamed concrete drainage channel	Developed
JD-099	Ephemeral	Suncrest Substation	58	242	2.00	2.00	N/A	0.01	4.00	4.00	0.02	Unnamed concrete drainage channel	Developed
JD-100	Ephemeral	Suncrest Substation	57,58	383	3.00	1.00	N/A	0.03	4.00	1.00	0.04	Unnamed concrete drainage channel	Developed
JD-101	Ephemeral	Suncrest Substation	58	118	2.00	2.00	N/A	0.01	4.00	4.00	0.01	Unnamed concrete drainage channel	Developed
JD-102	Ephemeral	Suncrest Substation	58/59	708	2.00	2.00	N/A	0.03	4.00	4.00	0.07	Unnamed concrete drainage channel	Developed
JD-103	Ephemeral	Suncrest Substation	59	149	2.00	2.00	N/A	0.01	4.00	4.00	0.01	Unnamed concrete drainage channel	Developed
JD-104	Ephemeral	Suncrest Substation	59, 60	5,165	3.00	2.00	N/A	0.36	4.00	2.00	0.47	Unnamed concrete drainage channel	Developed

[4] JD-98 does not exist, since this feature was combined with another feature.

Feature ID	Hydrological Regime	Nearest Proposed Project Component	Page Number in Attachment A	Length of Non-Wetland Water in Survey Area (feet)	Average OHWM Width (feet)	Average OHWM Depth (feet)	USACE-Jurisdictional Area (acres)	RWQCB-Jurisdictional Area (acres)	Average TOB Width (feet)	Average TOB Depth (feet)	CDFW-Jurisdictional Area (acres)	Feature Description	Vegetation Community or Land Cover Type within Feature
JD-105	Ephemeral	Suncrest Substation	59, 60	1,224	3.00	3.00	N/A	0.08	4.00	4.00	0.11	Unnamed concrete drainage channel	Developed
JD-106	Ephemeral	Suncrest Substation	59, 60	411	3.50	2.00	N/A	0.03	4.00	2.00	0.04	Unnamed concrete drainage channel	Developed
JD-107	Ephemeral	Suncrest Substation	60	97	3.00	1.00	N/A	0.01	4.00	1.00	0.01	Unnamed concrete drainage channel	Developed
JD-108	Ephemeral	Suncrest Substation	60	115	3.00	2.00	N/A	0.01	4.00	2.00	0.01	Unnamed concrete drainage channel	Developed

A total of 24 culverts were also identified within the survey area. The culverts varied in size and orientation and were generally distributed along La Cresta Road where aquatic features crossed the roadway or passed through developed areas. Based on field observations, some culverts exhibit hydrologic connectivity to features potentially regulated by the USACE, RWQCB, and CDFW. No culverts were observed to support wetland vegetation or other wetland indicators. Therefore, none were classified as wetlands. However, culverts maintaining hydrologic connectivity of jurisdictional aquatic features may be subject to regulatory oversight of the agencies with jurisdiction over the natural portions of the associated aquatic features.

5.1.0 Non-Jurisdictional Features

Non-jurisdictional features, including swales and erosional features with inconsistent OHWM, were present in portions of the survey area, particularly in the western portion where rural development is more prominent. These features were reviewed and determined to not fall under the jurisdiction of the USACE, RWQCB, or CDFW, and subsequently were not included in this report.

6 – CONCLUSION

In total, 107 potentially jurisdictional aquatic resources were identified within the survey area, including two potential wetland features, 89 ephemeral features, 14 intermittent features, and two perennial features, potentially under the jurisdiction of the USACE, RWQCB, and/or CDFW. Current Proposed Project design avoids impacts to aquatic resources; however, if temporary and/or permanent impacts to jurisdictional features are anticipated based off a future design need, SDG&E may need to obtain the appropriate permits from the applicable resource agency (i.e., USACE, RWQCB, CDFW) prior to Proposed Project implementation.

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ATTACHMENT A: AQUATIC RESOURCES DELINEATION MAP

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Attachment A:
Aquatic Resources Delineation Map

Map 1 of 68

Suncrest 230 Kilovolt Loop-In Project

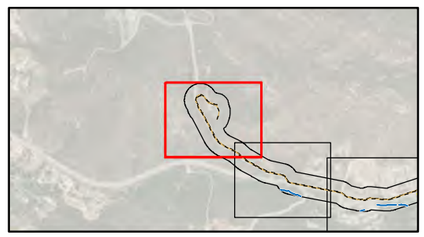
- Survey Area
- Proposed Conventional Pole
- Proposed 230 kV Western UG Segment
- Vault

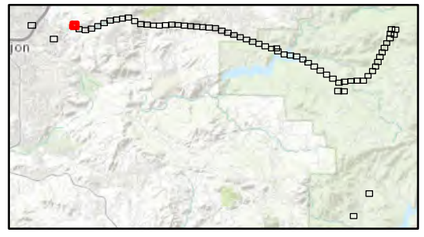
Permanent Component

- Vault

Temporary Component

- Temporary Workspace
- Underground Trench





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Attachment A:
Aquatic Resources Delineation Map

Map 2 of 68

Suncrest 230 Kilovolt Loop-In Project

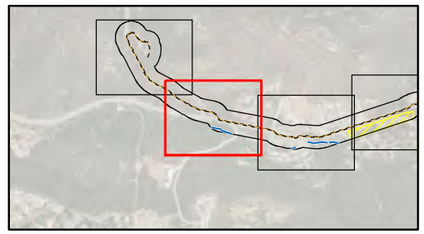
- Survey Area
- Culvert
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed 230 kV Western UG Segment
- Vault

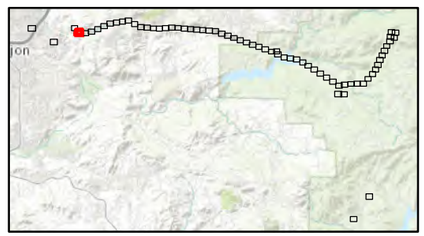
Permanent Component

- Vault

Temporary Component

- Underground Trench





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Attachment A:
Aquatic Resources Delineation Map

Map 3 of 68

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Area Not Accessed
- Culvert
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed 230 kV Western UG Segment
- Vault

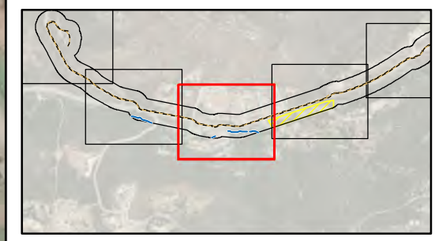
Permanent Component

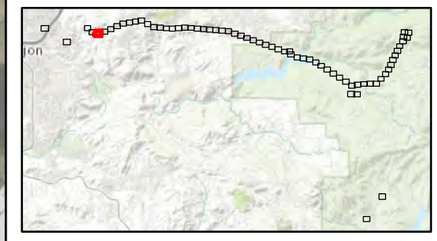
- Vault

Temporary Component

- Underground Trench

JD-002
JD-003
JD-004





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Attachment A:
Aquatic Resources Delineation Map

Map 4 of 68

Suncrest 230 Kilovolt Loop-In Project

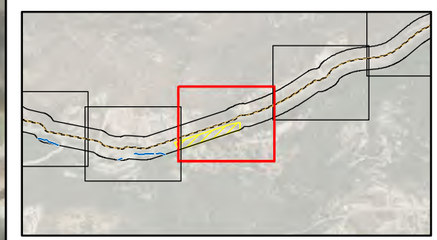
- Survey Area
- Area Not Accessed
- Culvert
- NWI Feature (Freshwater Forested/Shrub Wetland)
- Proposed 230 kV Western UG Segment
- Vault

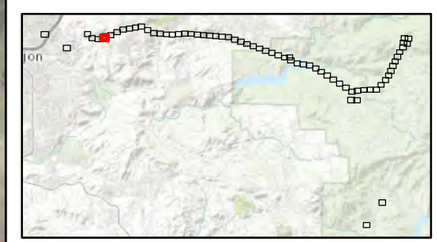
Permanent Component

- Vault

Temporary Component

- Underground Trench





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Attachment A:
Aquatic Resources Delineation Map

Map 5 of 68

Suncrest 230 Kilovolt Loop-In Project

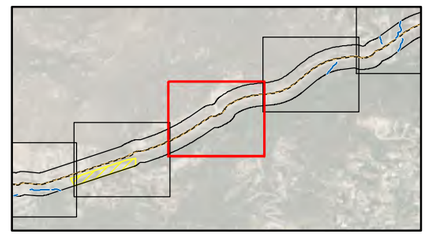
- Survey Area
- Culvert
- Proposed 230 kV Western UG Segment
- Vault

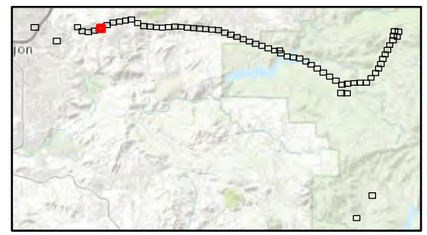
Permanent Component

- Vault

Temporary Component

- Underground Trench





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Attachment A:
Aquatic Resources Delineation Map

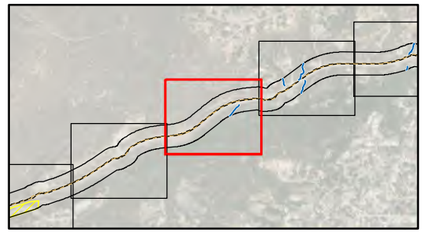
Map 6 of 68

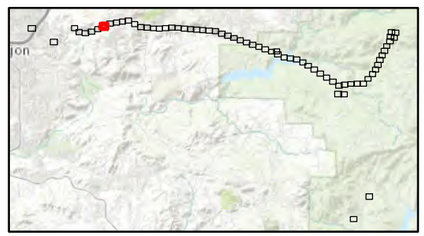
Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Culvert
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed 230 kV Western UG Segment

Temporary Component

- Underground Trench





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Attachment A:
Aquatic Resources Delineation Map

Map 7 of 68

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Culvert
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed 230 kV Western UG Segment
- Vault

Permanent Component

- Vault

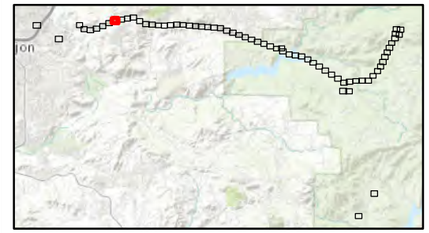
Temporary Component

- Underground Trench

JD-008

JD-006

JD-007



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Attachment A:
Aquatic Resources Delineation Map

Map 8 of 68

Suncrest 230 Kilovolt Loop-In Project

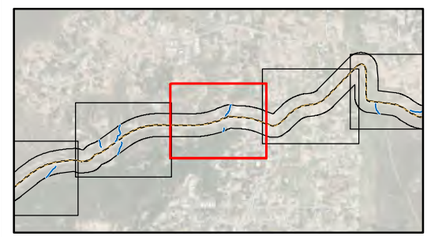
- Survey Area
- Culvert
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed 230 kV Western UG Segment
- Vault

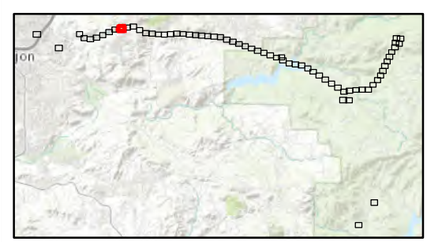
Permanent Component

- Vault

Temporary Component

- Underground Trench





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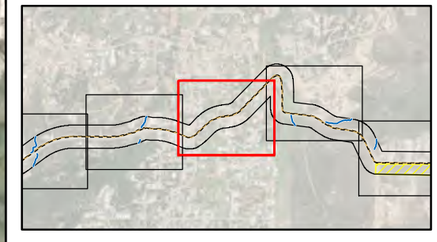
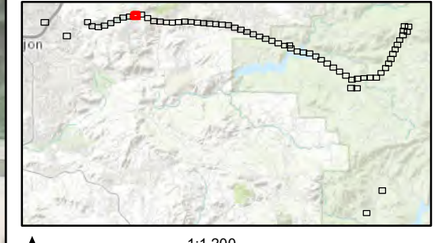
Attachment A:
Aquatic Resources Delineation Map

Map 9 of 68

Suncrest 230 Kilovolt Loop-In Project

Survey Area
Proposed 230 kV Western UG Segment
Temporary Component
Underground Trench





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Attachment A:
Aquatic Resources Delineation Map

Map 10 of 68

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Culvert
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed 230 kV Western UG Segment
- Vault

Permanent Component

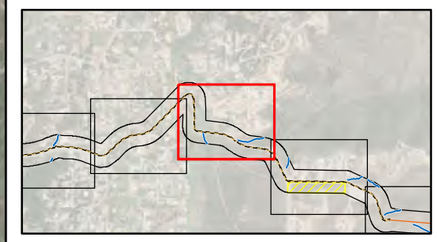
- Vault

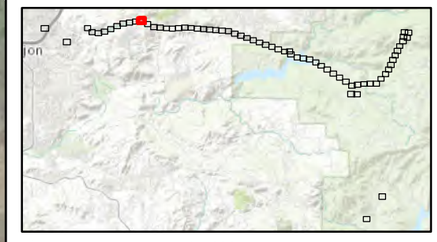
Temporary Component

- Underground Trench

JD-011

JD-012





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Attachment A:
Aquatic Resources Delineation Map

Map 11 of 68

Suncrest 230 Kilovolt Loop-In Project

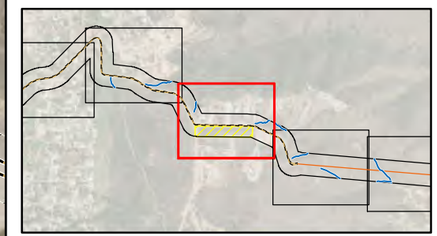
- Survey Area
- Area Not Accessed
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed 230 kV Western UG Segment
- Vault

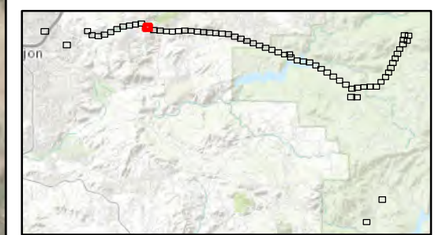
Permanent Component

- Vault

Temporary Component

- Underground Trench





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Attachment A:
Aquatic Resources Delineation Map

Map 12 of 68

Suncrest 230 Kilovolt Loop-In Project

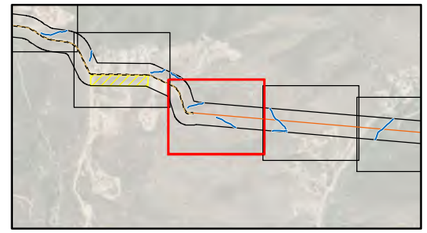
- Survey Area
- Culvert
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Conventional Pole
- Proposed 230 kV OH Segment
- Proposed 230 kV Western UG Segment

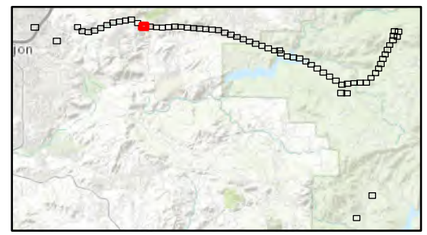
Permanent Component

- Grading
- Pad/Access Road

Temporary Component

- Stringing Site
- Underground Trench





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Attachment A:
Aquatic Resources Delineation Map

Map 13 of 68

Suncrest 230 Kilovolt Loop-In Project

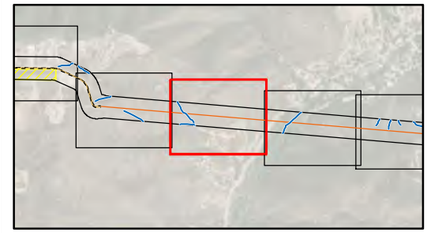
- Survey Area
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

Permanent Component

- New Footpath
- Pad/Access Road

Temporary Component

- Temporary Workspace



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Attachment A:
Aquatic Resources Delineation Map

Map 14 of 68

Suncrest 230 Kilovolt Loop-In Project

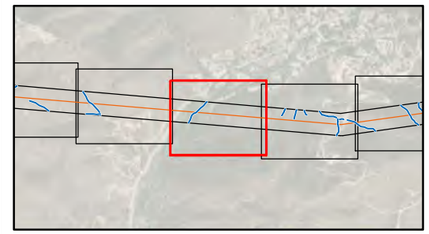
- Survey Area
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

Permanent Component

- Helicopter Landing
- Pad/Access Road

Temporary Component

- Guard Structure
- Temporary Workspace



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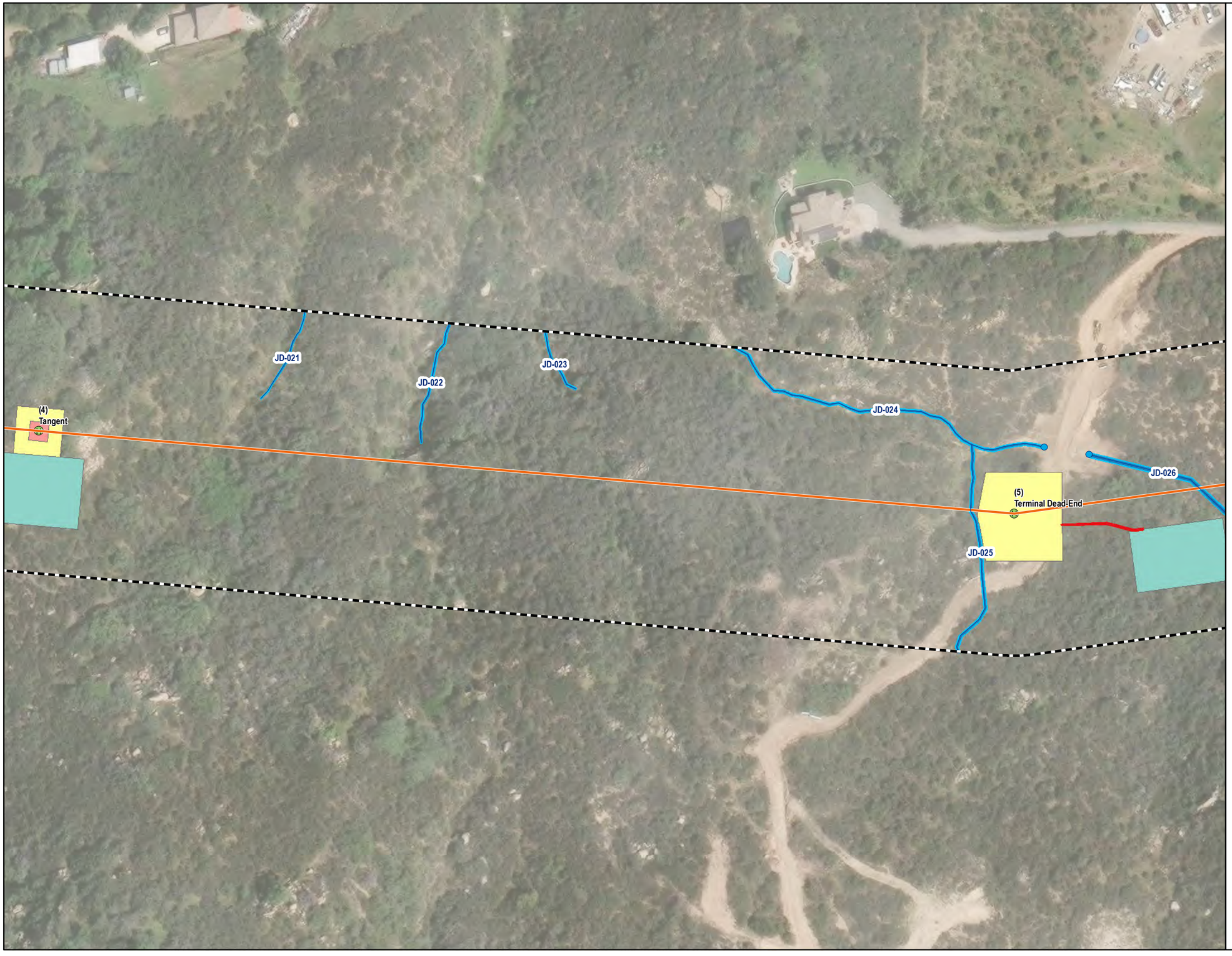


Attachment A:
Aquatic Resources Delineation Map

Map 15 of 68

Suncrest 230 Kilovolt Loop-In Project

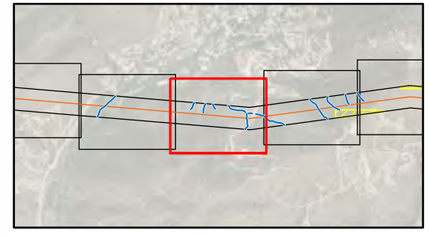
- Survey Area
- Culvert
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

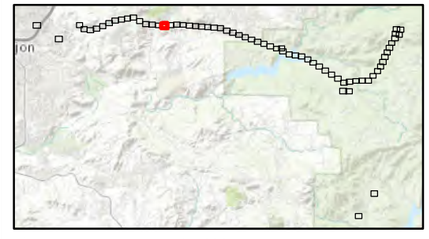
Permanent Component

- Helicopter Landing
- New Footpath
- Pad/Access Road

Temporary Component

- Temporary Workspace





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Attachment A:
Aquatic Resources Delineation Map

Map 16 of 68

Suncrest 230 Kilovolt Loop-In Project

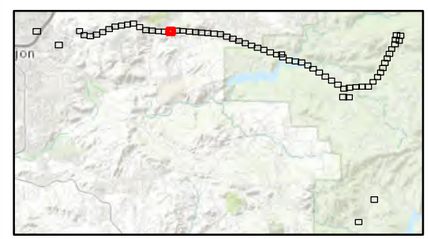
- Survey Area
- Area Not Accessed
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- NWI Feature (Riverine)
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

Permanent Component

- Helicopter Landing
- New Footpath
- Pad/Access Road

Temporary Component

- Temporary Workspace



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Attachment A:
Aquatic Resources Delineation Map

Map 17 of 68

Suncrest 230 Kilovolt Loop-In Project

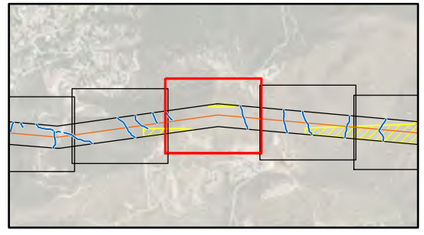
- Survey Area
- Area Not Accessed
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

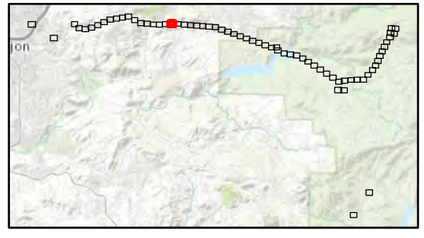
Permanent Component

- Helicopter Landing
- Pad/Access Road

Temporary Component

- Temporary Workspace





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Attachment A:
Aquatic Resources Delineation Map

Map 18 of 68

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Area Not Accessed
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- NWI Feature (Riverine)
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

Permanent Component

- Helicopter Landing
- Pad/Access Road

Temporary Component

- Temporary Workspace

(8)
Tangent

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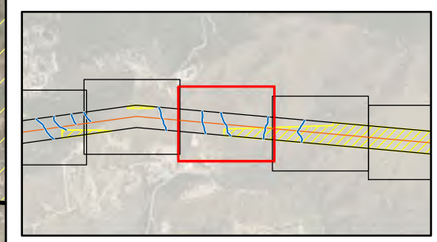
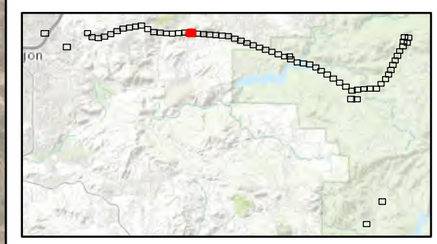
JD-033

JD-034





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Attachment A:
Aquatic Resources Delineation Map

Map 19 of 68

Suncrest 230 Kilovolt Loop-In Project

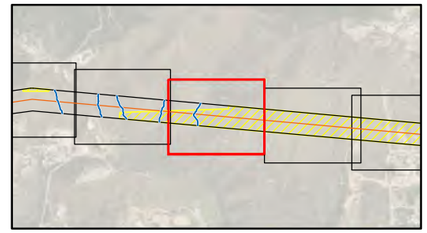
- Survey Area
- Area Not Accessed
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- NWI Feature (Riverine)
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

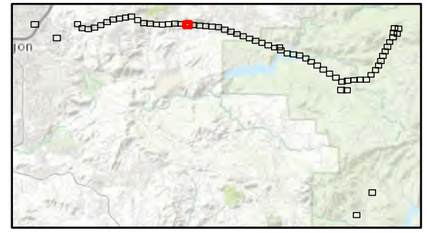
Permanent Component

- Helicopter Landing
- Pad/Access Road

Temporary Component

- Temporary Workspace





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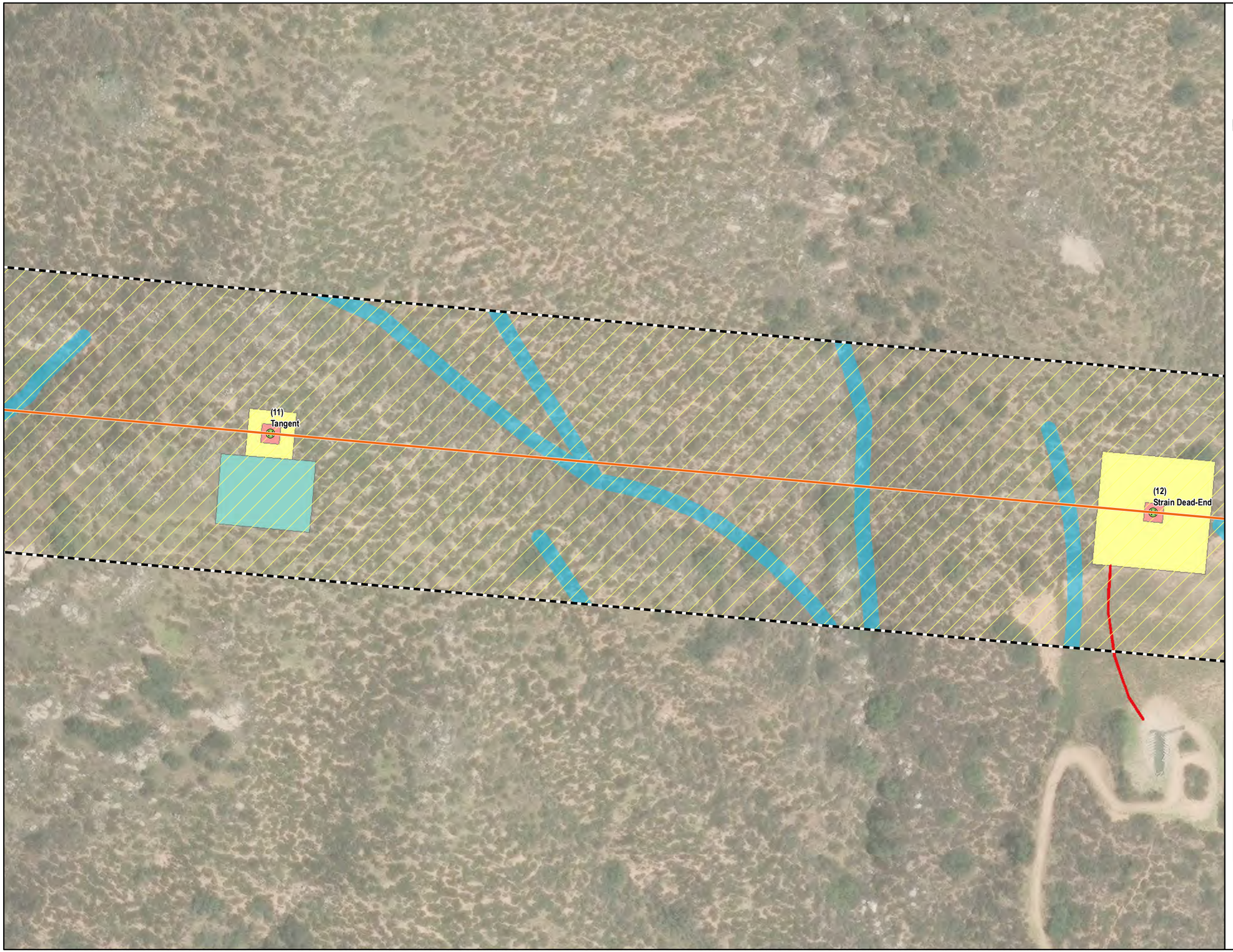
SDGE



Attachment A:
Aquatic Resources Delineation Map

Map 20 of 68

Suncrest 230 Kilovolt Loop-In Project

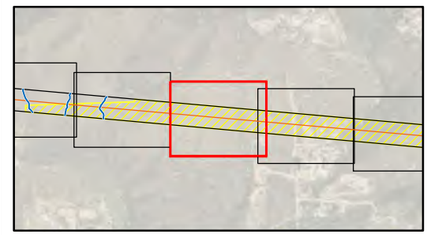
- Survey Area
- Area Not Accessed
- NWI Feature (Riverine)
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

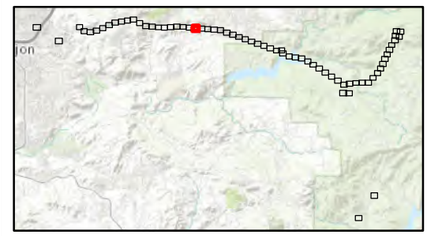
Permanent Component

- Helicopter Landing
- New Footpath
- Pad/Access Road

Temporary Component

- Temporary Workspace





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SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 21 of 68

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Area Not Accessed
- NWI Feature (Riverine)
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

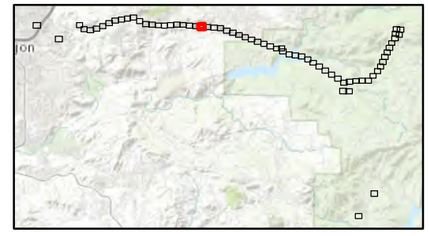
Permanent Component

- New Footpath
- Pad/Access Road

Temporary Component

- Temporary Workspace

(12)
Strain Dead-End



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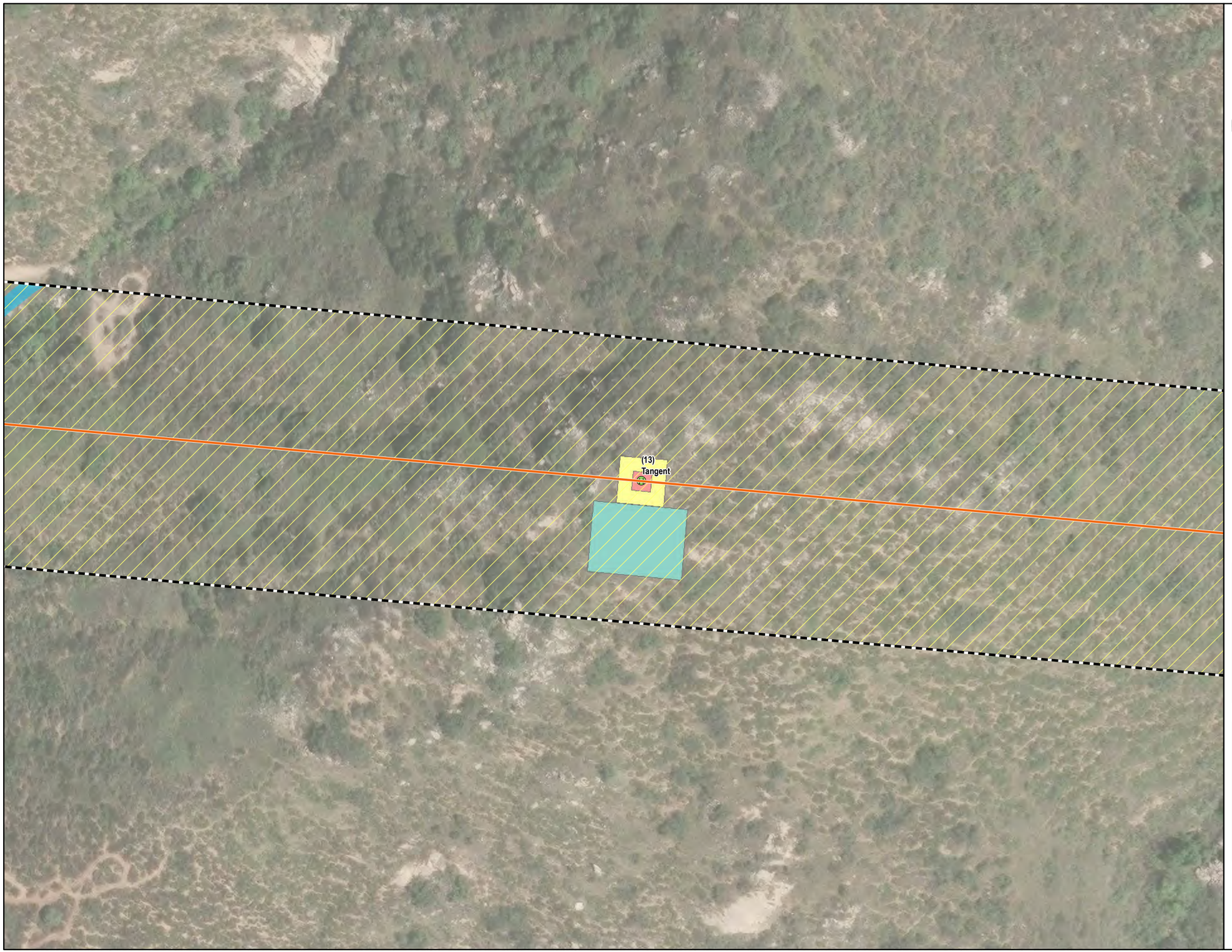


Attachment A:
Aquatic Resources Delineation Map

Map 22 of 68

Suncrest 230 Kilovolt Loop-In Project

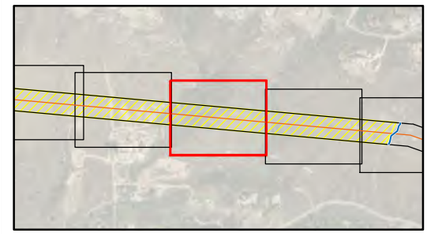
- Survey Area
- Area Not Accessed
- NWI Feature (Riverine)
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

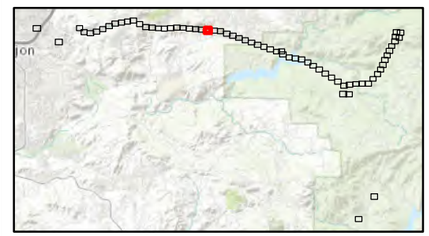
Permanent Component

- Helicopter Landing
- Pad/Access Road

Temporary Component

- Temporary Workspace





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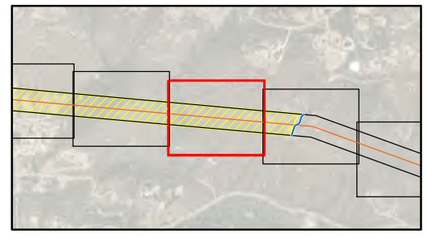
SDGE

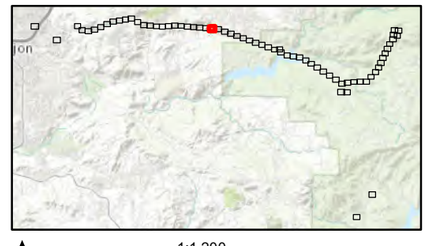
Attachment A:
Aquatic Resources Delineation Map

Map 23 of 68

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Area Not Accessed
- NWI Feature (Riverine)
- Proposed 230 kV OH Segment





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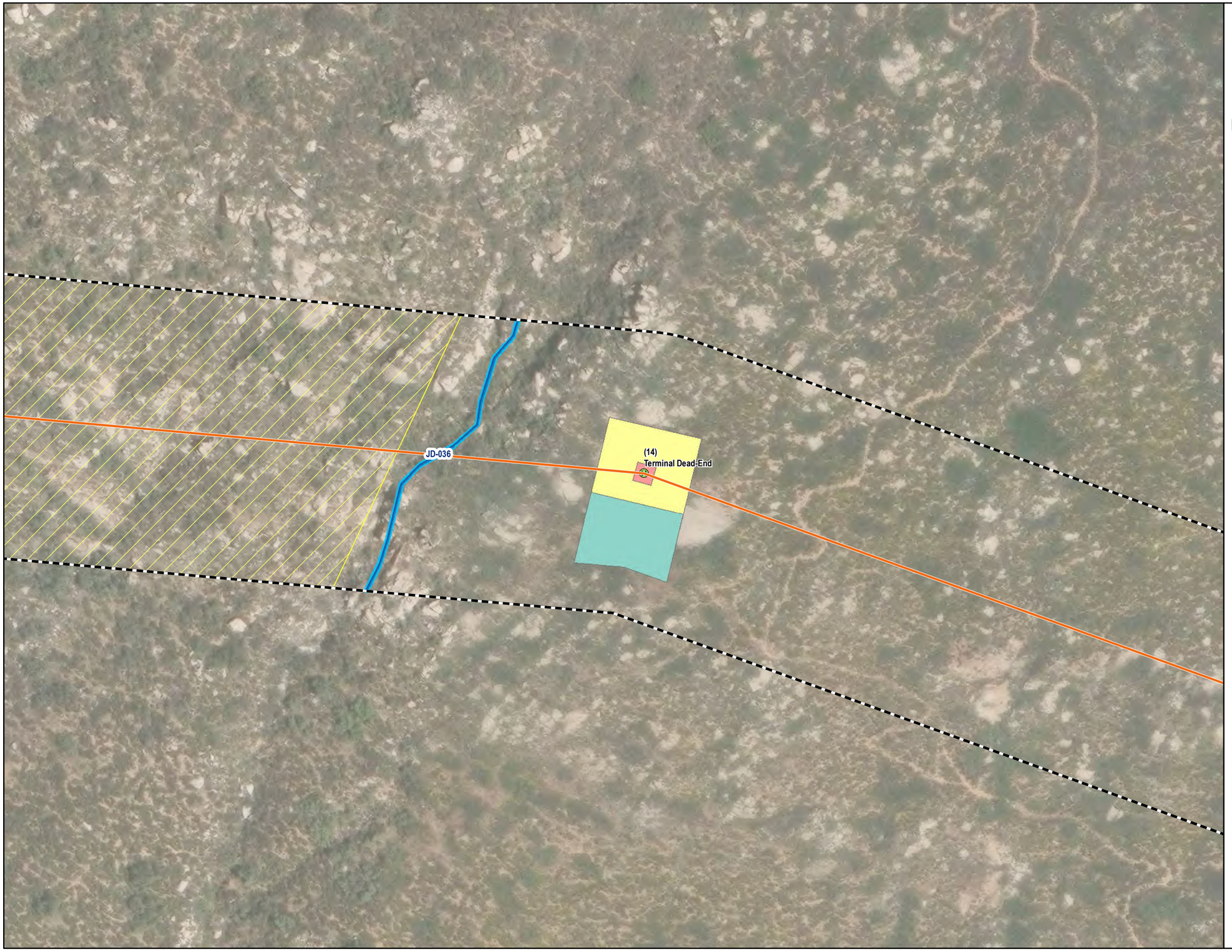


Attachment A:
Aquatic Resources Delineation Map

Map 24 of 68

Suncrest 230 Kilovolt Loop-In Project

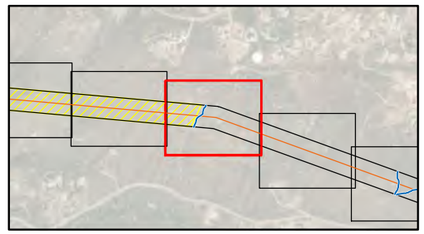
- Survey Area
- Area Not Accessed
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

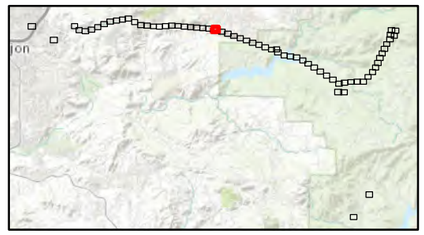
Permanent Component

- Helicopter Landing
- Pad/Access Road

Temporary Component

- Temporary Workspace





1:1,200

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 25 of 68

Suncrest 230 Kilovolt Loop-In Project

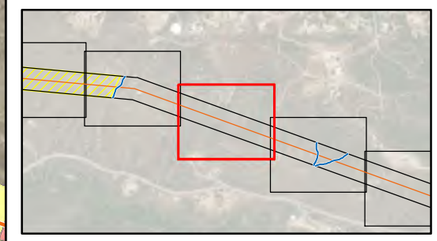
Survey Area
Proposed 230 kV OH Segment

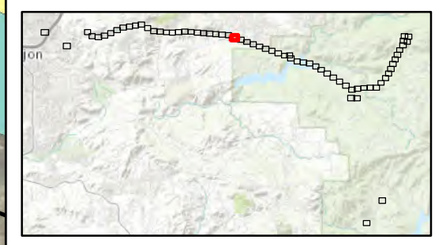
Permanent Component

Helicopter Landing
Pad/Access Road

Temporary Component

Temporary Workspace





1:1,200
0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 26 of 68

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

Permanent Component

- Helicopter Landing
- Pad/Access Road

Temporary Component

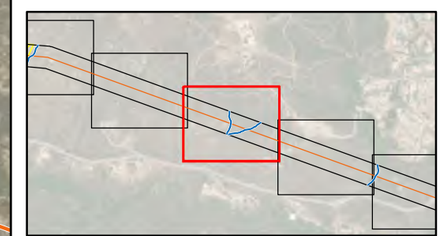
- Temporary Workspace

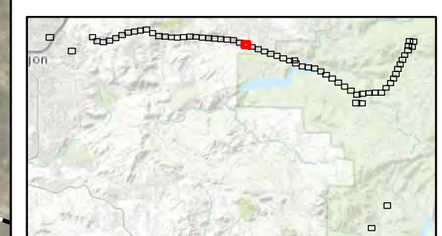
(15) Tangent

(16) Tangent

JD-037

JD-038





1:1,200

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 27 of 68

Suncrest 230 Kilovolt Loop-In Project

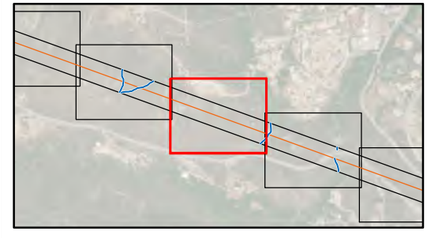
- Survey Area
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

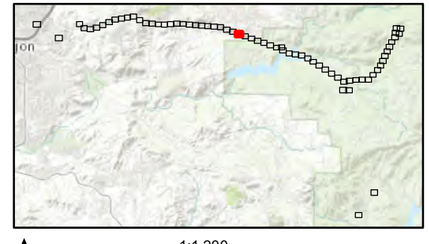
Permanent Component

- Helicopter Landing
- Pad/Access Road

Temporary Component

- Temporary Workspace





1:1,200

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 28 of 68

Suncrest 230 Kilovolt Loop-In Project

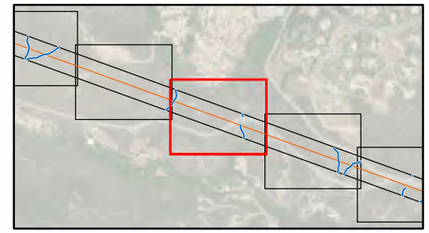
- Survey Area
- Culvert
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

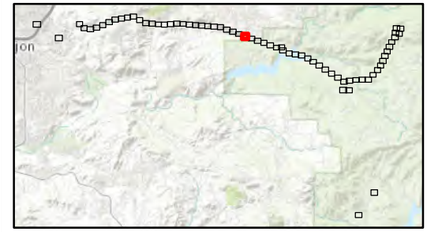
Permanent Component

- Helicopter Landing
- Pad/Access Road

Temporary Component

- Guard Structure
- Temporary Workspace





1:1,200

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 29 of 68

Suncrest 230 Kilovolt Loop-In Project

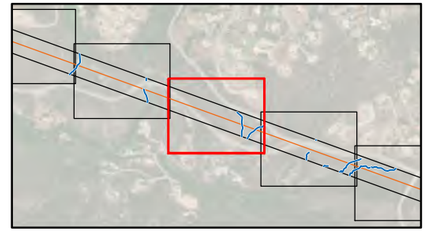
- Survey Area
- Culvert
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

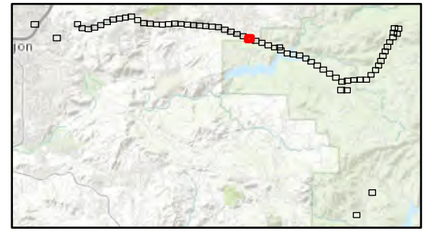
Permanent Component

- New Footpath
- Pad/Access Road

Temporary Component

- Guard Structure
- Temporary Workspace





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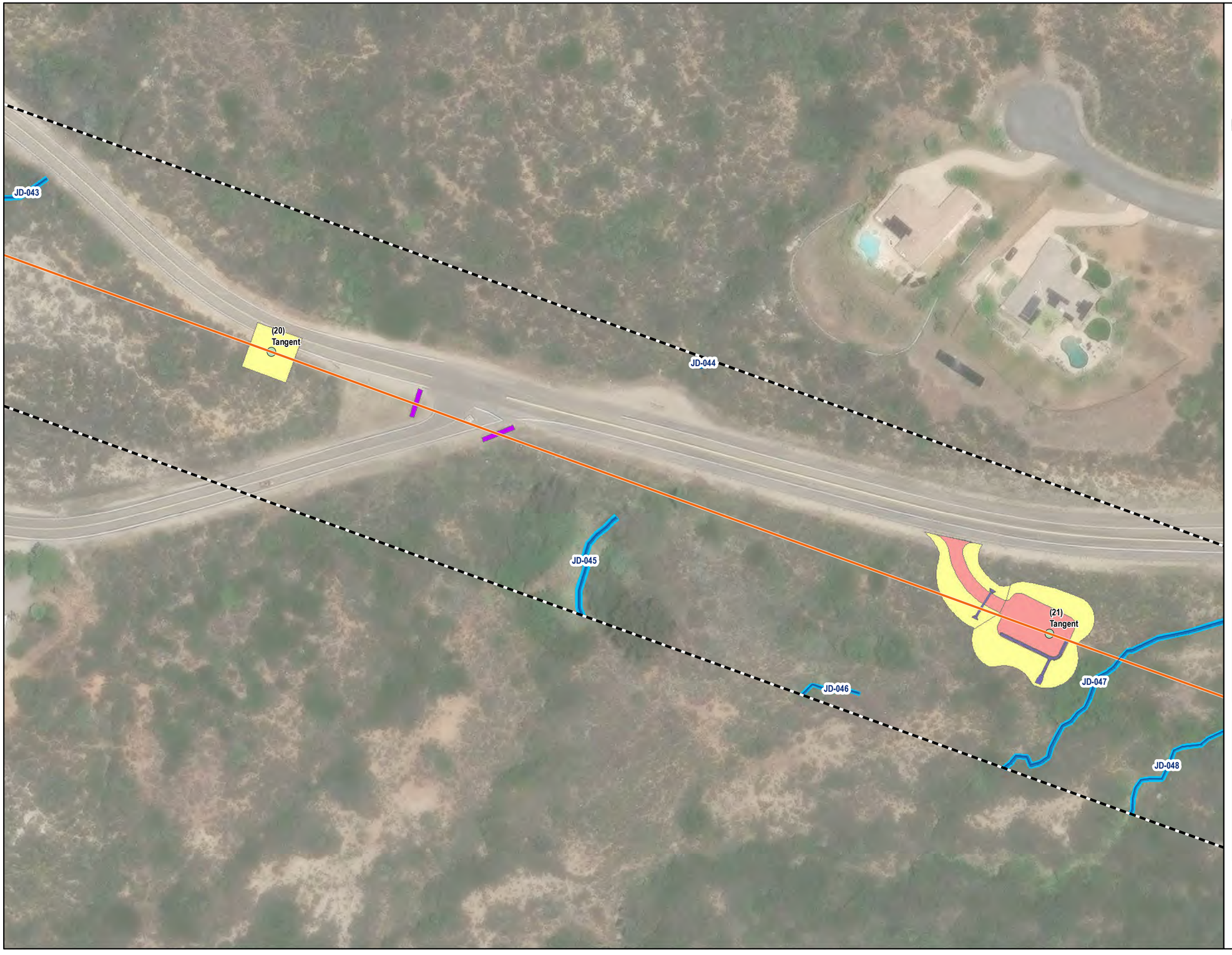


Attachment A:
Aquatic Resources Delineation Map

Map 30 of 68

Suncrest 230 Kilovolt Loop-In Project

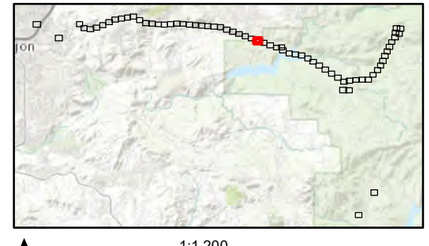
- Survey Area
- Culvert
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Conventional Pole
- Proposed 230 kV OH Segment

Permanent Component

- Drainage Swale
- Pad/Access Road

Temporary Component

- Guard Structure
- Temporary Workspace



1:1,200

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 31 of 68

Suncrest 230 Kilovolt Loop-In Project

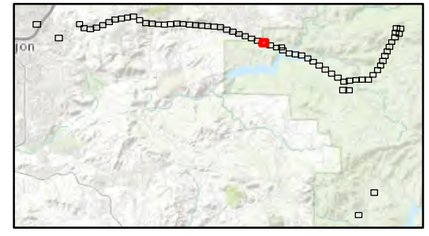
- Survey Area
- Culvert
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Conventional Pole
- Proposed 230 kV OH Segment

Permanent Component

- Grading
- Pad/Access Road

Temporary Component

- Guard Structure
- Temporary Workspace



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0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 32 of 68

Suncrest 230 Kilovolt Loop-In Project

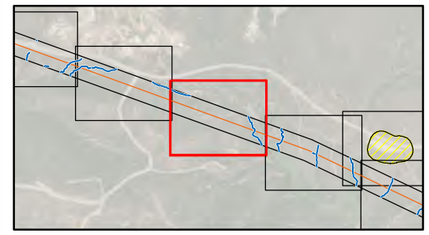
- Survey Area
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

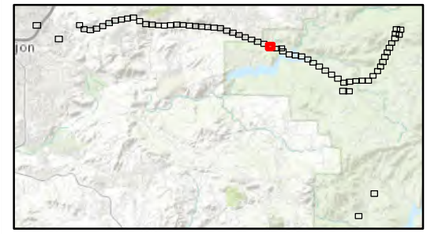
Permanent Component

- Helicopter Landing
- Pad/Access Road

Temporary Component

- Temporary Workspace





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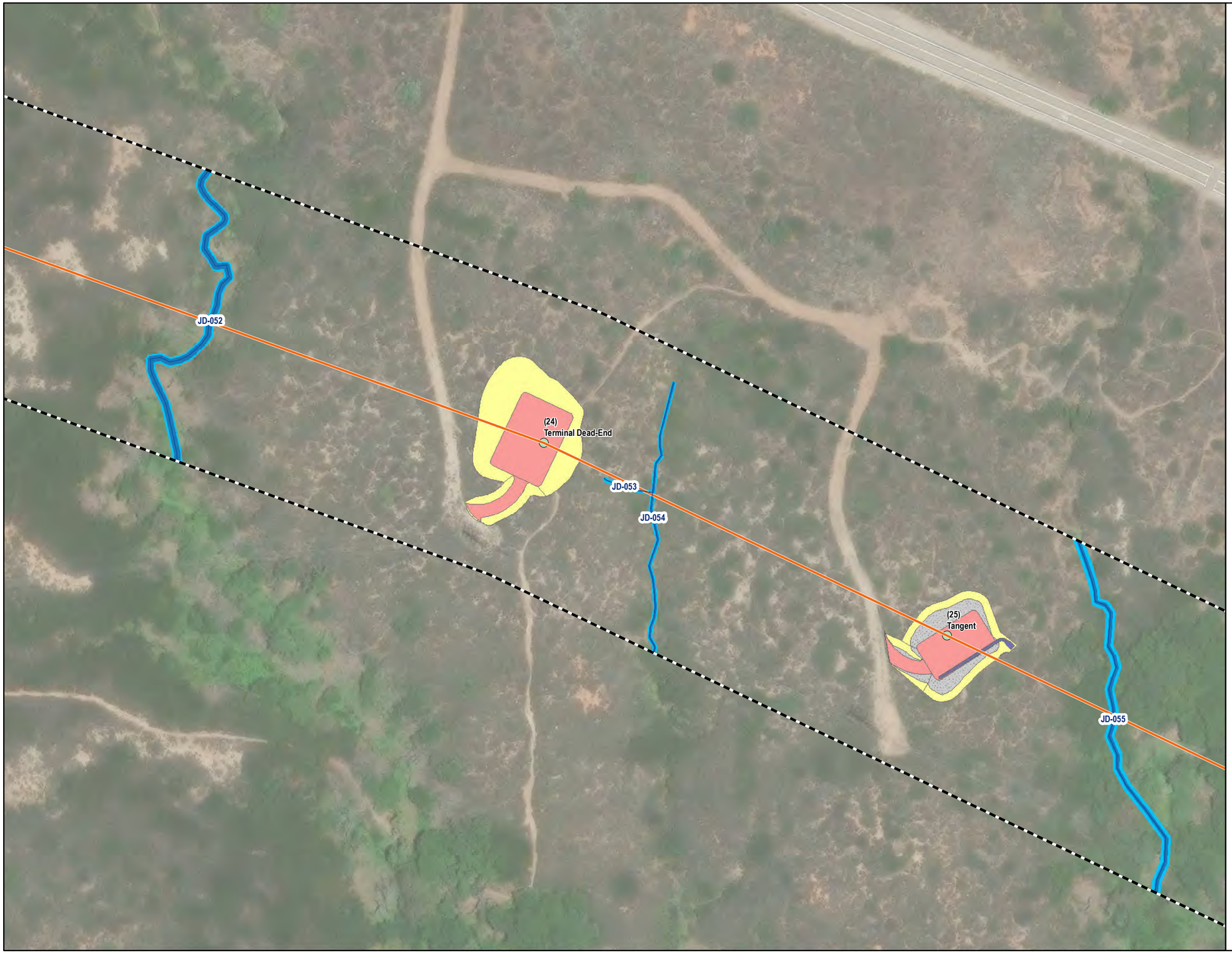
SDGE



Attachment A:
Aquatic Resources Delineation Map

Map 33 of 68

Suncrest 230 Kilovolt Loop-In Project

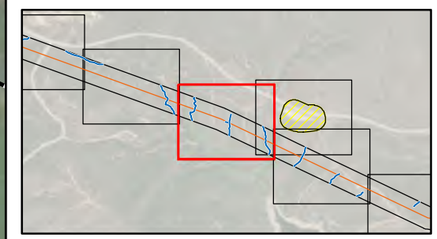
- Survey Area
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Conventional Pole
- Proposed 230 kV OH Segment

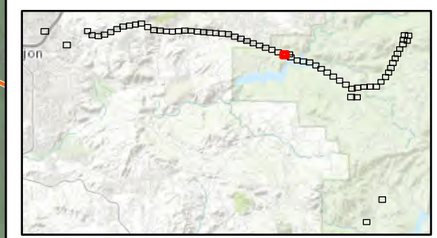
Permanent Component

- Drainage Swale
- Grading
- Pad/Access Road

Temporary Component

- Temporary Workspace





1:1,200

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 34 of 68

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Area Not Accessed
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed 230 kV OH Segment

Permanent Component

- Drainage Swale
- Grading
- Pad/Access Road

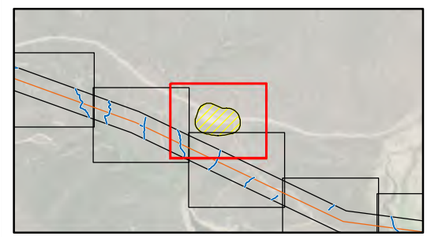
Temporary Component

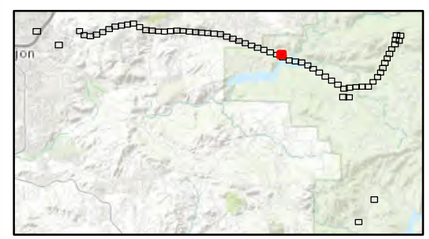
- Temporary Workspace
- Staging Yard/Fly Yard

Sweetwater Staging/Fly Yard

JD-055

JD-056





1:1,200

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 35 of 68

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Area Not Accessed
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Conventional Pole
- Proposed 230 kV OH Segment

Permanent Component

- Drainage Swale
- Grading
- Pad/Access Road

Temporary Component

- Grading
- Stringing Site
- Temporary Workspace

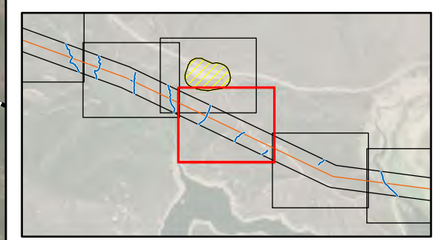
JD-056

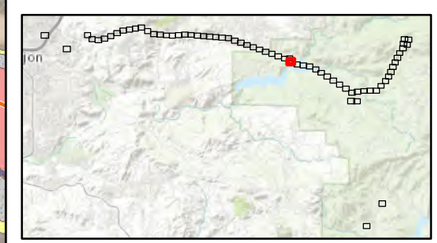
(26)
Tangent

JD-057

(27)
Terminal Dead-End

JD-058





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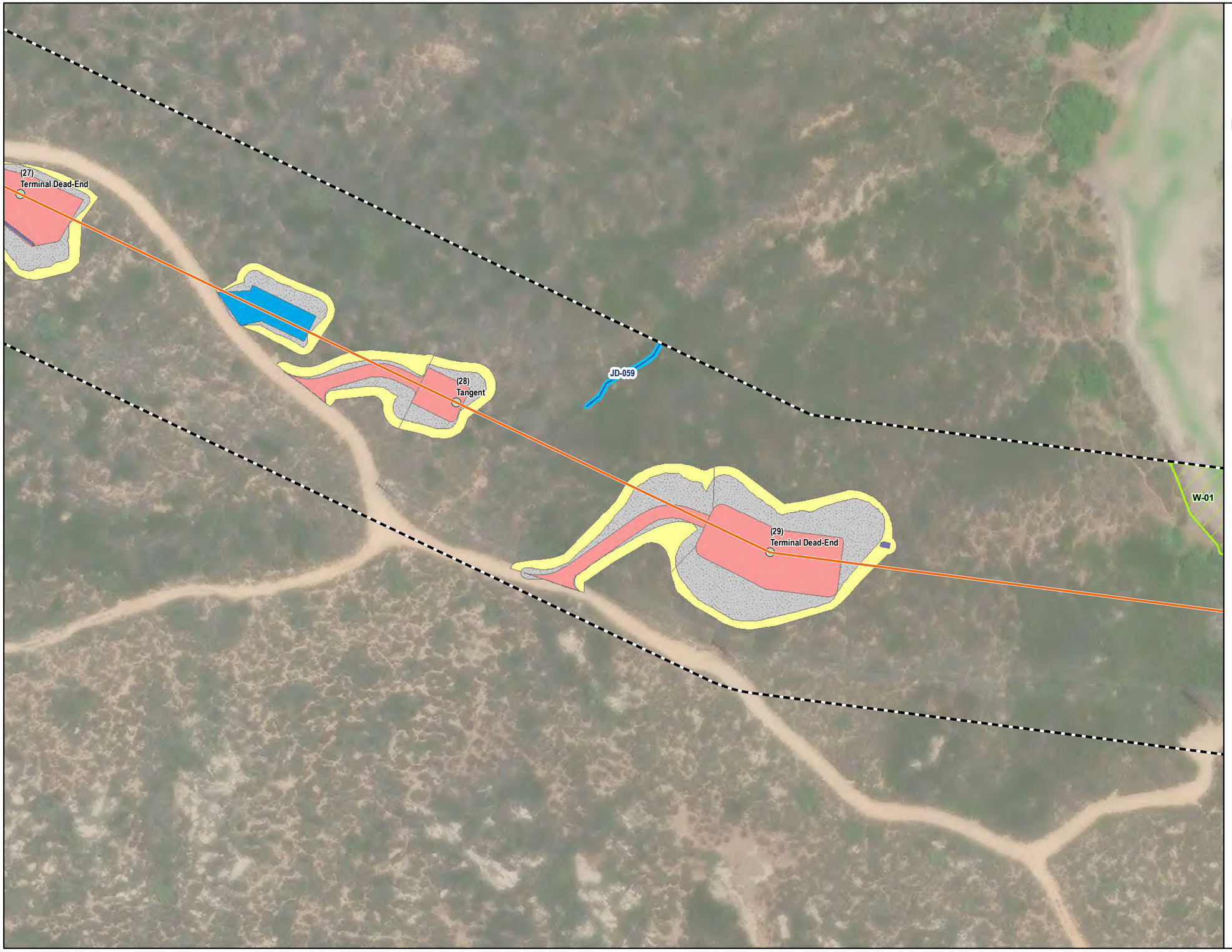


Attachment A:
Aquatic Resources Delineation Map

Map 36 of 68

Suncrest 230 Kilovolt Loop-In Project

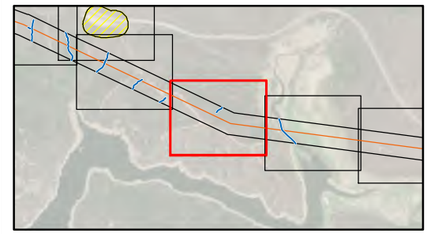
- Survey Area
- Feature Centerline
- Potential Wetland
- Ordinary High Water Mark
- Top of Bank
- Proposed Conventional Pole
- Proposed 230 kV OH Segment

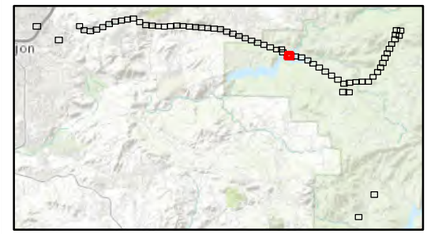
Permanent Component

- Drainage Swale
- Grading
- Pad/Access Road
- Stringing Site

Temporary Component

- Temporary Workspace





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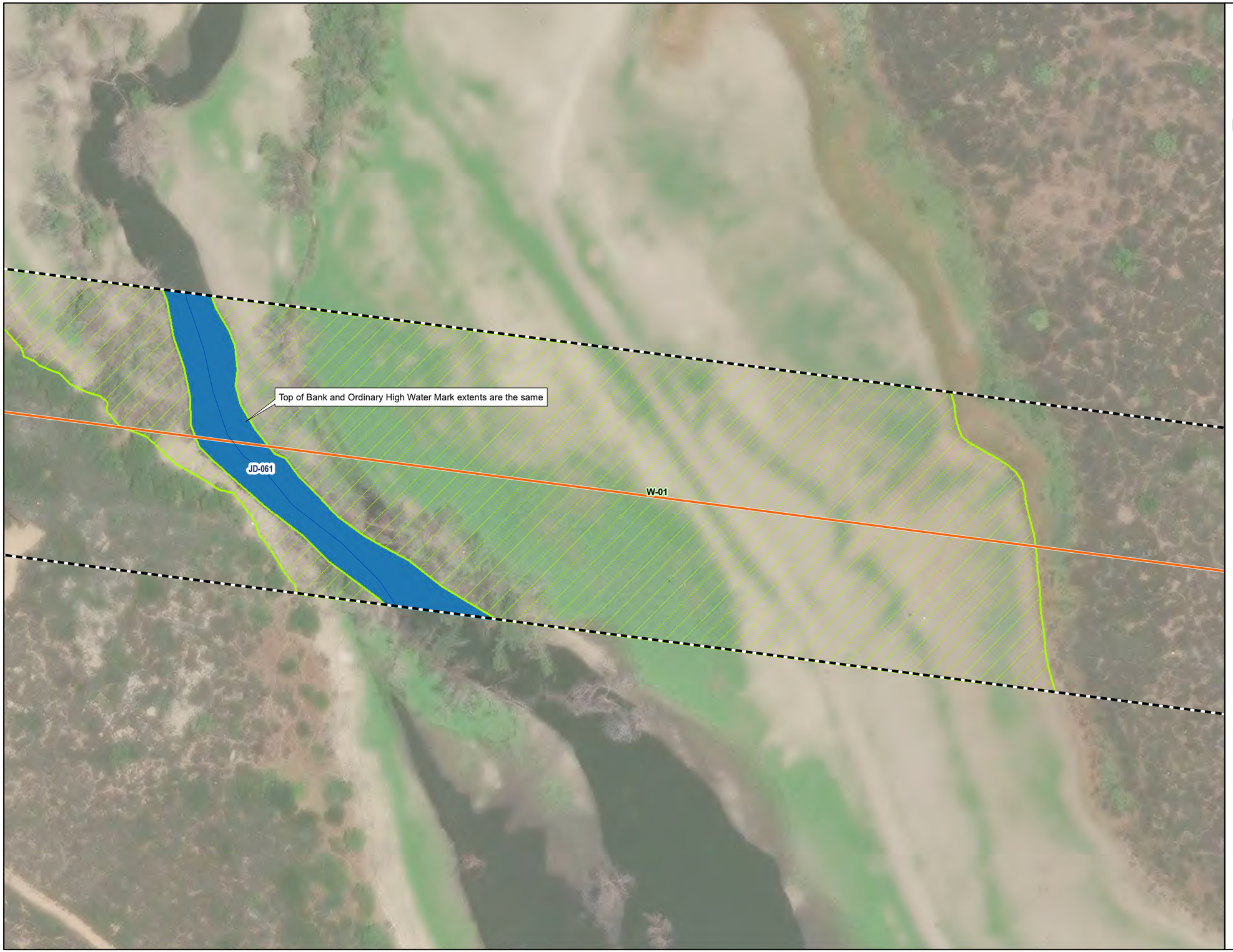
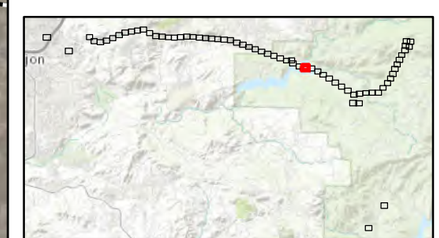


Attachment A:
Aquatic Resources Delineation Map

Map 37 of 68

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Feature Centerline
- Potential Wetland
- Ordinary High Water Mark
- Top of Bank
- Proposed 230 kV OH Segment



1:1,200

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 38 of 68

Suncrest 230 Kilovolt Loop-In Project

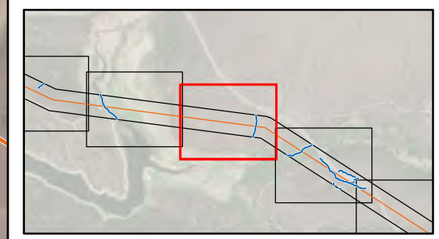
- Survey Area
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Conventional Pole
- Proposed 230 kV OH Segment

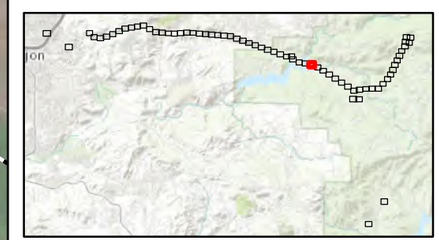
Permanent Component

- Grading
- Pad/Access Road

Temporary Component

- Temporary Workspace





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SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 39 of 68

Suncrest 230 Kilovolt Loop-In Project

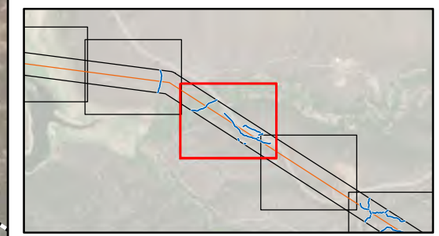
- Survey Area
- Culvert
- Feature Centerline
- Potential Wetland
- Ordinary High Water Mark
- Top of Bank
- Proposed Conventional Pole
- Proposed 230 kV OH Segment

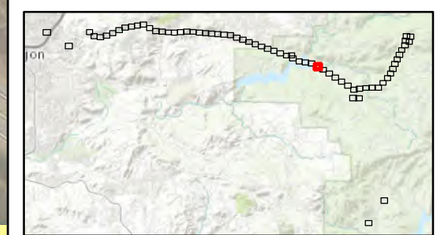
Permanent Component

- Grading
- Pad/Access Road

Temporary Component

- Temporary Workspace





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0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 40 of 68

Suncrest 230 Kilovolt Loop-In Project

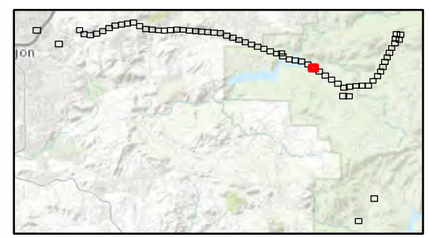
- Survey Area
- Culvert
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Conventional Pole
- Proposed 230 kV OH Segment

Permanent Component

- Grading
- Pad/Access Road
- RipRap

Temporary Component

- Guard Structure
- Temporary Workspace



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SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 41 of 68

Suncrest 230 Kilovolt Loop-In Project

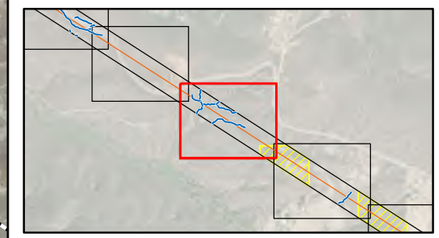
- Survey Area
- Area Not Accessed
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- NWI Feature (Riverine)
- Proposed Helicopter Pole
- Proposed Conventional Pole
- Proposed 230 kV OH Segment

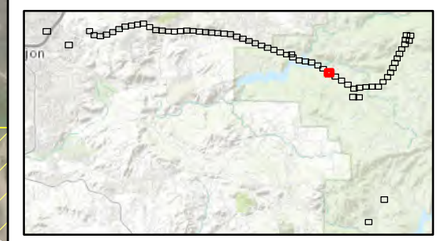
Permanent Component

- Helicopter Landing
- Pad/Access Road
- RipRap

Temporary Component

- Guard Structure
- Temporary Workspace





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0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 42 of 68

Suncrest 230 Kilovolt Loop-In Project

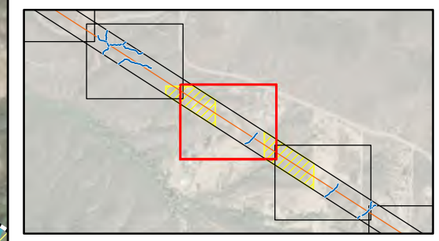
- Survey Area
- Area Not Accessed
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- NWI Feature (Riverine)
- Proposed Conventional Pole
- Proposed 230 kV OH Segment

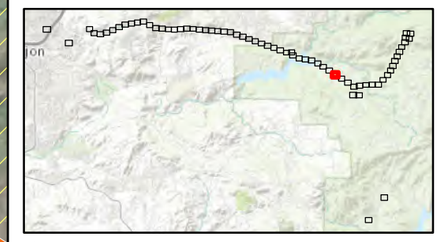
Permanent Component

- Drainage Swale
- Pad/Access Road

Temporary Component

- Temporary Workspace





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SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 43 of 68

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Area Not Accessed
- Culvert
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- NWI Feature (Riverine)
- Proposed Conventional Pole
- Proposed 230 kV OH Segment

Permanent Component

- Pad/Access Road

Temporary Component

- Temporary Workspace

(41.1) Distribution Pole

(41) Tangent

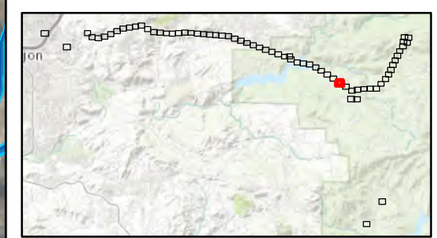
(42) Tangent

JD-076

JD-077

JD-079

JD-080



1:1,200

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 44 of 68

Suncrest 230 Kilovolt Loop-In Project

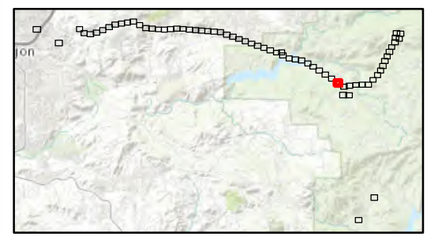
- Survey Area
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Helicopter Pole
- Proposed Conventional Pole
- Proposed 230 kV OH Segment

Permanent Component

- New Footpath
- Pad/Access Road

Temporary Component

- Temporary Workspace



1:1,200

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 45 of 68

Suncrest 230 Kilovolt Loop-In Project

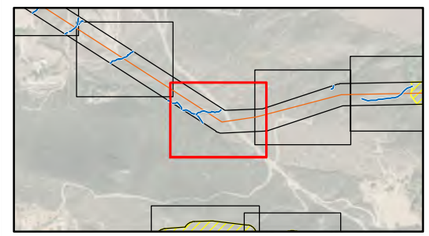
- Survey Area
- Culvert
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Helicopter Pole
- Proposed Conventional Pole
- Proposed 230 kV OH Segment

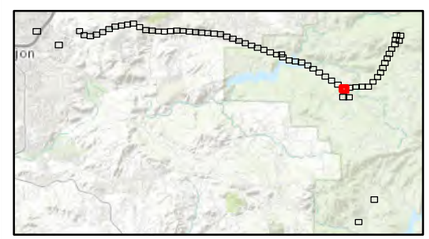
Permanent Component

- Grading
- New Footpath
- Pad/Access Road

Temporary Component

- Guard Structure
- Temporary Workspace





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0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 46 of 68

Suncrest 230 Kilovolt Loop-In Project

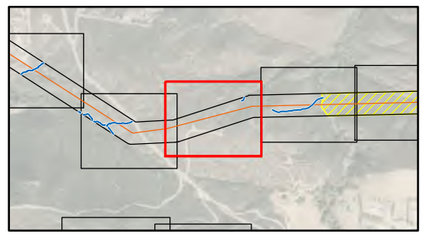
- Survey Area
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Helicopter Pole
- Proposed Conventional Pole
- Proposed 230 kV OH Segment

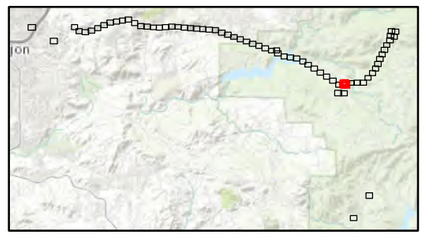
Permanent Component

- Drainage Swale
- Grading
- Helicopter Landing
- Pad/Access Road

Temporary Component

- Grading
- Stringing Site
- Temporary Workspace





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0 100 200 Feet

SDGE

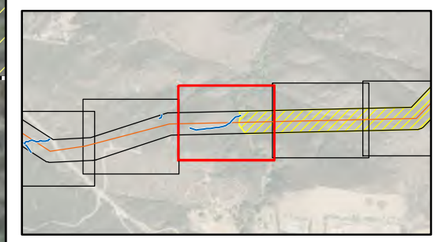
Attachment A:
Aquatic Resources Delineation Map

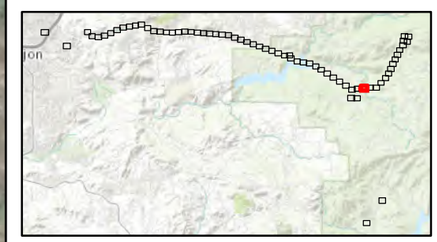
Map 47 of 68

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Area Not Accessed
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- NWI Feature (Riverine)
- Proposed 230 kV OH Segment

JD-085





1:1,200

0 100 200 Feet

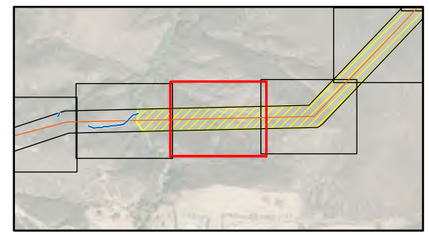
SDGE

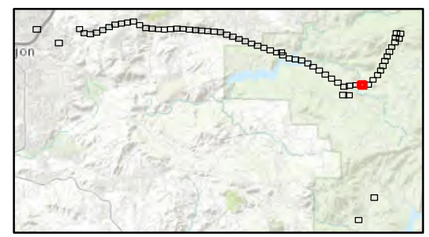
Attachment A:
Aquatic Resources Delineation Map

Map 48 of 68

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Area Not Accessed
- NWI Feature (Riverine)
- Proposed 230 kV OH Segment





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0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 49 of 68

Suncrest 230 Kilovolt Loop-In Project

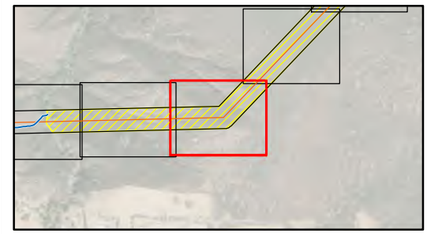
- Survey Area
- Area Not Accessed
- NWI Feature (Riverine)
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

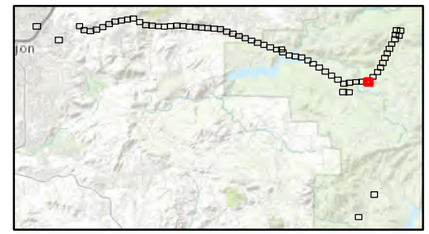
Permanent Component

- Helicopter Landing
- Pad/Access Road

Temporary Component

- Temporary Workspace





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0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 50 of 68

Suncrest 230 Kilovolt Loop-In Project

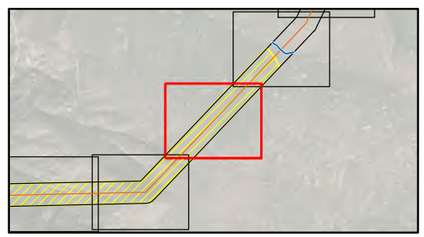
- Survey Area
- Area Not Accessed
- NWI Feature (Riverine)
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

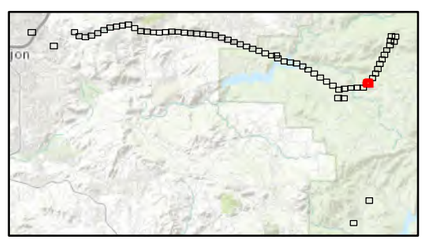
Permanent Component

- Helicopter Landing
- Pad/Access Road

Temporary Component

- Temporary Workspace





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0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 51 of 68

Suncrest 230 Kilovolt Loop-In Project

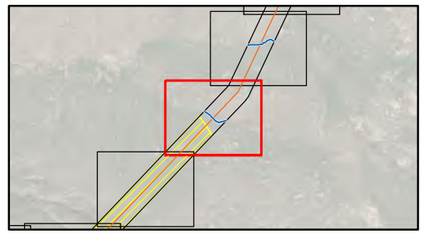
- Survey Area
- Area Not Accessed
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- NWI Feature (Riverine)
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

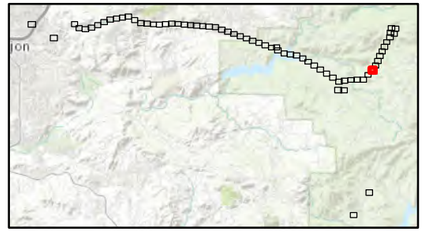
Permanent Component

- Helicopter Landing
- Pad/Access Road

Temporary Component

- Temporary Workspace





1:1,200

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

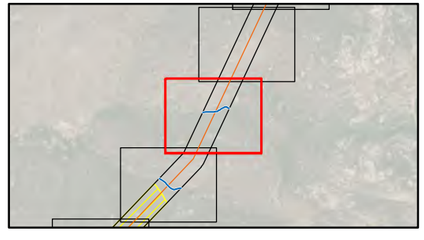
Map 52 of 68

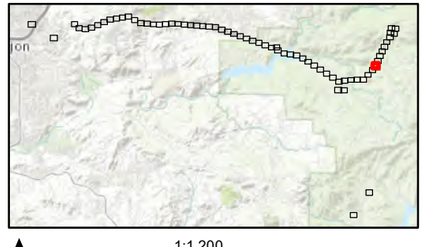
Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed 230 kV OH Segment

Permanent Component

- Helicopter Landing





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0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 53 of 68

Suncrest 230 Kilovolt Loop-In Project

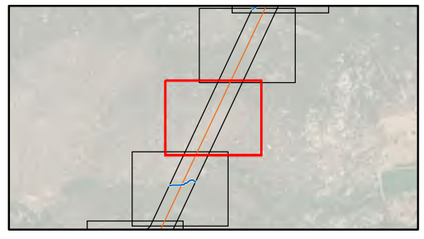
Survey Area
Proposed Helicopter Pole
Proposed 230 kV OH Segment

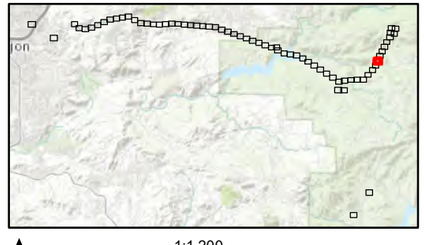
Permanent Component

Helicopter Landing
Pad/Access Road

Temporary Component

Temporary Workspace





1:1,200
0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 54 of 68

Suncrest 230 Kilovolt Loop-In Project

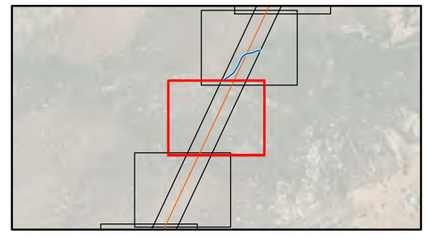
- Survey Area
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

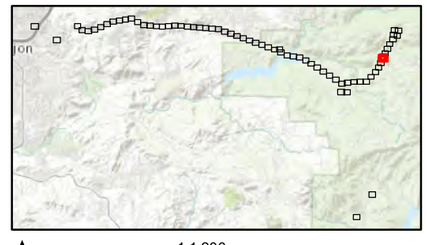
Permanent Component

- Helicopter Landing
- Pad/Access Road

Temporary Component

- Temporary Workspace





1:1,200

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 55 of 68

Suncrest 230 Kilovolt Loop-In Project

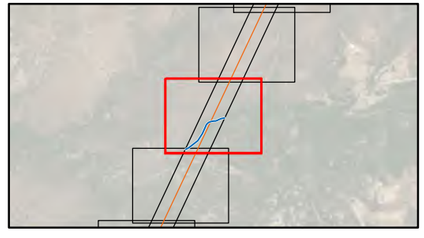
- Survey Area
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed 230 kV OH Segment

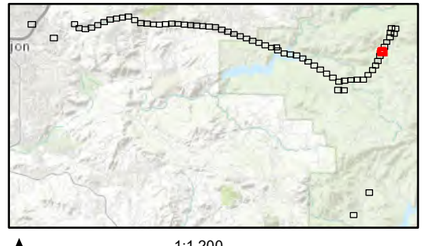
Permanent Component

- Helicopter Landing

Temporary Component

- Temporary Workspace





1:1,200

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 56 of 68

Suncrest 230 Kilovolt Loop-In Project

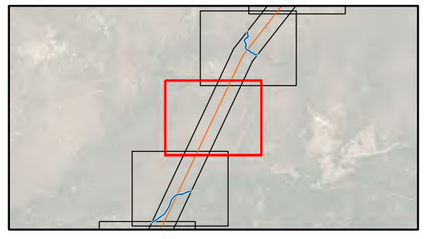
Survey Area
Proposed Helicopter Pole
Proposed 230 kV OH Segment

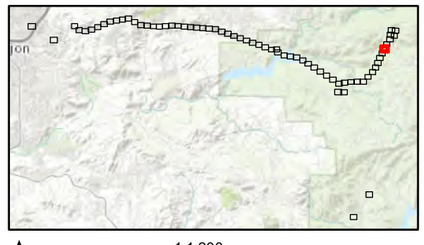
Permanent Component

Helicopter Landing
Pad/Access Road

Temporary Component

Temporary Workspace





1:1,200
0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 57 of 68

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Helicopter Pole
- Proposed 230 kV OH Segment

Permanent Component

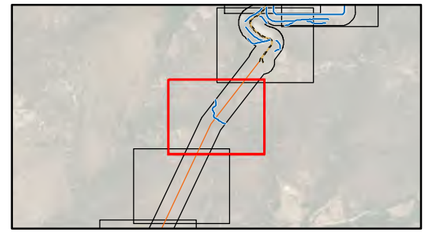
- Helicopter Landing
- Pad/Access Road

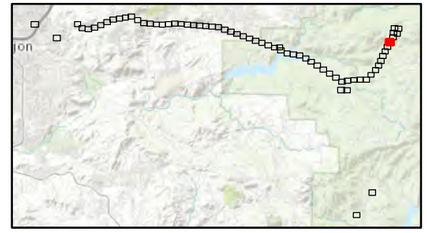
Temporary Component

- Temporary Workspace

JD-089

(56)
Terminal Dead-End





1:1,200

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 58 of 68

Suncrest 230 Kilovolt Loop-In Project

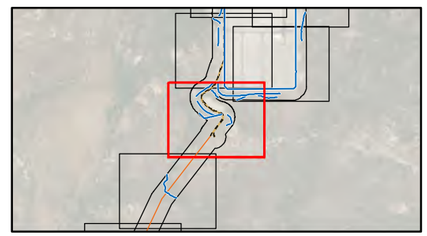
- Survey Area
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed Conventional Pole
- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Vault

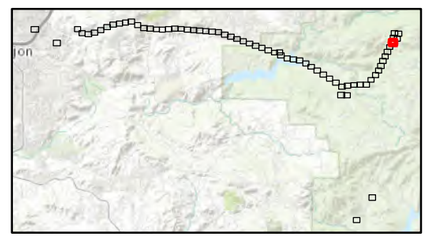
Permanent Component

- Grading
- Pad/Access Road
- Vault

Temporary Component

- Temporary Workspace
- Underground Trench





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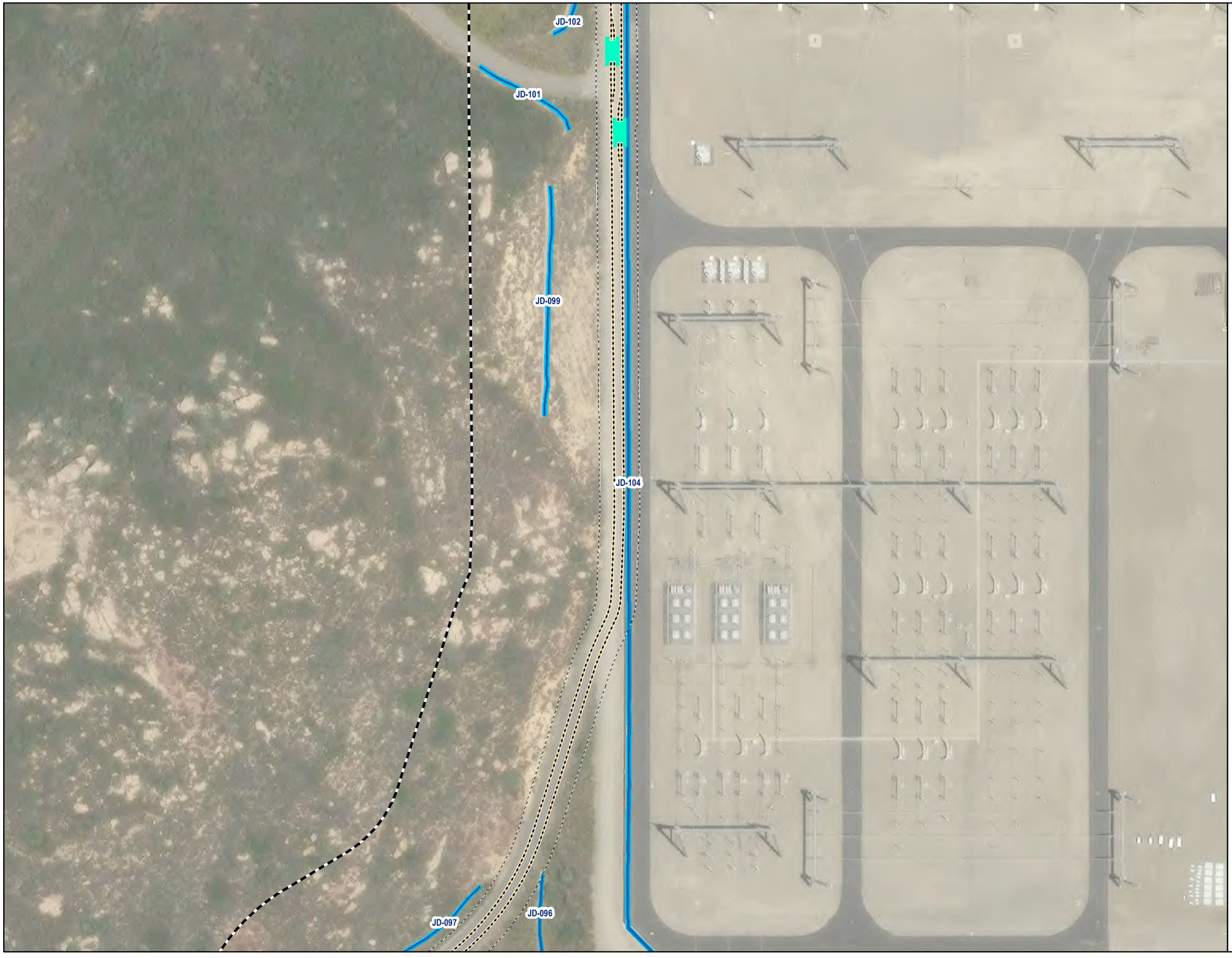
0 100 200 Feet

SDGE



Attachment A:
Aquatic Resources Delineation Map

Map 59 of 68

Suncrest 230 Kilovolt Loop-In Project

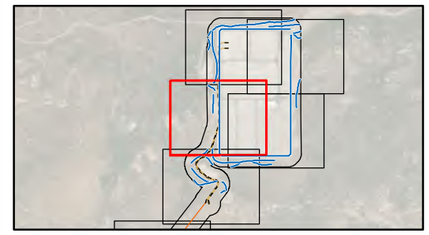
- Survey Area
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed 230 kV Eastern UG Segment
- Vault

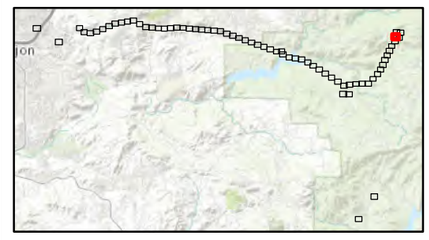
Permanent Component

- Vault

Temporary Component

- Underground Trench





1:1,200

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

Map 60 of 68

Suncrest 230 Kilovolt Loop-In Project

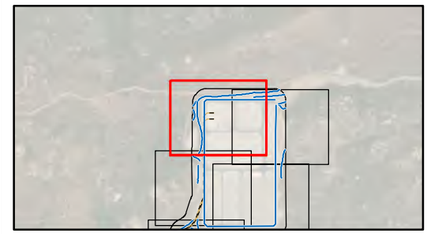
- Survey Area
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank
- Proposed 230 kV Eastern UG Segment
- Vault

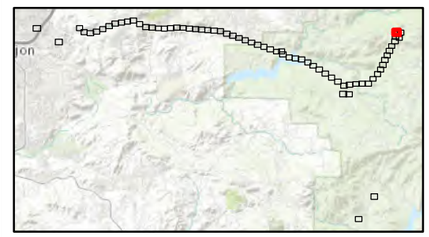
Permanent Component

- Vault

Temporary Component

- Underground Trench





1:1,200

0 100 200 Feet

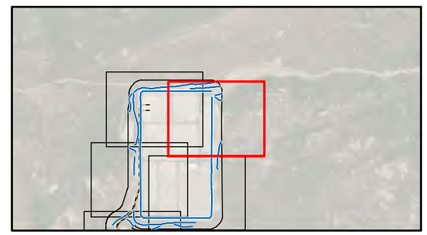
SDGE

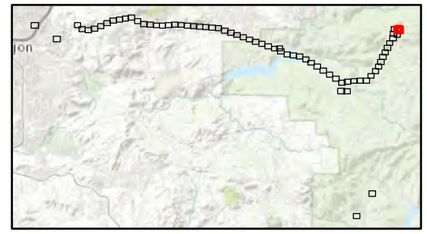
Attachment A:
Aquatic Resources Delineation Map

Map 61 of 68

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Culvert
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank





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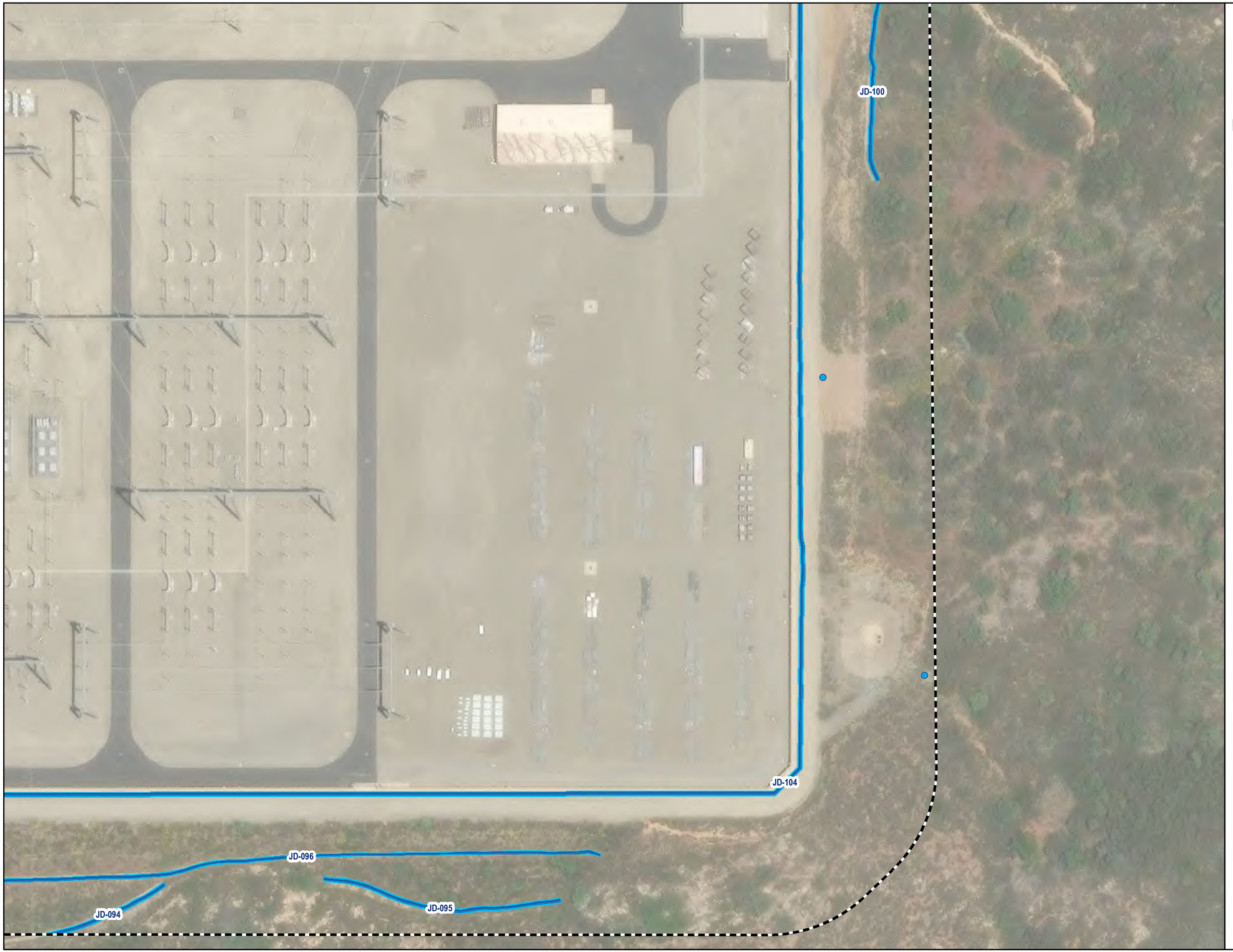
0 100 200 Feet

SDGE

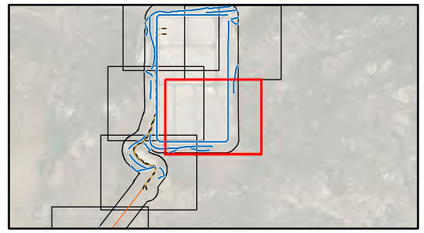


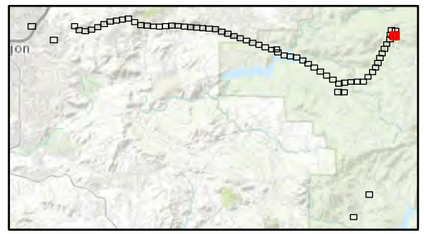
Attachment A:
Aquatic Resources Delineation Map

Map 62 of 68

Suncrest 230 Kilovolt Loop-In Project

- Survey Area
- Culvert
- Feature Centerline
- Ordinary High Water Mark
- Top of Bank





1:1,200

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

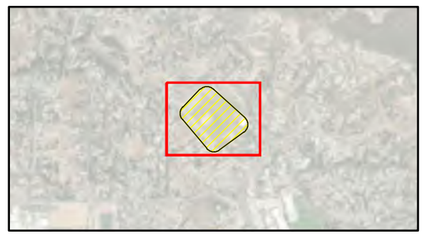
Map 63 of 68

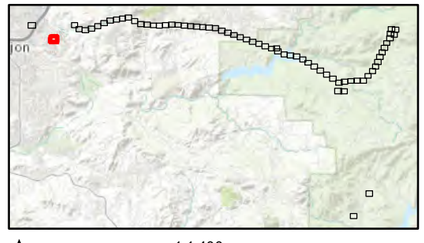
Suncrest 230 Kilovolt Loop-In Project

Survey Area
Area Not Accessed

Temporary Component

Staging Yard





1:1,400

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

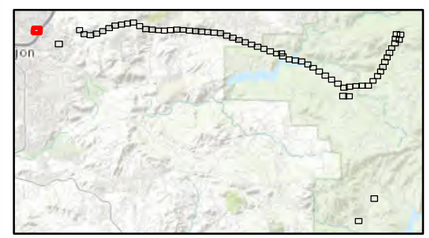
Map 64 of 68

Suncrest 230 Kilovolt Loop-In Project

Survey Area
Area Not Accessed

Temporary Component

Staging Yard



1:1,400

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

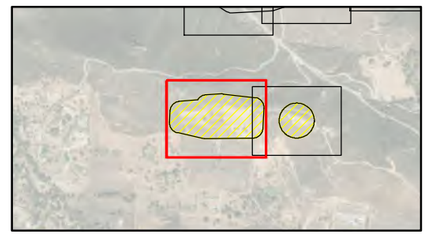
Map 65 of 68

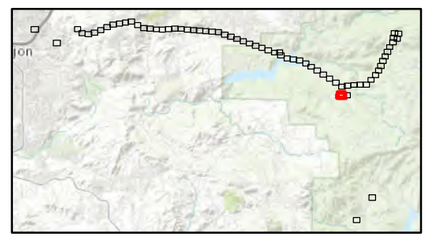
Suncrest 230 Kilovolt Loop-In Project

Survey Area
Area Not Accessed

Temporary Component

Staging Yard





1:1,300

0 100 200 Feet

SDGE

Attachment A:
Aquatic Resources Delineation Map

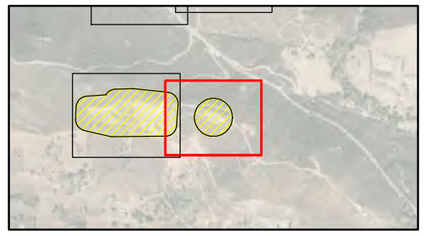
Map 66 of 68

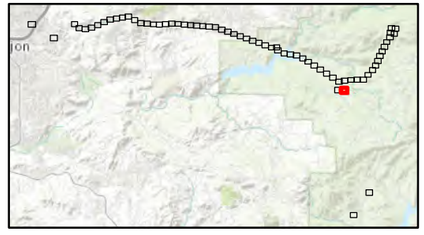
Suncrest 230 Kilovolt Loop-In Project

Survey Area
Area Not Accessed
NWI Feature (Freshwater Pond)

Temporary Component

Fly Yard
Staging Yard





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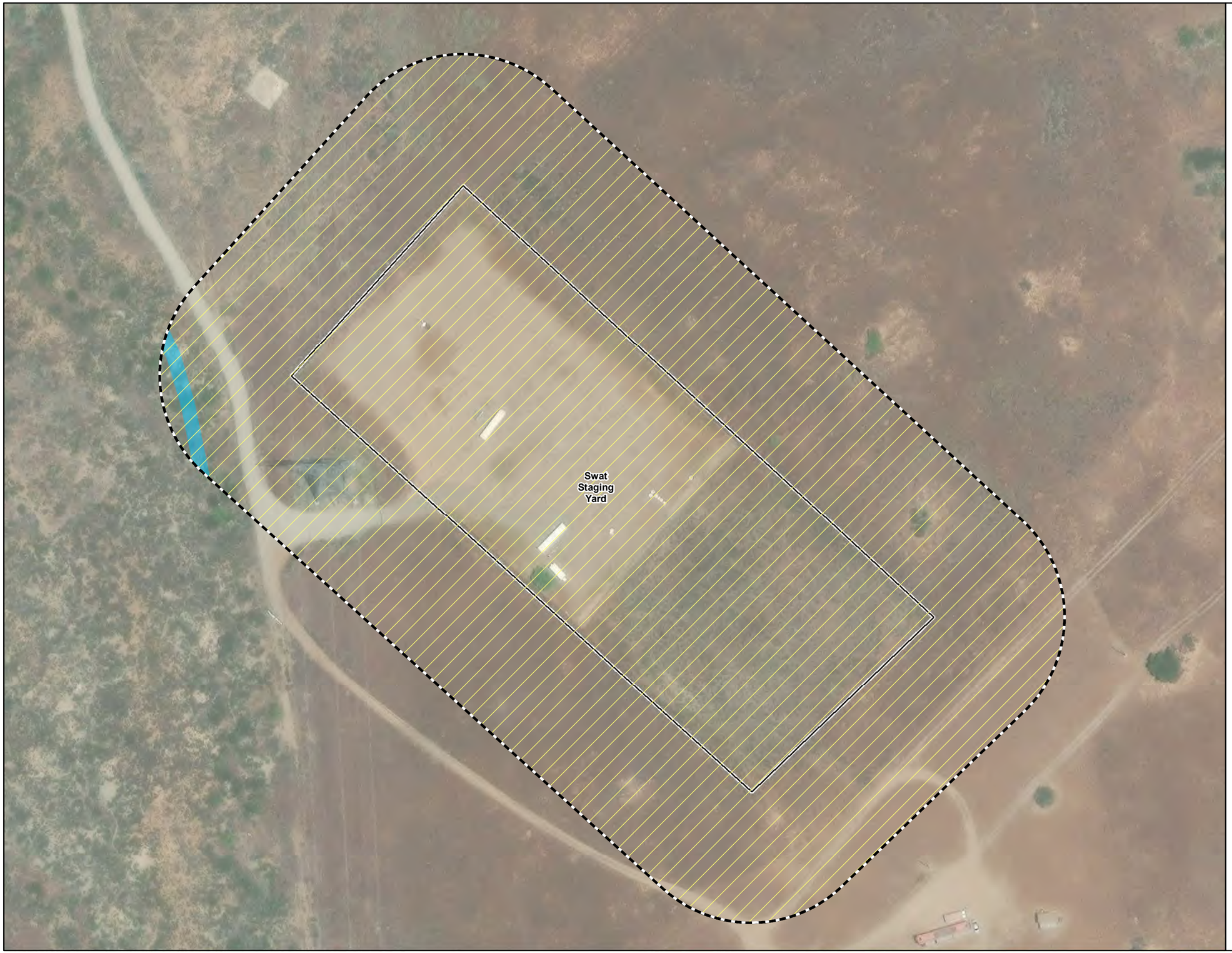
SDGE



Attachment A:
Aquatic Resources Delineation Map

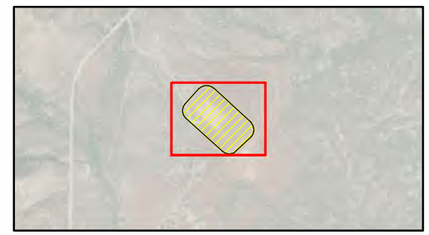
Map 67 of 68

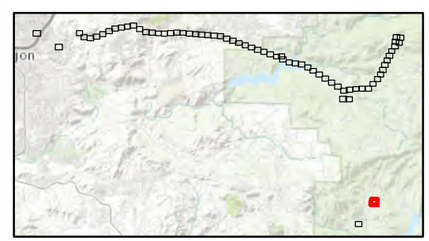
Suncrest 230 Kilovolt Loop-In Project

Survey Area
Area Not Accessed
NWI Feature (Riverine)

Temporary Component

Staging Yard

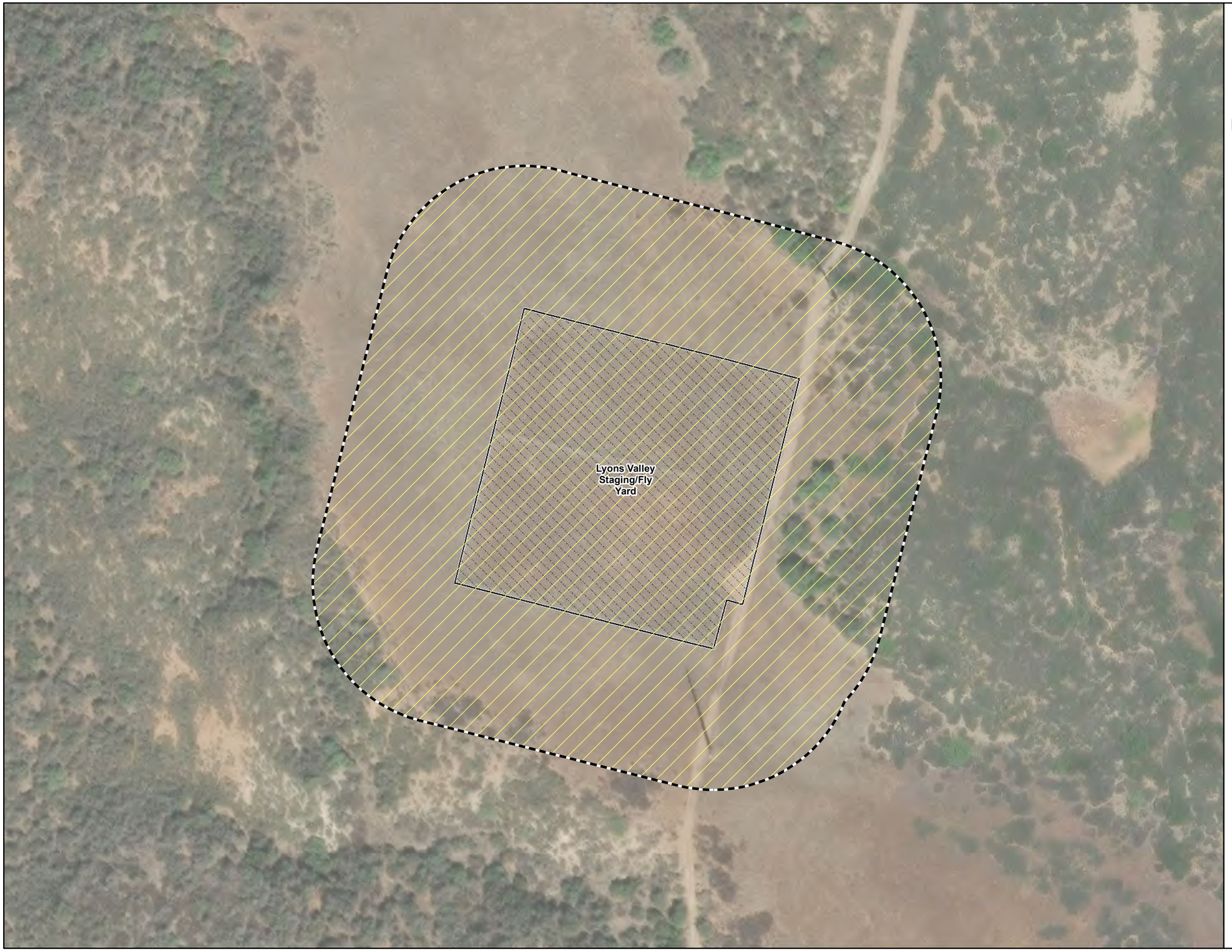




1:1,300

0 100 200 Feet

SDGE



Attachment A:
Aquatic Resources Delineation Map

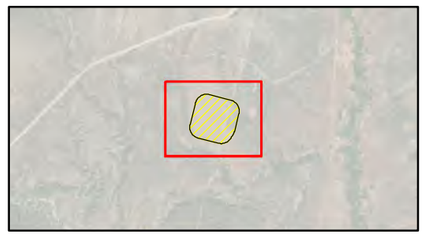
Map 68 of 68

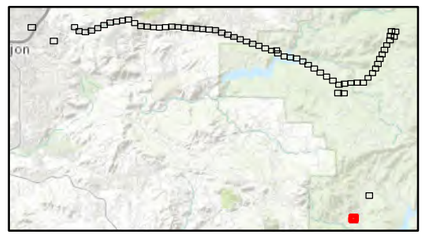
Suncrest 230 Kilovolt Loop-In Project

Survey Area
Area Not Accessed

Temporary Component

Staging Yard/Fly Yard





1:1,200

0 100 200 Feet

SDGE

ATTACHMENT B: PHOTOGRAPH LOG

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ATTACHMENT B: PHOTOGRAPH LOG

Photograph 1: Jurisdictional Drainage (JD-) 001, facing downstream.

Photograph 2: JD-001, facing upstream.

Photograph 3: JD-002, facing downstream.

Photograph 4: JD-003, facing upstream.

Photograph 5: JD-003, facing downstream.

Photograph 6: JD-003, facing upstream.

Photograph 7: JD-004, facing downstream.

Photograph 8: JD-004, facing upstream.

Photograph 9: JD-005, facing downstream.

Photograph 10: JD-006, facing upstream.

Photograph 11: JD-006, facing downstream.

Photograph 12: JD-007, facing downstream.

Photograph 13: JD-007, facing upstream.

Photograph 14: JD-008, facing downstream.

Photograph 15: JD-008, facing upstream.

Photograph 16: JD-009, facing downstream.

Photograph 17: JD-009, facing upstream.

Photograph 18: JD-010, facing downstream.

Photograph 19: JD-010, facing upstream.

Photograph 20: JD-011, facing downstream.

Photograph 21: JD-011, facing upstream.

Photograph 22: JD-012, facing downstream.

Photograph 23: JD-013, facing downstream.

Photograph 24: JD-013, facing upstream.

Photograph 25
JD-014, facing downstream.

Photograph 26:
JD-014, facing upstream.

Photograph 27: JD-015, facing downstream.

Photograph 28: JD-015, facing upstream.

Photograph 29: JD-016, facing downstream.

Photograph 30: JD-017, facing downstream.

Photograph 31: JD-017, facing upstream.

Photograph 32: JD-018, facing downstream.

Photograph 33: JD-018, facing upstream.

Photograph 34: JD-019, facing downstream.

Photograph 35: JD-019, facing upstream.

Photograph 36: JD-020, facing downstream.

Photograph 37: JD-020, facing upstream.

Photograph 38: JD-021, facing downstream.

Photograph 39: JD-021, facing upstream.

Photograph 40: JD-022, facing downstream.

Photograph 41: JD-022, facing upstream.

Photograph 42: JD-023, facing downstream.

Photograph 43: JD-023, facing upstream.

Photograph 44: JD-024, facing downstream.

Photograph 45: JD-024, facing upstream.

Photograph 46: JD-025, facing downstream.

Photograph 47: JD-025, facing upstream.

Photograph 48: JD-026, facing downstream.

Photograph 49: JD-026, facing upstream.

Photograph 50: JD-027, facing downstream.

Photograph 51: JD-028, facing downstream.

Photograph 52: JD-028, facing upstream.

Photograph 53: JD-029, facing downstream.

Photograph 54: JD-029, facing upstream.

Photograph 55: JD-030, facing downstream.

Photograph 56: JD-030, facing upstream.

Photograph 57: JD-031, facing downstream.

Photograph 58: JD-031, facing upstream.

Photograph 59: JD-032, facing downstream.

Photograph 60: JD-032, facing upstream.

Photograph 61: JD-033, facing downstream.

Photograph 62: JD-033, facing upstream.

Photograph 63: JD-034, facing downstream.

Photograph 64: JD-034, facing upstream.

Photograph 65: JD-035, facing downstream.

Photograph 66: JD-035, facing upstream.

Photograph 67: JD-036, facing downstream.

Photograph 68: JD-036, facing upstream.

Photograph 69: JD-037, facing downstream.

Photograph 70: JD-037, facing upstream.

Photograph 71: JD-038, facing downstream.

Photograph 72: JD-038, facing upstream.

Photograph 73: JD-039, facing downstream.

Photograph 74: JD-039, facing upstream.

Photograph 75: JD-040, facing upstream.

Photograph 76: JD-040, facing downstream.

Photograph 77: JD-041, facing downstream.

Photograph 78: JD-042, facing upstream.

Photograph 79: JD-042, facing downstream.

Photograph 80: JD-043, facing downstream.

Photograph 81: JD-043, facing upstream.

Photograph 82: JD-044, facing downstream.

Photograph 83: JD-044, facing upstream.

Photograph 84: JD-045, facing downstream.

Photograph 85: JD-045, facing upstream.

Photograph 86: JD-046, facing downstream.

Photograph 87: JD-046, facing upstream.

Photograph 88: JD-047, facing downstream.

Photograph 89: JD-047, facing upstream.

Photograph 90: JD-048, facing downstream.

Photograph 91: JD-048, facing upstream.

Photograph 92: JD-049, facing downstream.

Photograph 93: JD-049, facing upstream.

Photograph 94: JD-050, facing downstream.

Photograph 95: JD-050, facing upstream.

Photograph 96: JD-051, facing downstream.

Photograph 97: JD-051, facing upstream.

Photograph 98: JD-052, facing upstream.

Photograph 99: JD-052, facing downstream.

Photograph 100: JD-053, facing downstream.

Photograph 101:
JD-054, facing downstream.

Photograph 102:
JD-054, facing upstream.

Photograph 103: JD-055, facing upstream.

Photograph 104: JD-055, facing downstream.

Photograph 105:
JD-056, facing downstream.

Photograph 106:
JD-056, facing upstream.

Photograph 107:
JD-057, facing downstream.

Photograph 108:
JD-057, facing upstream.

Photograph 109:
JD-058, facing downstream.

Photograph 110:
JD-058, facing upstream.

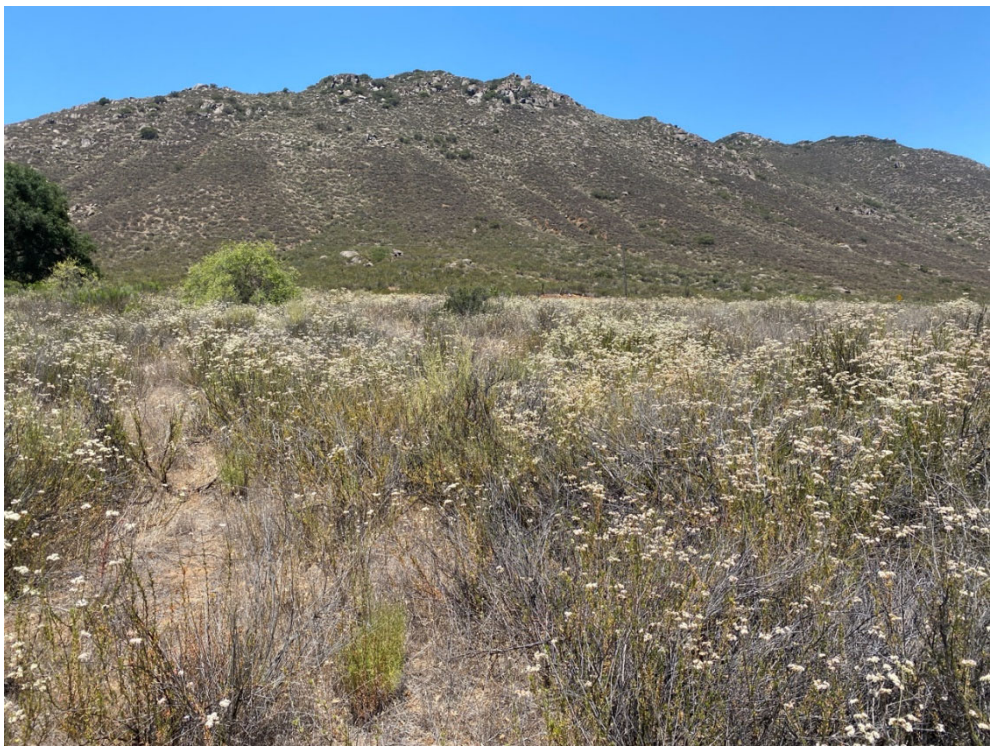
Photograph 111:
JD-059, facing downstream.

Photograph 112:
JD-059, facing upstream.

Photograph 113:
JD-061, facing upstream.

Photograph 114:
JD-061, facing downstream.

Photograph 115: JD-063, facing downstream.



Photograph 116: JD-063, facing upstream.

Photograph 117:
JD-064, facing downstream.

Photograph 118:
JD-064, facing upstream.

Photograph 119: JD-065, facing downstream.

Photograph 120: JD-065, facing upstream.

Photograph 121: JD-066, facing downstream.

Photograph 122: JD-066, facing upstream.

Photograph 123: JD-067, facing downstream.

Photograph 124: JD-067, facing upstream.

Photograph 125:
JD-068, facing downstream.

Photograph 126:
JD-068, facing upstream.

Photograph 127:
JD-069, facing downstream.

Photograph 128:
JD-069, facing upstream.

Photograph 129:
JD-070, facing downstream.

Photograph 130:
JD-070, facing upstream.

Photograph 131: JD-071, facing downstream.

Photograph 132: JD-071, facing upstream.

Photograph 133:
JD-072, facing downstream.

Photograph 134:
JD-072, facing upstream.

Photograph 135: JD-073, facing downstream.

Photograph 136: JD-073, facing upstream.

Photograph 137:
JD-074, facing downstream.

Photograph 138:
JD-074, facing upstream.

Photograph 139:
JD-075, facing downstream.

Photograph 140:
JD-075, facing upstream.

Photograph 141: JD-076, facing downstream.

Photograph 142: JD-076, facing upstream.

Photograph 143: JD-077, facing downstream.

Photograph 144: JD-077, facing upstream.

Photograph 145:
JD-078, facing downstream.

Photograph 146:
JD-079, facing downstream.

Photograph 147:
JD-079, facing upstream.

Photograph 148:
JD-080, facing downstream.

Photograph 149:
JD-080, facing upstream.

Photograph 150:
JD-081, facing downstream.

Photograph 151: JD-081, facing upstream.

Photograph 152: JD-082, facing downstream.

Photograph 153:
JD-082, facing upstream.

Photograph 154:
JD-083, facing downstream.

Photograph 155: JD-083, facing upstream.

Photograph 156: JD-085, facing downstream.

Photograph 157:
JD-085, facing upstream.

Photograph 158:
JD-086, facing downstream.

Photograph 159: JD-086, facing upstream.

Photograph 160: JD-087, facing downstream.

Photograph 161:
JD-087, facing upstream.

Photograph 162:
JD-088, facing downstream.

Photograph 163: JD-088, facing upstream.

Photograph 164: JD-089, facing downstream.

Photograph 165:
JD-089, facing upstream.

Photograph 166:
JD-090, facing downstream.

Photograph 167:
JD-091, facing downstream.

Photograph 168:
JD-091, facing upstream.

Photograph 169:
JD-092, facing downstream.

Photograph 170:
JD-092, facing upstream.

Photograph 171: JD-093, facing downstream.

Photograph 172: JD-093, facing upstream.

Photograph 173:
JD-094, facing downstream.

Photograph 174:
JD-094, facing upstream.

Photograph 175:
JD-096, facing upstream.

Photograph 176:
JD-096, facing upstream.

Photograph 177:
JD-099, facing south.

Photograph 178:
JD-099, facing north.

Photograph 179:
JD-100, facing downstream.

Photograph 180:
JD-100, facing upstream.

Photograph 181:
JD-102, facing downstream.

Photograph 182:
JD-102, facing upstream.

Photograph 183:
JD-104, facing north.

Photograph 184:
JD-108 facing downstream.

ATTACHMENT C: ANTECEDENT PRECIPITATION TOOL RESULTS

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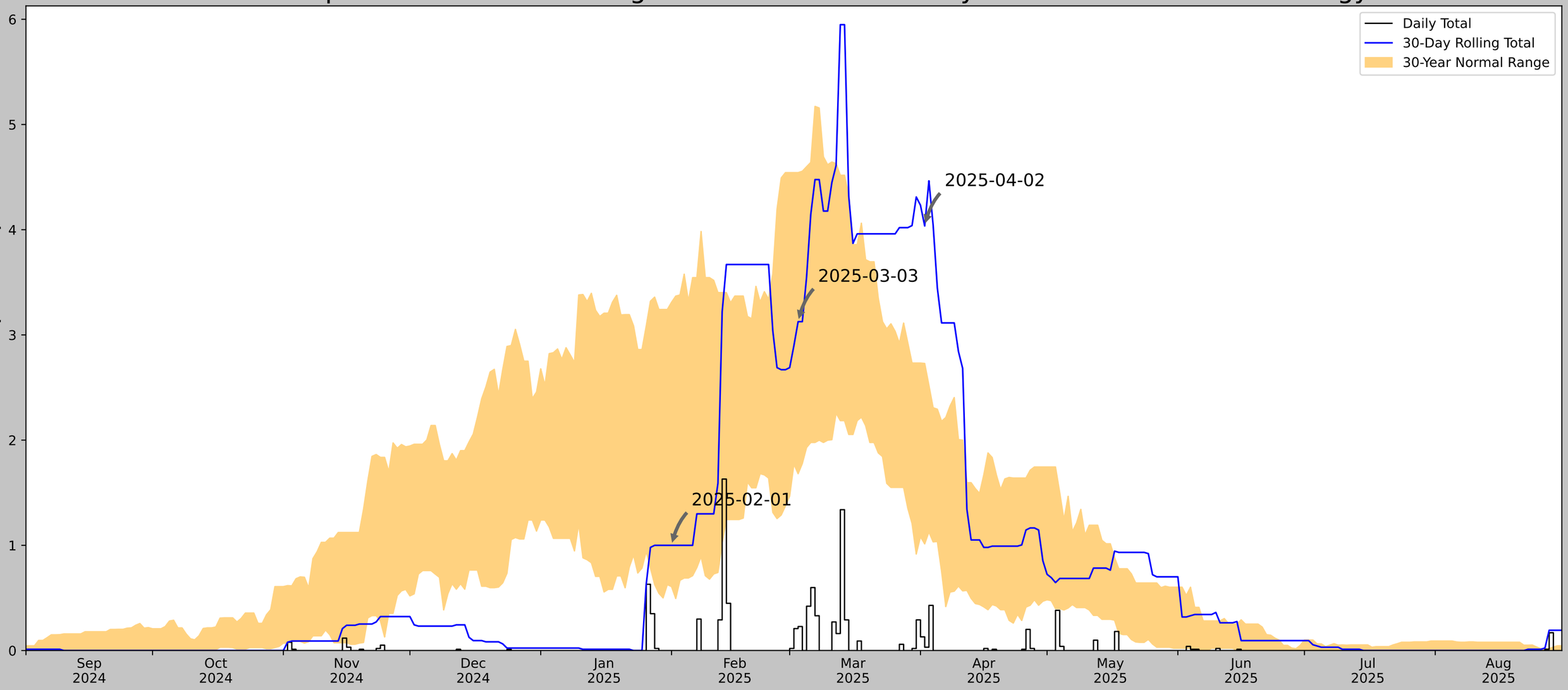


Coordinates	32.79683, -116.75666
Observation Date	2025-04-02
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-02	1.013386	2.729134	4.035433	Wet	3	3	9
2025-03-03	1.680315	4.542914	3.125984	Normal	2	2	4
2025-02-01	0.60748	3.310236	1.0	Normal	2	1	2
Result							Wetter than Normal - 15

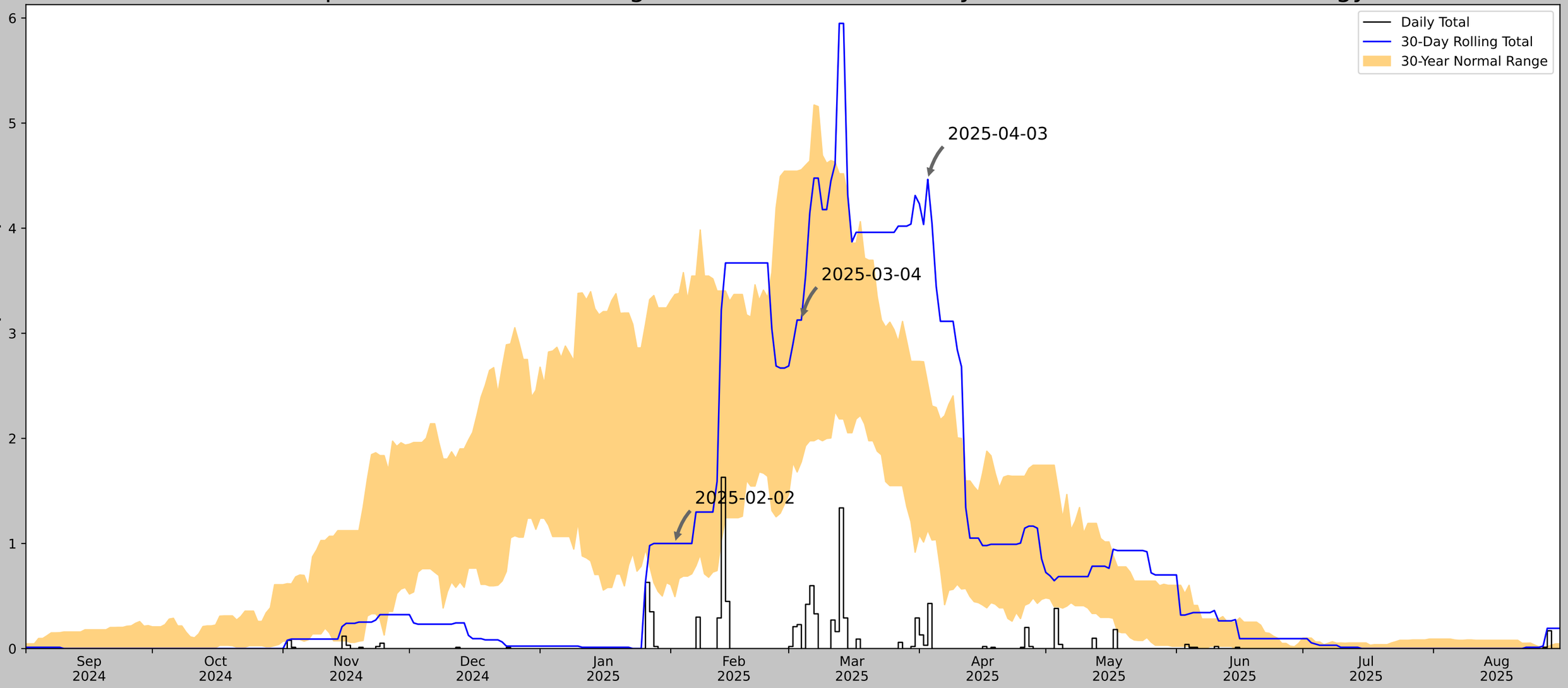
Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

US Army Corps of Engineers.
ERDC

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-04-03
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-03	1.127953	2.520866	4.464567	Wet	3	3	9
2025-03-04	1.777559	4.555906	3.125984	Normal	2	2	4
2025-02-02	0.494095	3.369291	1.0	Normal	2	1	2
Result							Wetter than Normal - 15

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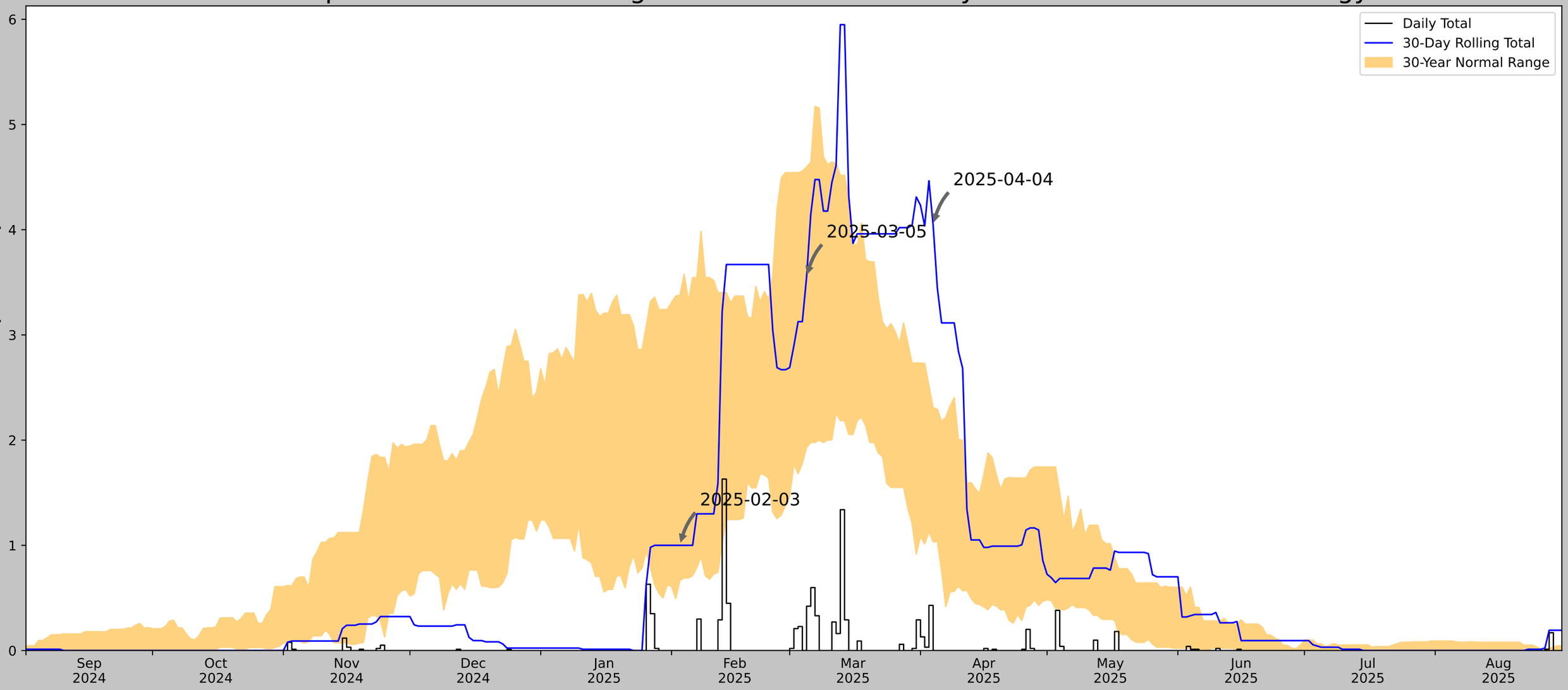
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-04-04
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-04	1.032677	2.307874	4.043307	Wet	3	3	9
2025-03-05	1.929134	4.598425	3.547244	Normal	2	2	4
2025-02-03	0.667323	3.379528	1.0	Normal	2	1	2
Result							Wetter than Normal - 15

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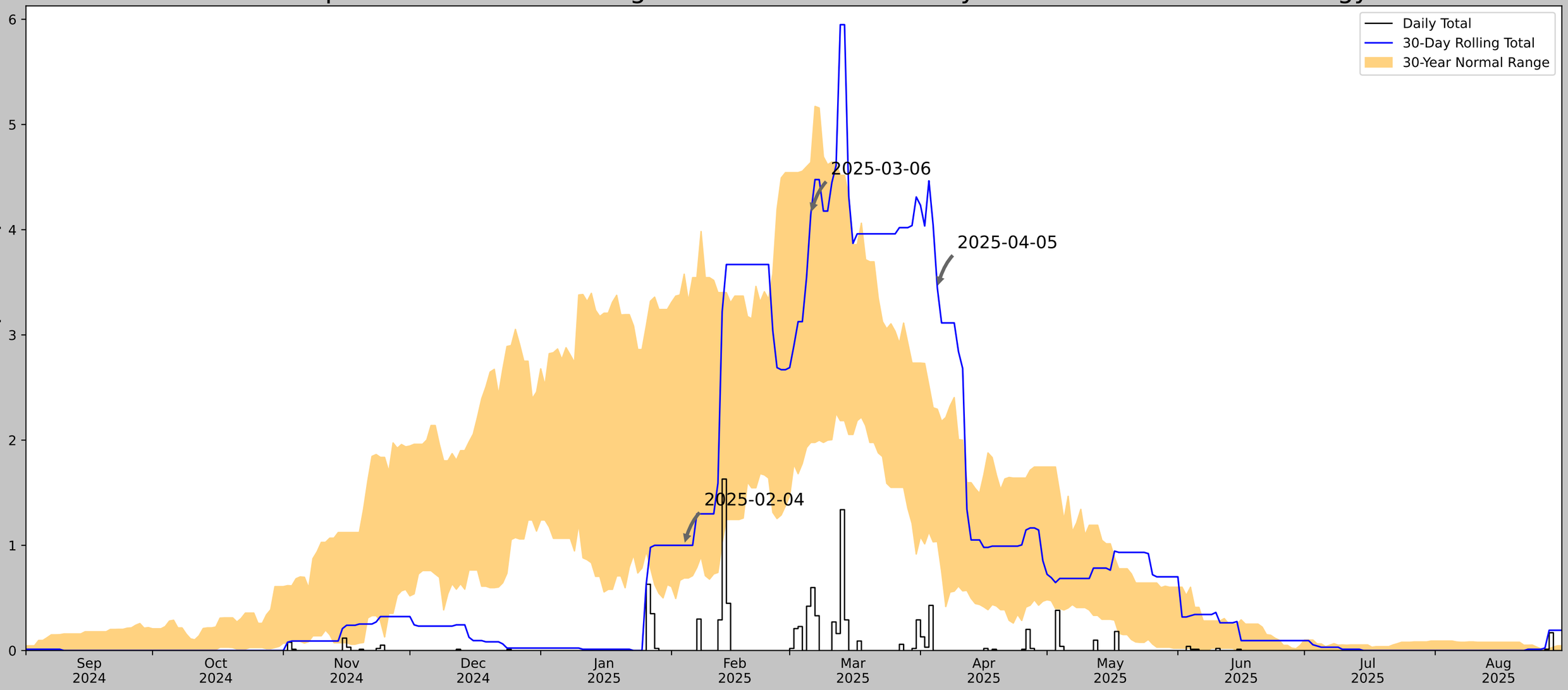
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-04-05
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-05	1.036221	2.294095	3.444882	Wet	3	3	9
2025-03-06	1.977559	4.639764	4.145669	Normal	2	2	4
2025-02-04	0.68937	3.577559	1.0	Normal	2	1	2
Result							Wetter than Normal - 15

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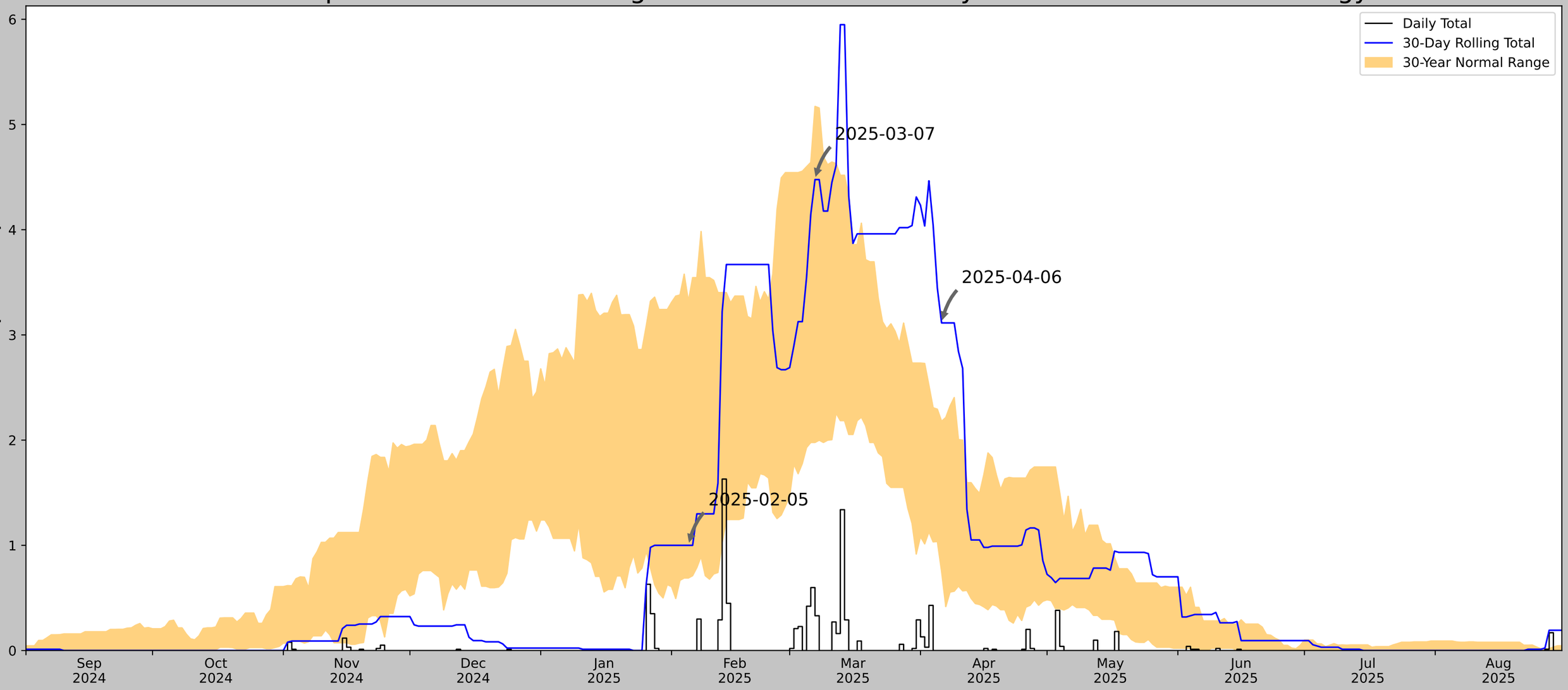
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-04-06
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-06	0.752756	2.179134	3.114173	Wet	3	3	9
2025-03-07	1.977559	5.172441	4.476378	Normal	2	2	4
2025-02-05	0.68937	3.320866	1.0	Normal	2	1	2
Result							Wetter than Normal - 15

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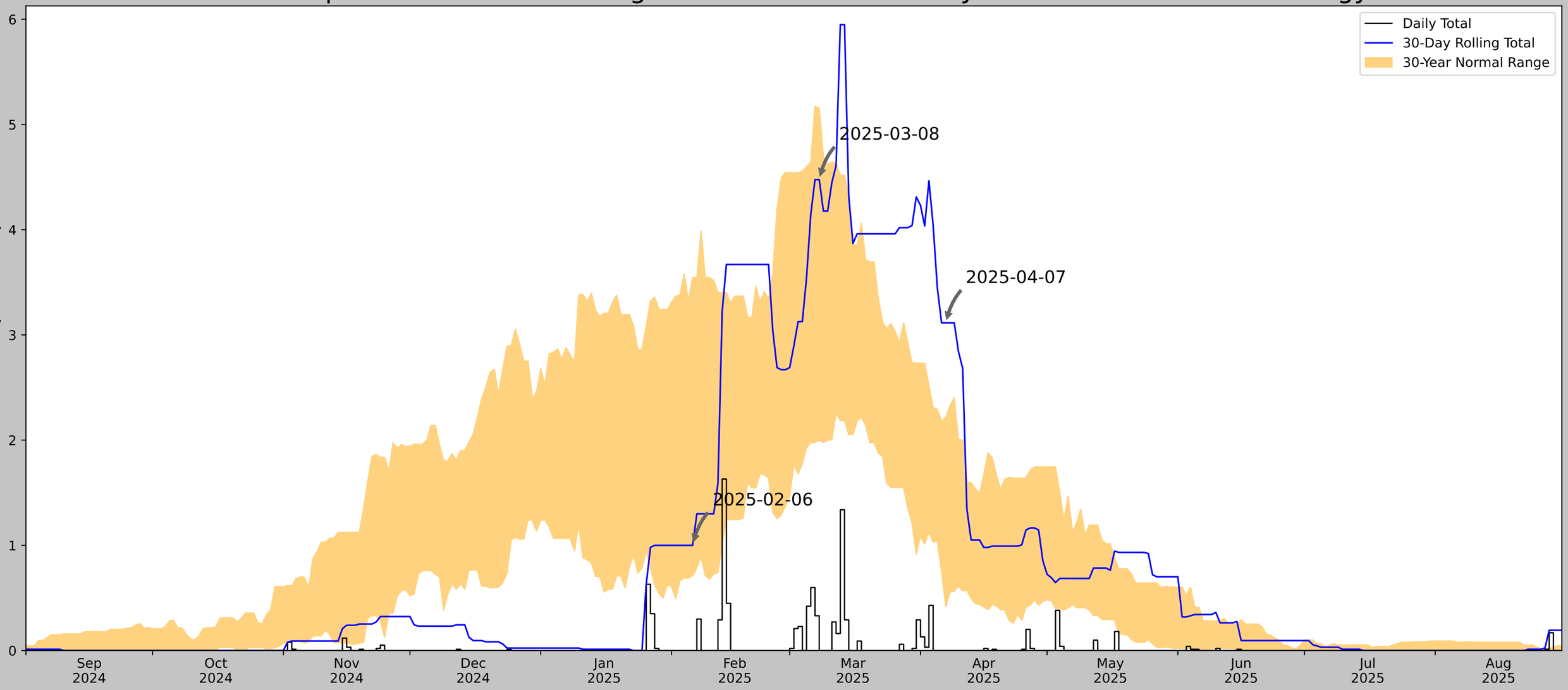
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-04-07
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-07	0.417323	2.214961	3.114173	Wet	3	3	9
2025-03-08	1.999213	5.157087	4.476378	Normal	2	2	4
2025-02-06	0.711417	3.544488	1.0	Normal	2	1	2
Result							Wetter than Normal - 15

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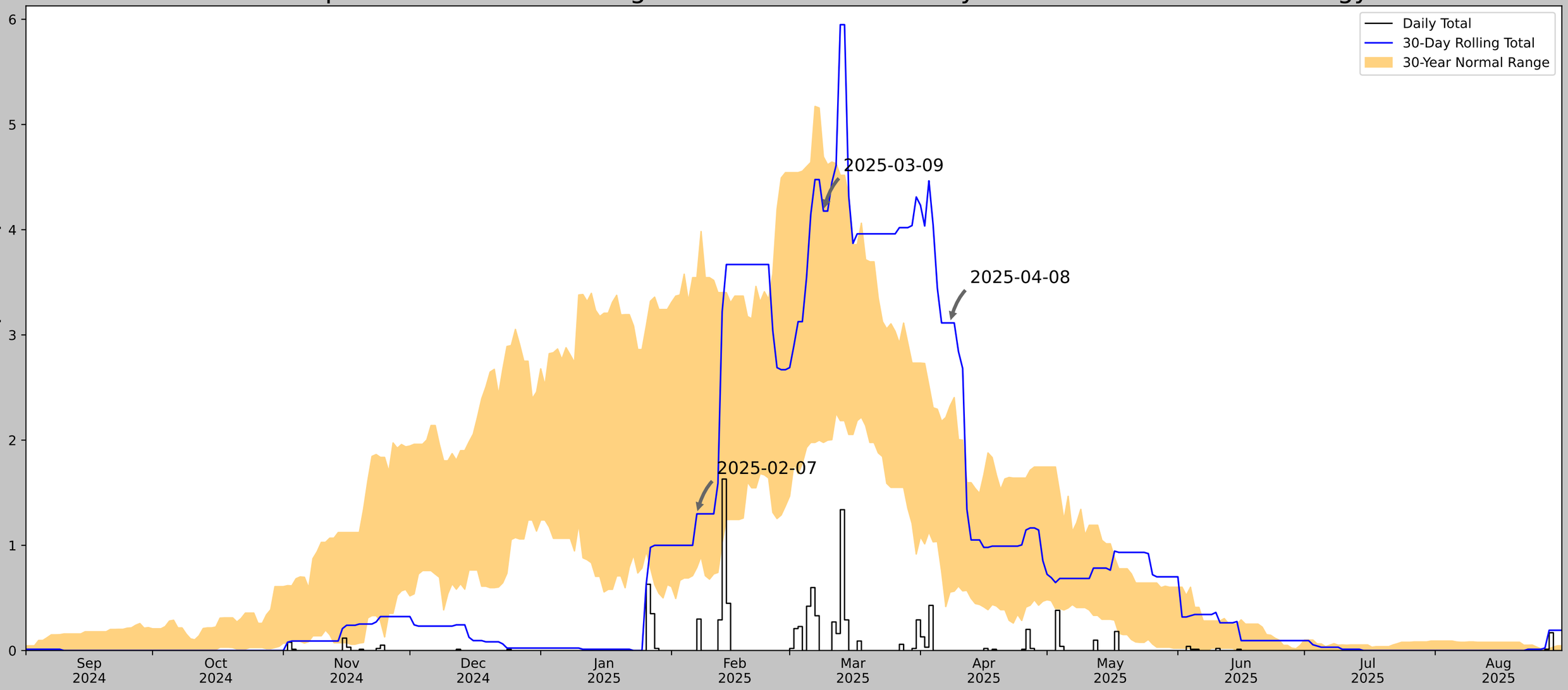
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-04-08
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-08	0.555512	2.323622	3.114173	Wet	3	3	9
2025-03-09	1.977559	4.693307	4.177165	Normal	2	2	4
2025-02-07	0.788583	3.544488	1.299213	Normal	2	1	2
Result							Wetter than Normal - 15

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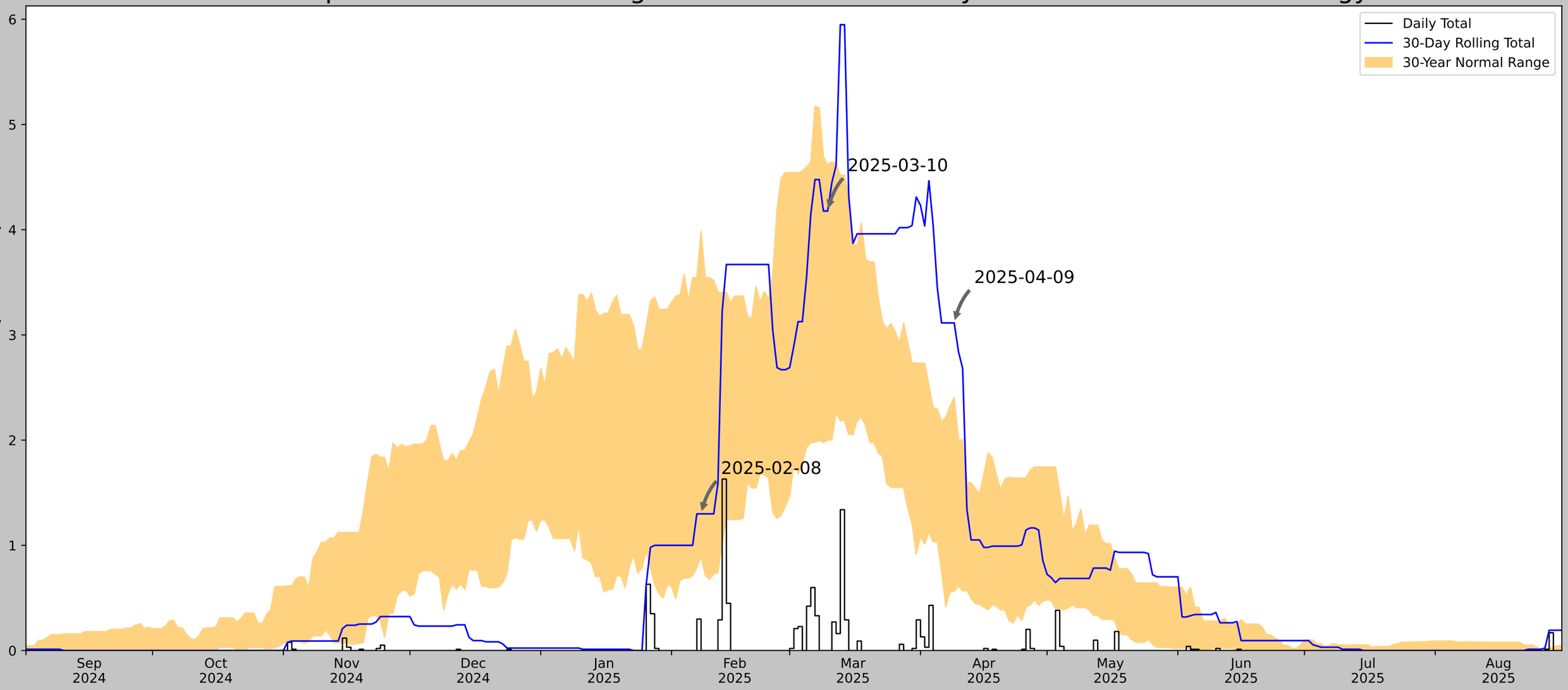
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-04-09
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-09	0.56378	2.405118	3.114173	Wet	3	3	9
2025-03-10	1.999213	4.617717	4.177165	Normal	2	2	4
2025-02-08	0.893307	3.983465	1.299213	Normal	2	1	2
Result							Wetter than Normal - 15

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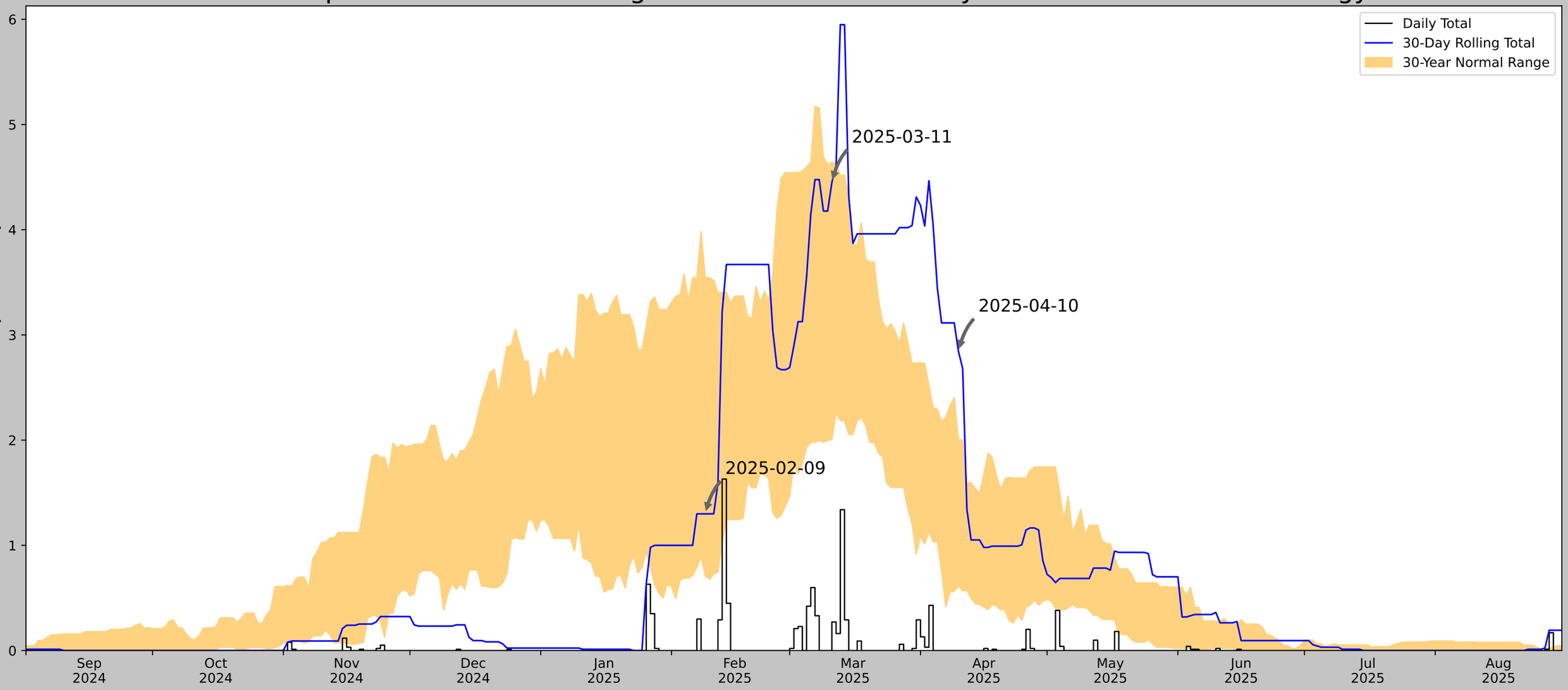
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-04-10
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-10	0.612598	2.005512	2.84252	Wet	3	3	9
2025-03-11	2.003937	4.643701	4.448819	Normal	2	2	4
2025-02-09	0.711417	3.544488	1.299213	Normal	2	1	2
Result							Wetter than Normal - 15

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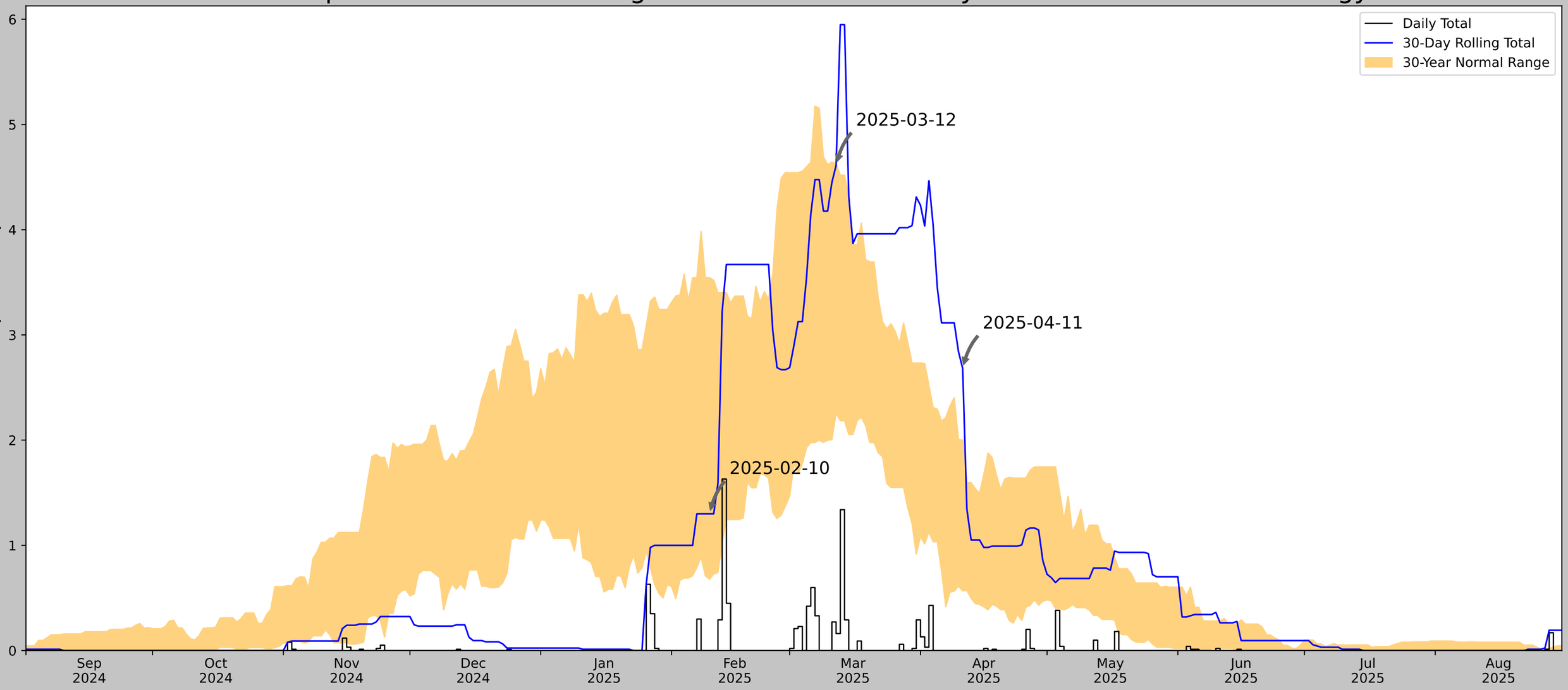
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-04-11
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-11	0.566929	1.999606	2.681102	Wet	3	3	9
2025-03-12	2.256693	4.628347	4.610236	Normal	2	2	4
2025-02-10	0.678346	3.544488	1.299213	Normal	2	1	2
Result							Wetter than Normal - 15

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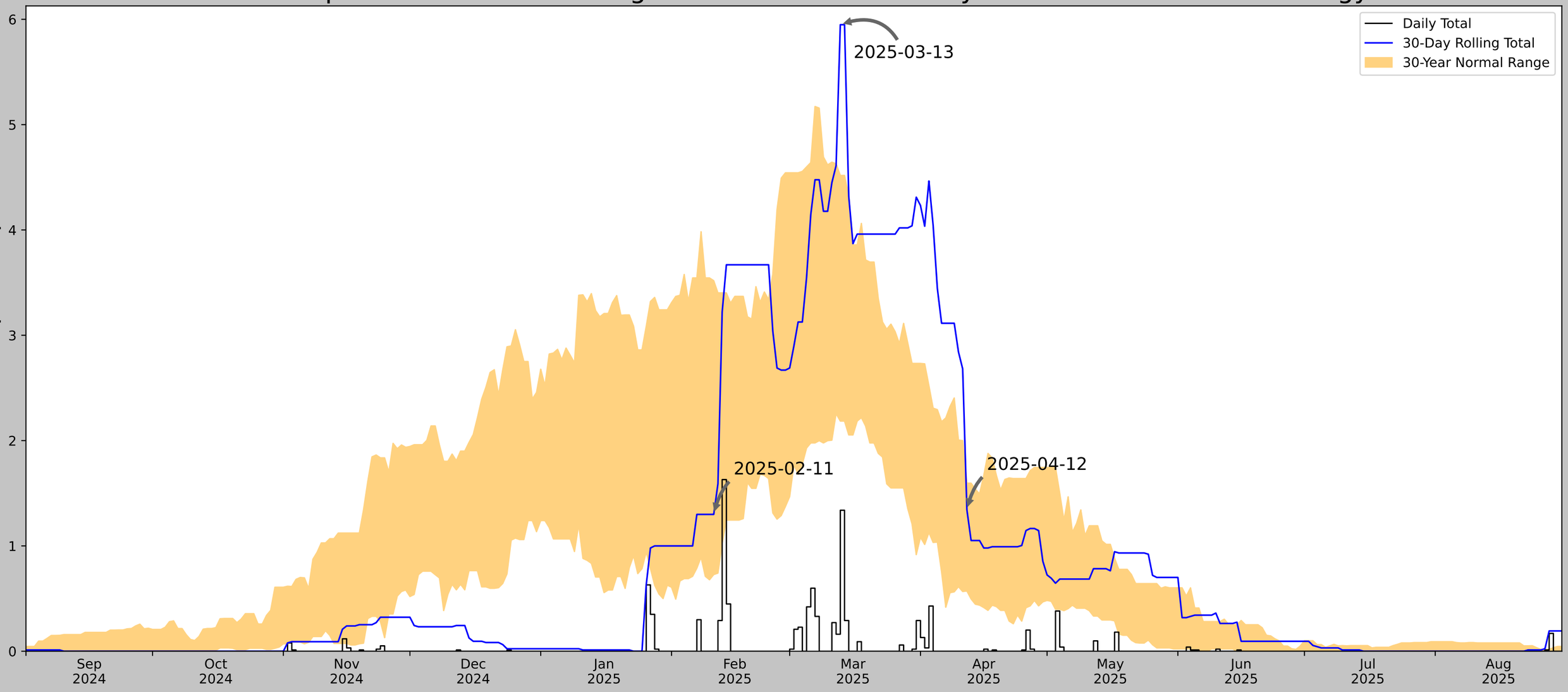
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-04-12
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-12	0.571654	1.595669	1.34252	Normal	2	3	6
2025-03-13	2.185039	4.517717	5.948819	Wet	3	2	6
2025-02-11	0.727953	3.518504	1.299213	Normal	2	1	2
Result							Normal Conditions - 14

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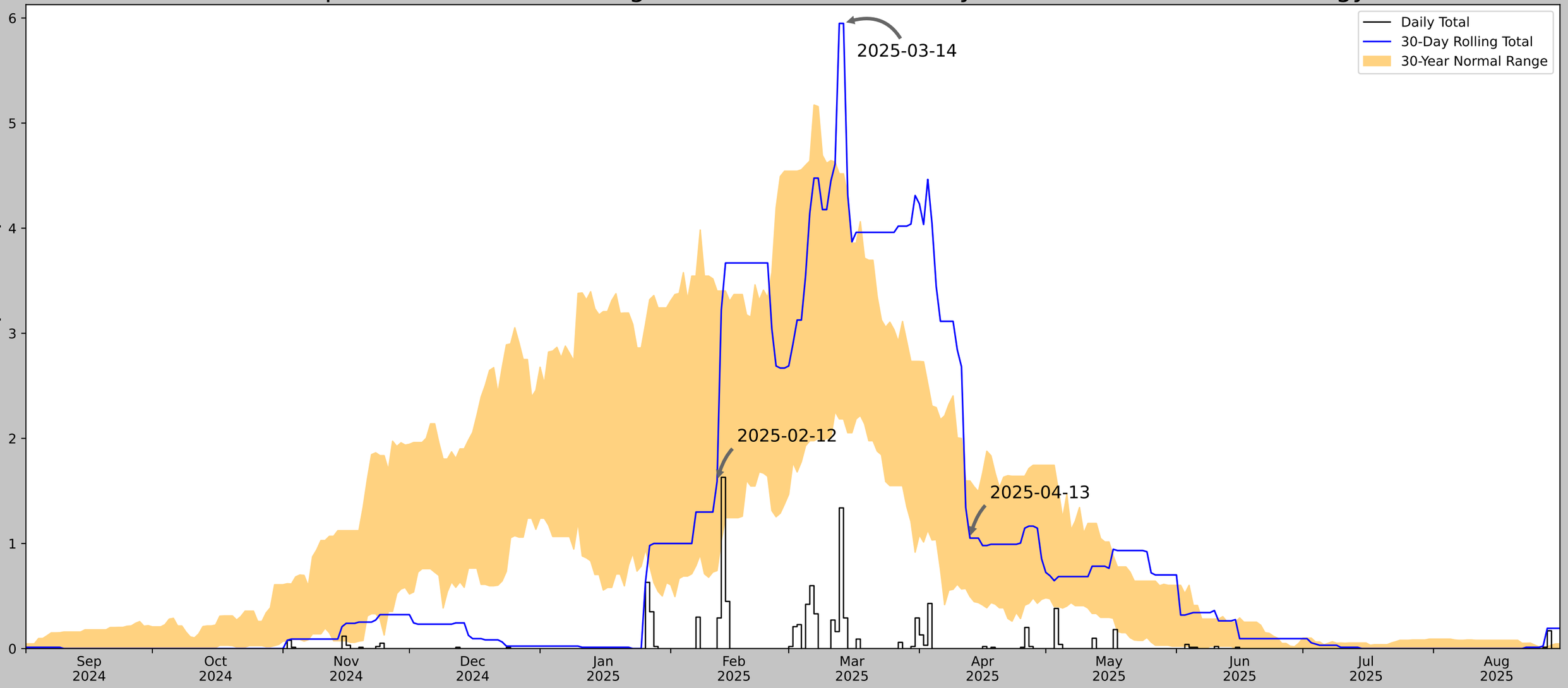
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-04-13
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-13	0.496063	1.595669	1.051181	Normal	2	3	6
2025-03-14	2.185039	4.517717	5.948819	Wet	3	2	6
2025-02-12	0.741732	3.402362	1.590551	Normal	2	1	2
Result							Normal Conditions - 14

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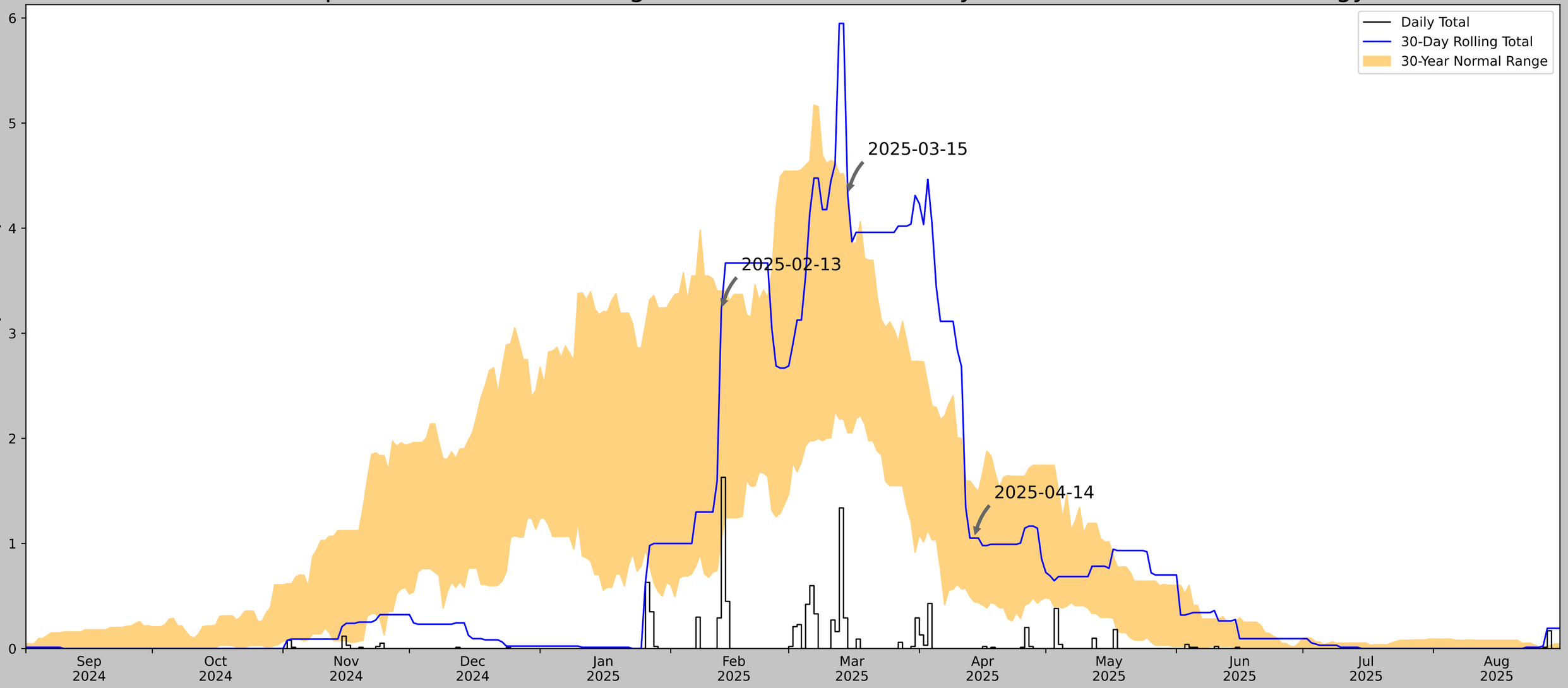
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-04-14
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-14	0.446457	1.538976	1.051181	Normal	2	3	6
2025-03-15	2.053543	4.31378	4.318898	Wet	3	2	6
2025-02-13	1.024016	3.402362	3.220473	Normal	2	1	2
Result							Normal Conditions - 14

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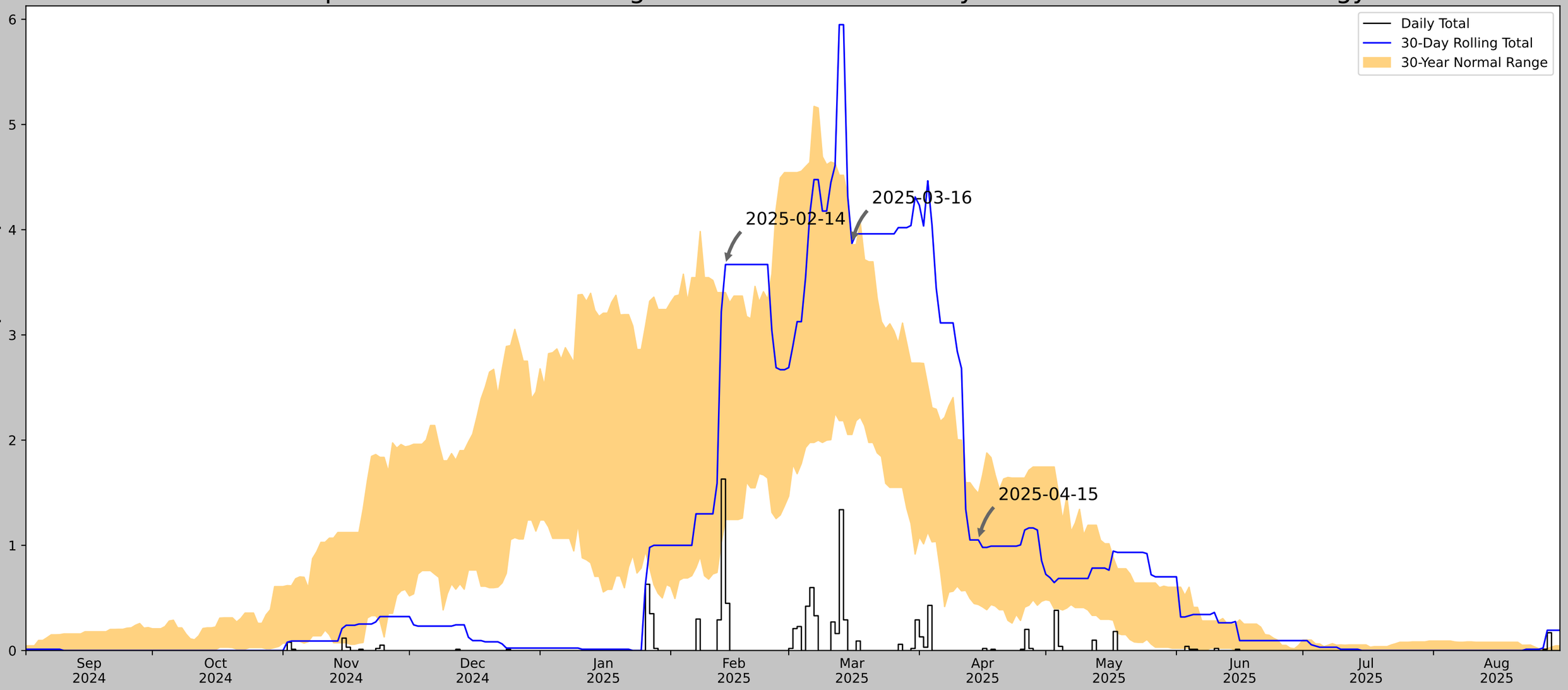
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-04-15
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-15	0.437402	1.494095	1.051181	Normal	2	3	6
2025-03-16	2.053543	3.858268	3.870079	Wet	3	2	6
2025-02-14	1.245276	3.402362	3.669291	Wet	3	1	3
Result							Wetter than Normal - 15

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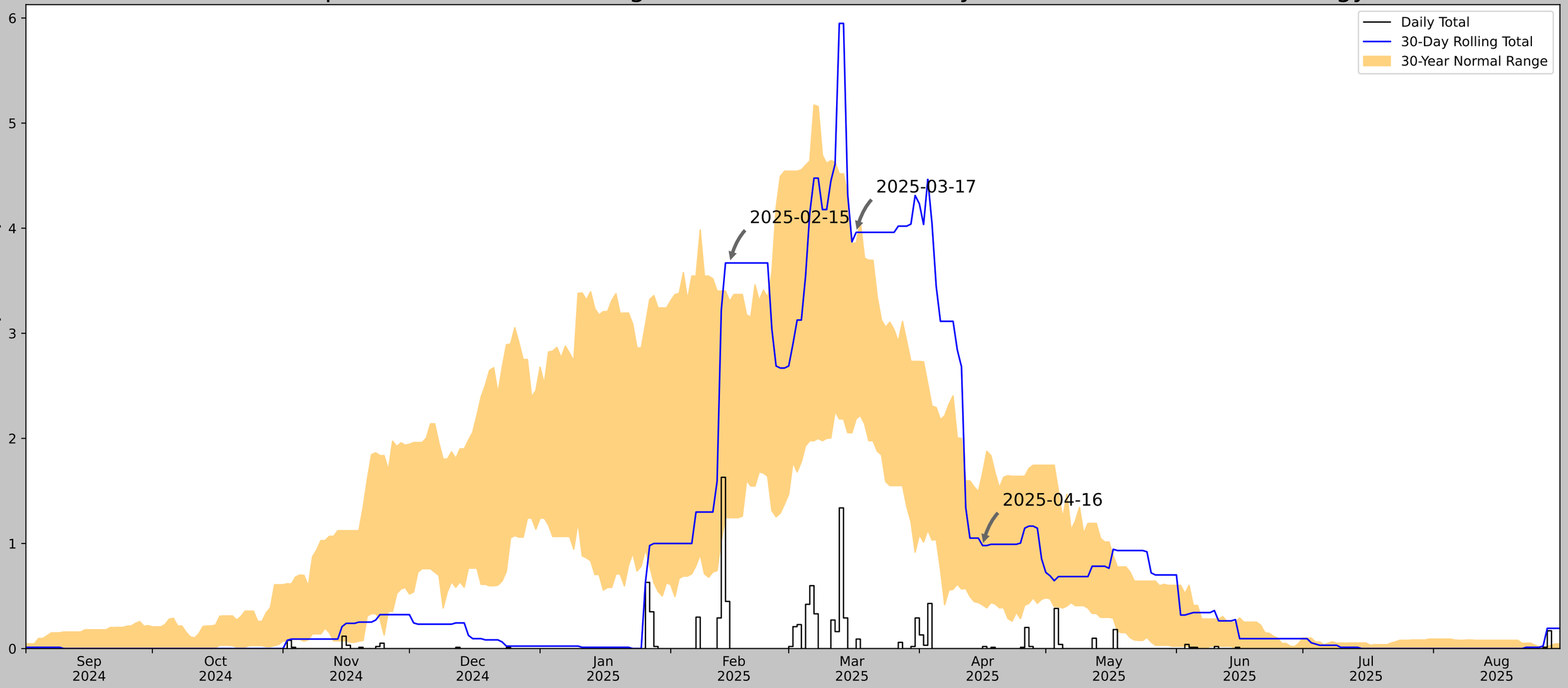
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-04-16
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-16	0.414961	1.669291	0.980315	Normal	2	3	6
2025-03-17	2.185039	3.858268	3.96063	Wet	3	2	6
2025-02-15	1.245276	3.305906	3.669291	Wet	3	1	3
Result							Wetter than Normal - 15

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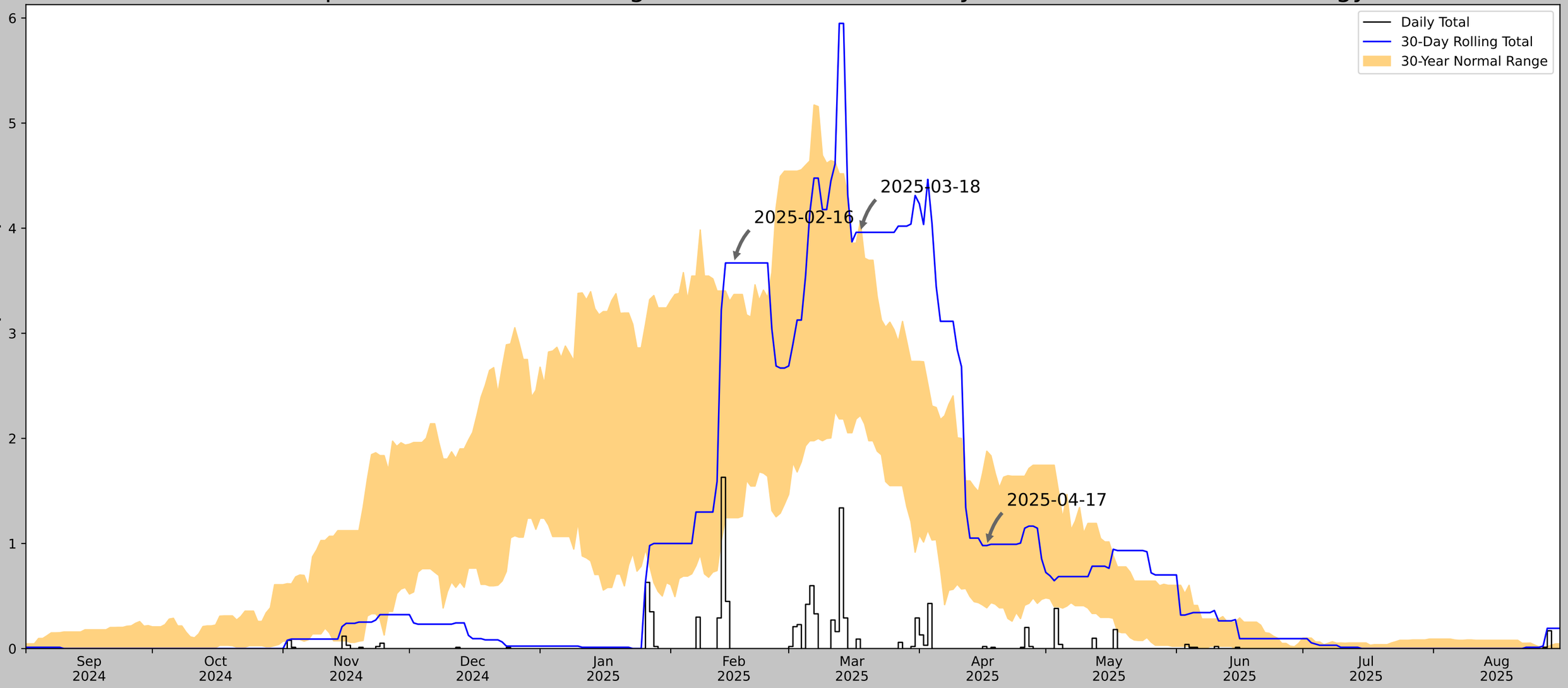
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-04-17
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-17	0.387795	1.878347	0.980315	Normal	2	3	6
2025-03-18	2.21811	4.062205	3.96063	Normal	2	2	4
2025-02-16	1.245276	3.369291	3.669291	Wet	3	1	3
Result							Normal Conditions - 13

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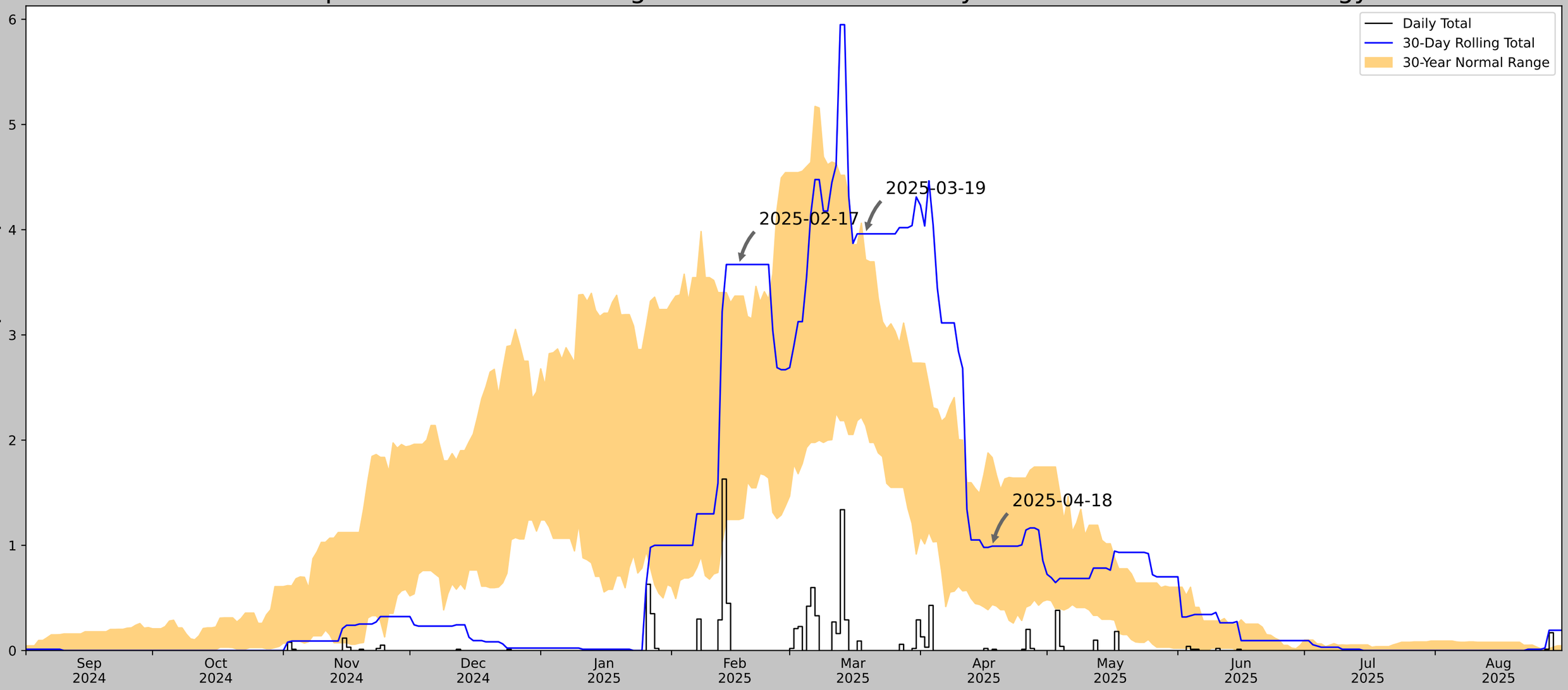
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-04-18
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-18	0.437402	1.834646	0.992126	Normal	2	3	6
2025-03-19	2.137402	3.714961	3.96063	Wet	3	2	6
2025-02-17	1.245276	3.369291	3.669291	Wet	3	1	3
Result							Wetter than Normal - 15

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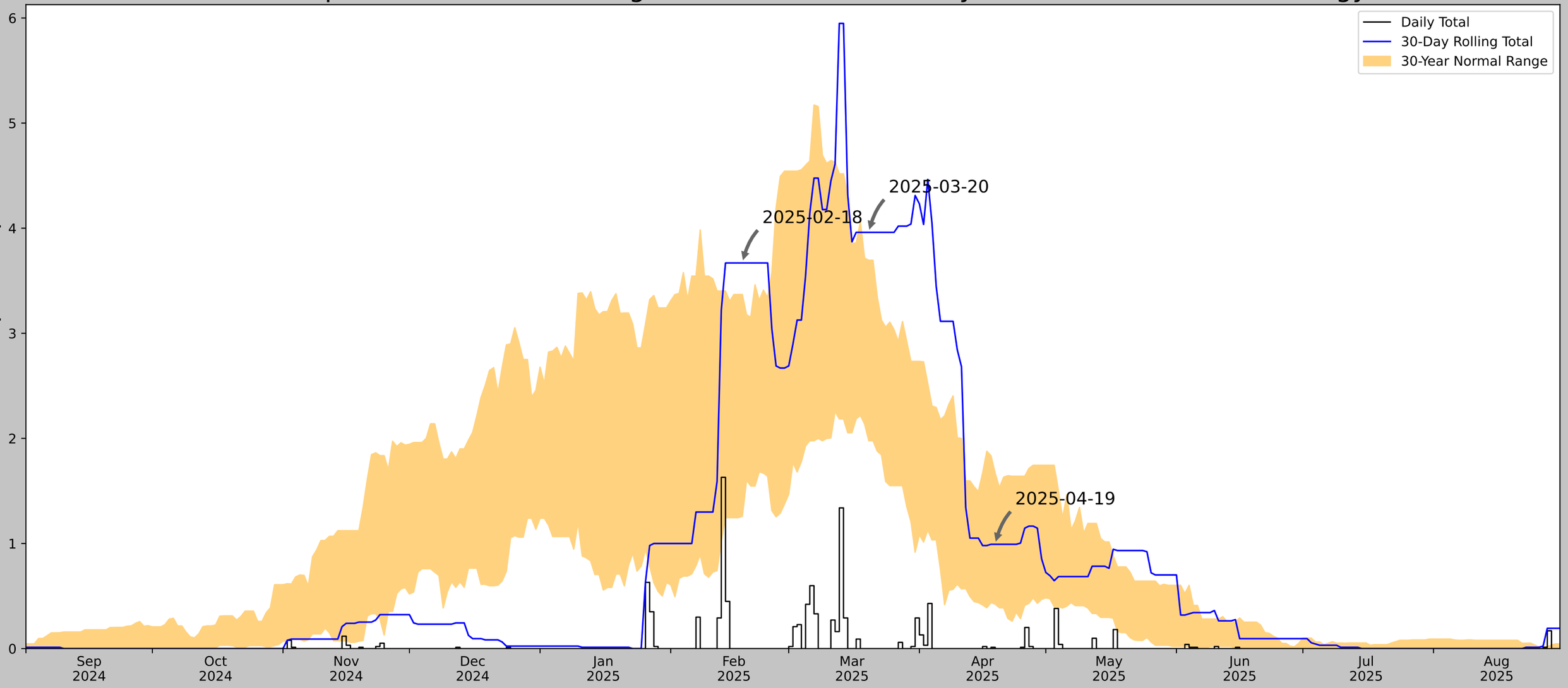
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-04-19
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-19	0.423228	1.66811	0.992126	Normal	2	3	6
2025-03-20	1.977559	3.695276	3.96063	Wet	3	2	6
2025-02-18	1.259055	3.369291	3.669291	Wet	3	1	3
Result							Wetter than Normal - 15

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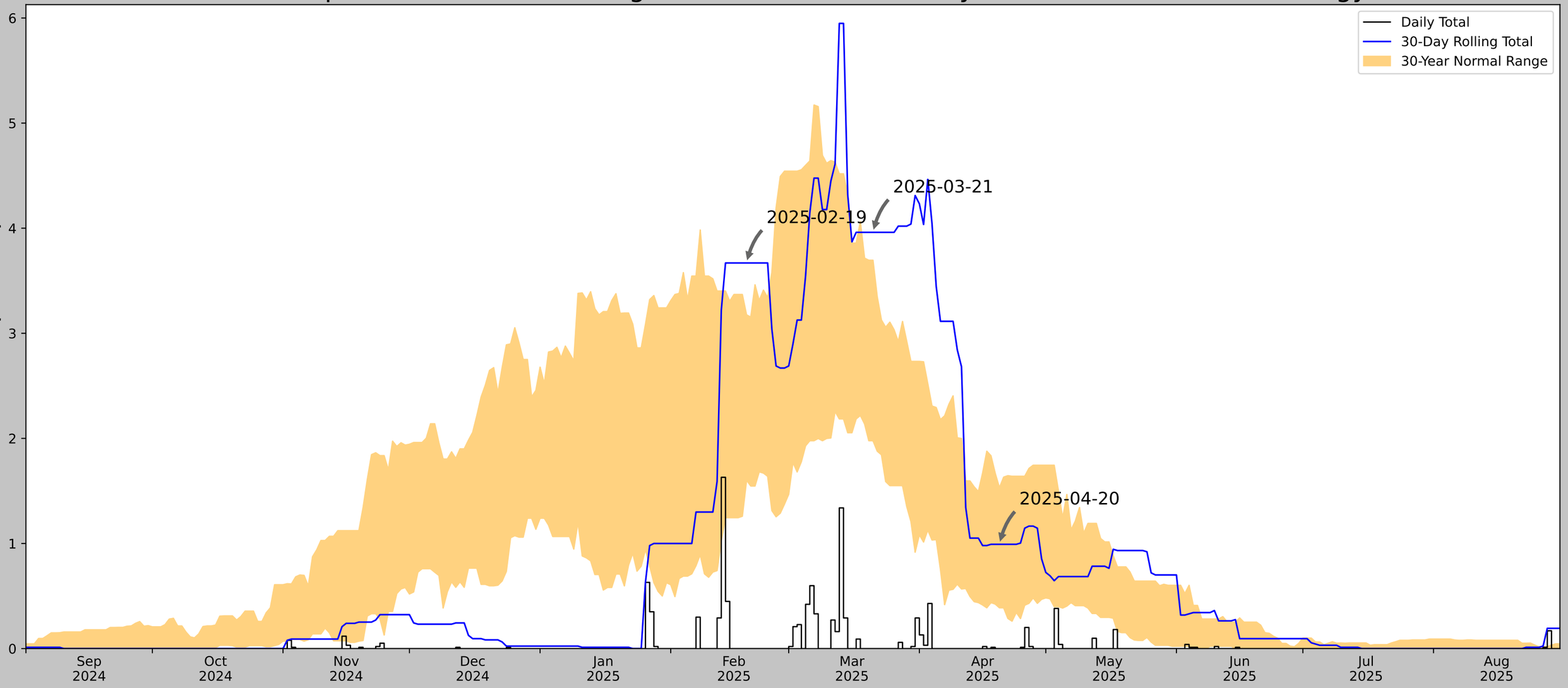
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-04-20
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-20	0.387795	1.531102	0.992126	Normal	2	3	6
2025-03-21	1.977559	3.695276	3.96063	Wet	3	2	6
2025-02-19	1.601575	3.174803	3.669291	Wet	3	1	3
Result							Wetter than Normal - 15

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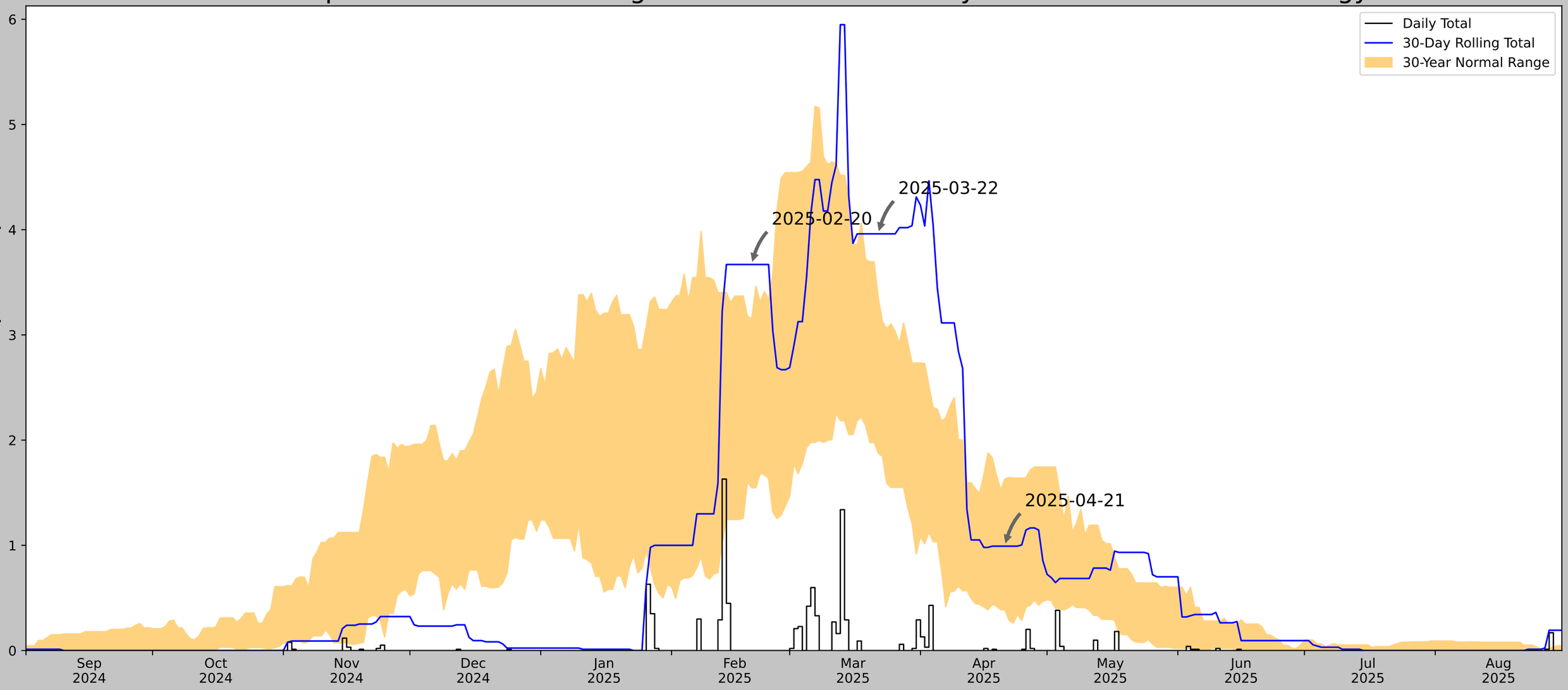
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-04-21
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-21	0.387795	1.631496	0.992126	Normal	2	3	6
2025-03-22	1.878347	3.349606	3.96063	Wet	3	2	6
2025-02-20	1.546457	3.154331	3.669291	Wet	3	1	3
Result							Wetter than Normal - 15

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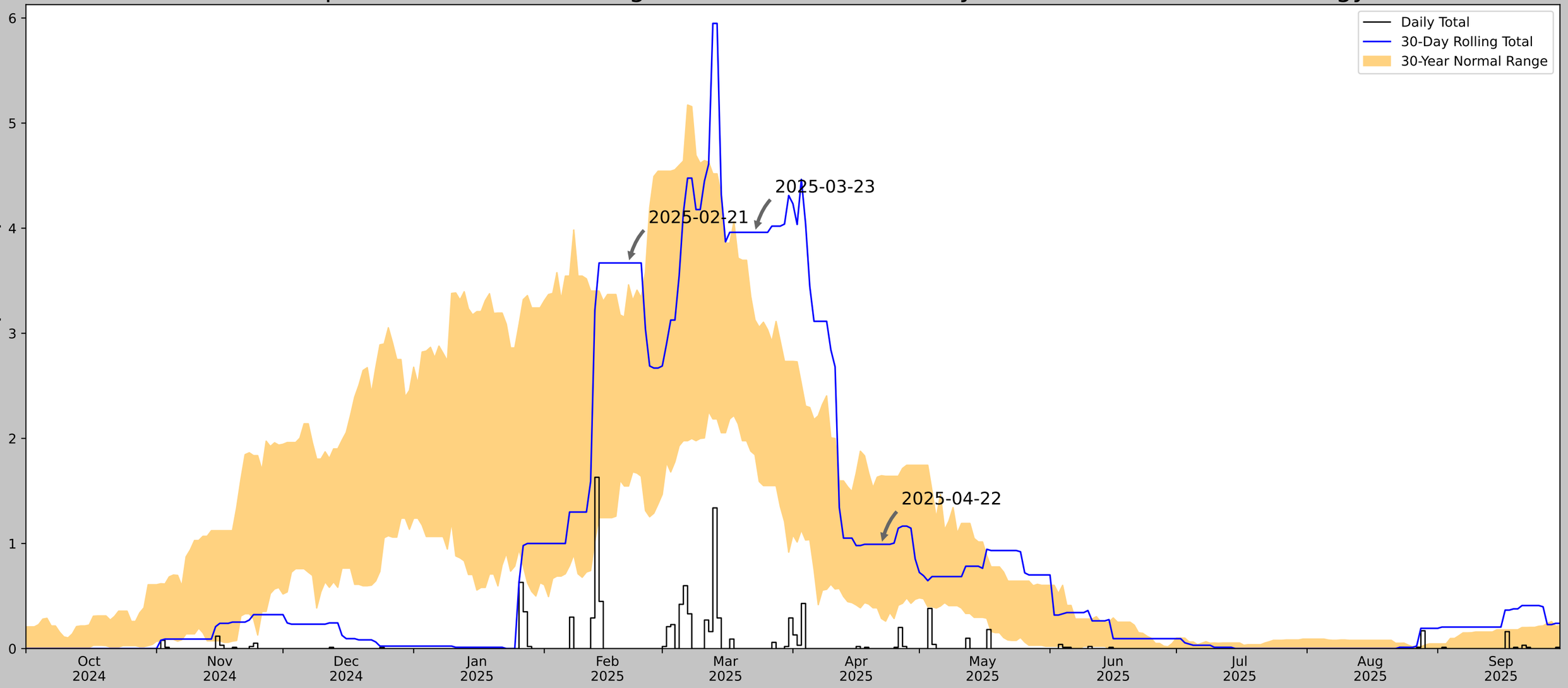
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-04-22
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-22	0.286614	1.645276	0.992126	Normal	2	3	6
2025-03-23	1.844095	3.126772	3.96063	Wet	3	2	6
2025-02-21	1.546457	3.461811	3.669291	Wet	3	1	3
Result							Wetter than Normal - 15

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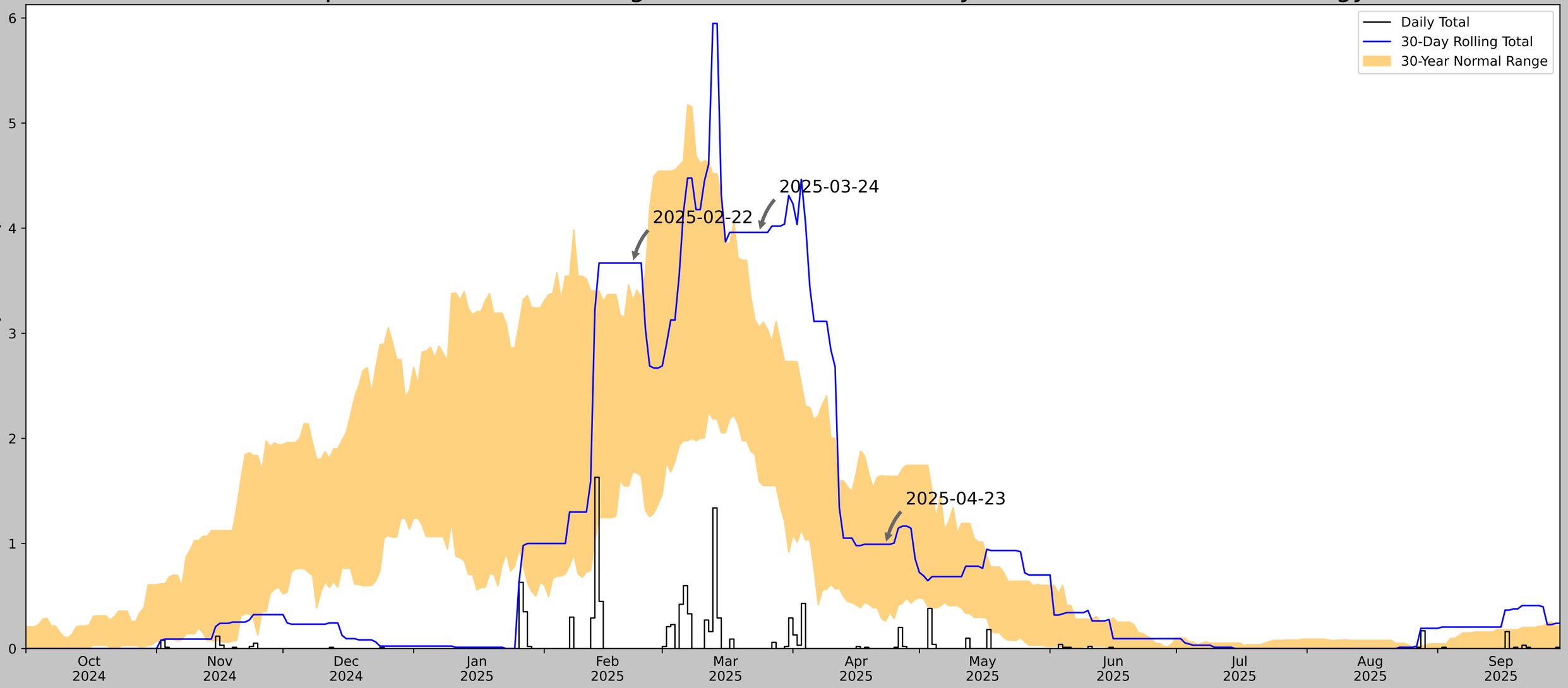
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-04-23
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-23	0.26063	1.639764	0.992126	Normal	2	3	6
2025-03-24	1.58937	3.057874	3.96063	Wet	3	2	6
2025-02-22	1.681496	3.312205	3.669291	Wet	3	1	3
Result							Wetter than Normal - 15

Figures and tables made by the
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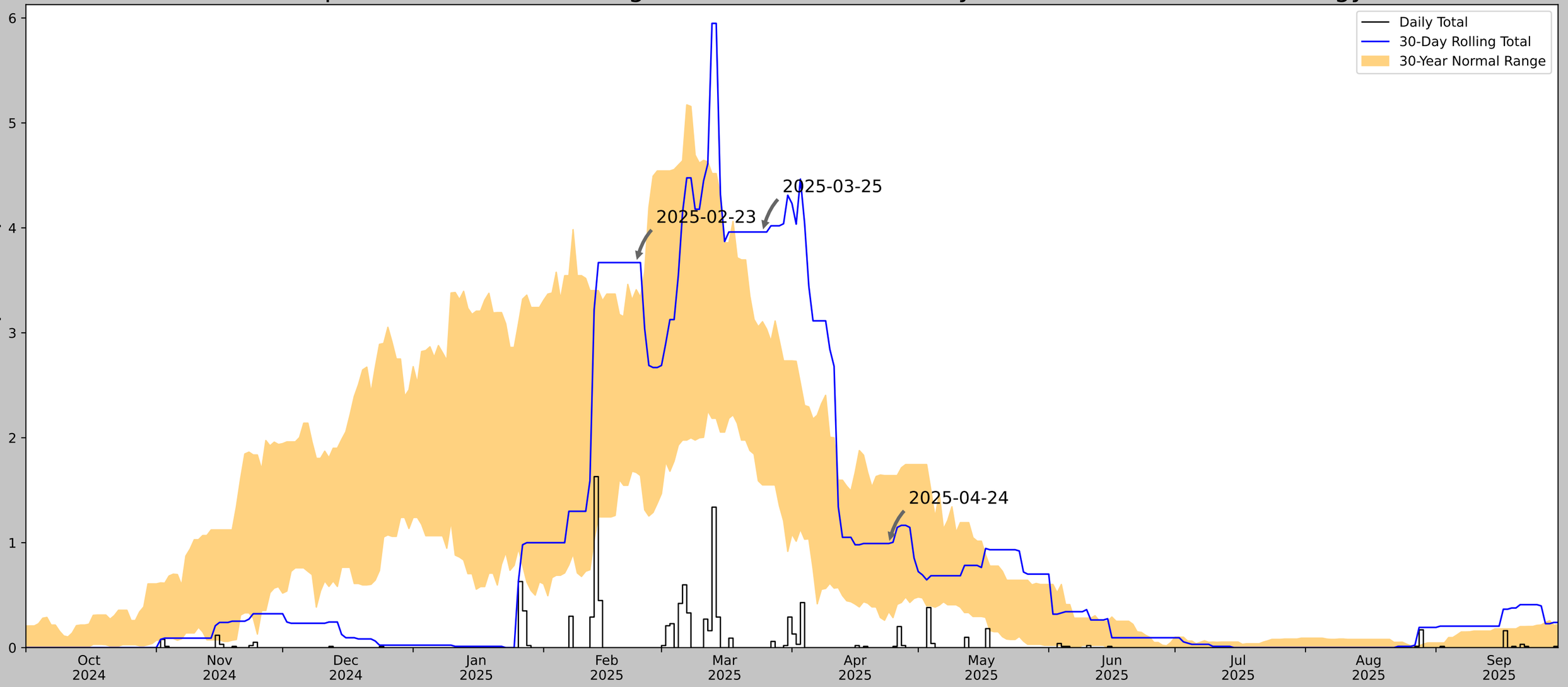
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-04-24
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-24	0.343701	1.639764	0.992126	Normal	2	3	6
2025-03-25	1.550394	3.105906	3.96063	Wet	3	2	6
2025-02-23	1.669685	3.411024	3.669291	Wet	3	1	3
Result							Wetter than Normal - 15

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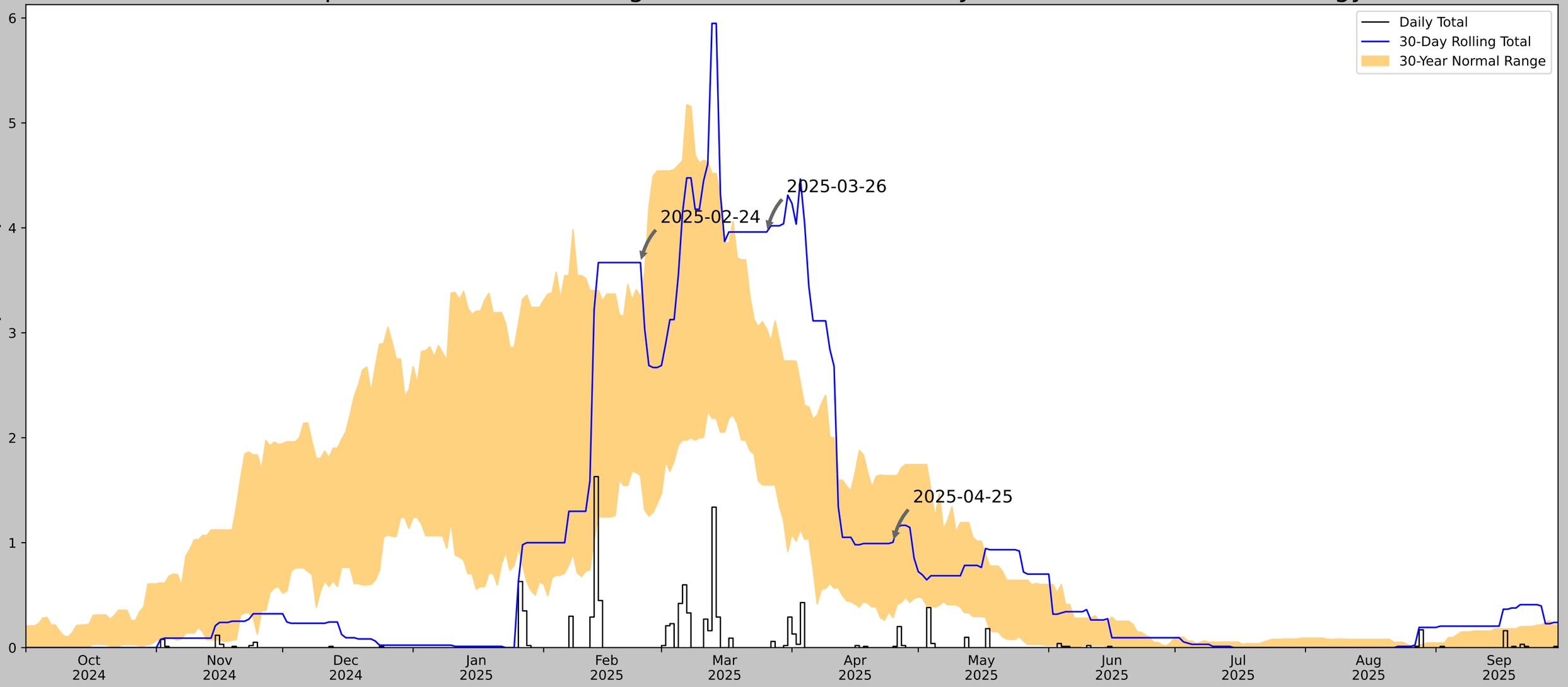
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-04-25
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-25	0.285433	1.639764	1.003937	Normal	2	3	6
2025-03-26	1.550394	3.033858	3.96063	Wet	3	2	6
2025-02-24	1.63937	3.33937	3.669291	Wet	3	1	3
Result							Wetter than Normal - 15

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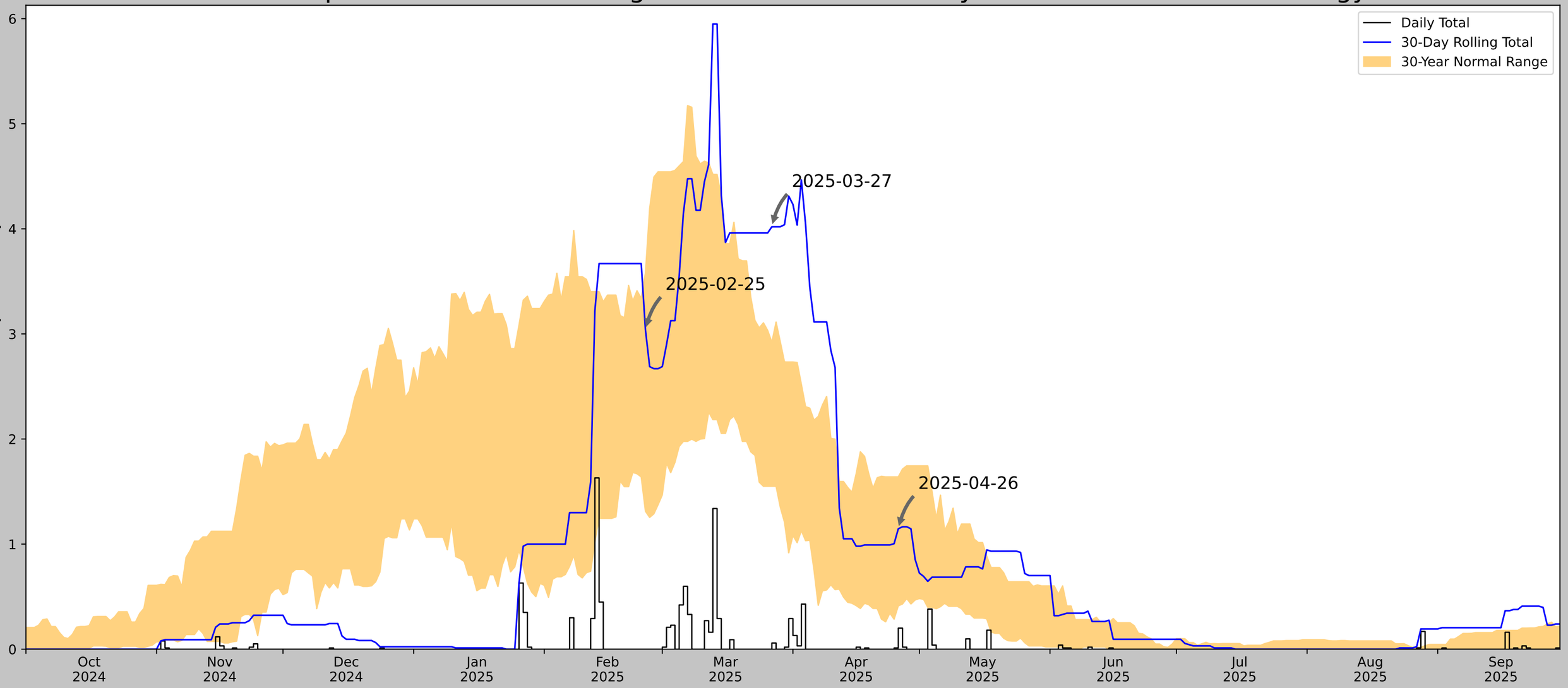
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-04-26
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-26	0.412598	1.639764	1.145669	Normal	2	3	6
2025-03-27	1.550394	2.92126	4.019685	Wet	3	2	6
2025-02-25	1.312992	3.579528	3.03937	Normal	2	1	2
Result							Normal Conditions - 14

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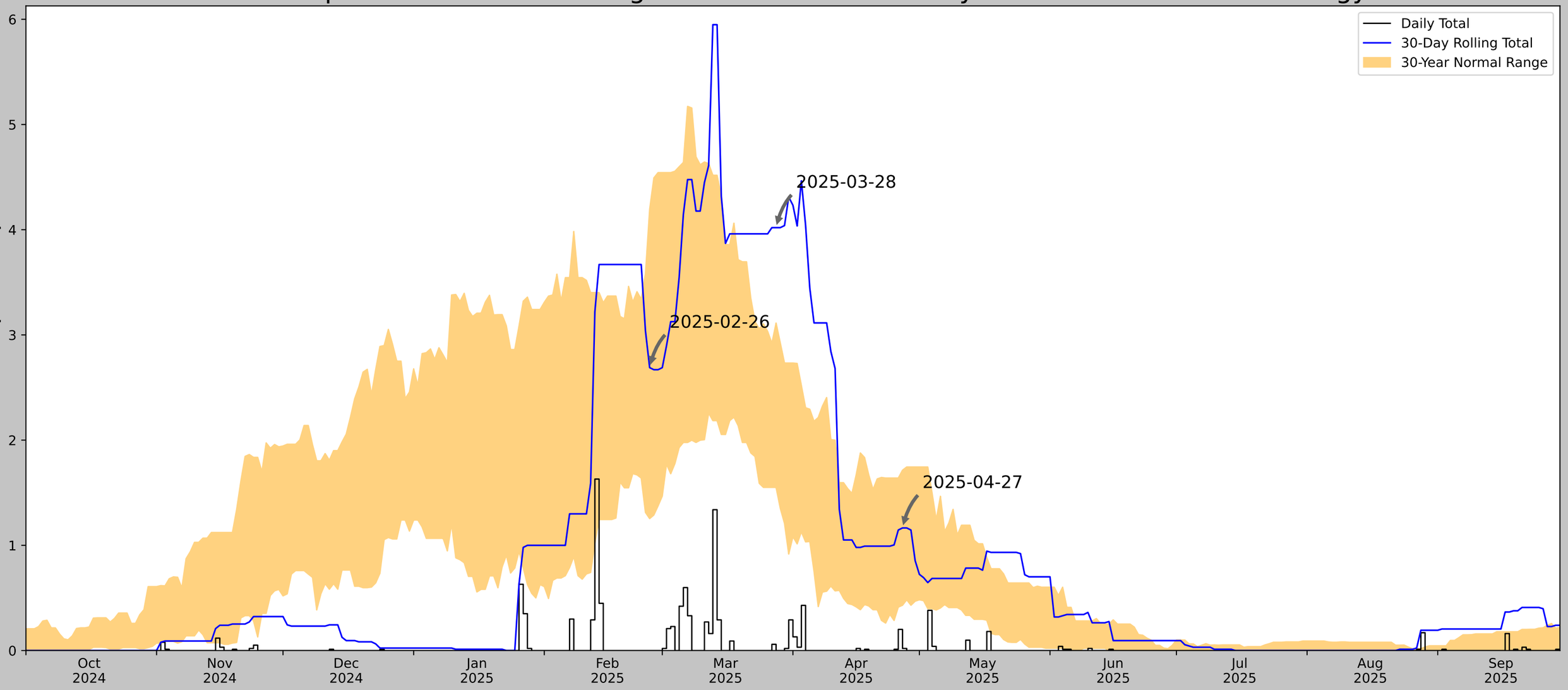
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-04-27
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-27	0.430315	1.714173	1.165354	Normal	2	3	6
2025-03-28	1.550394	3.112992	4.019685	Wet	3	2	6
2025-02-26	1.253937	4.194488	2.688976	Normal	2	1	2
Result							Normal Conditions - 14

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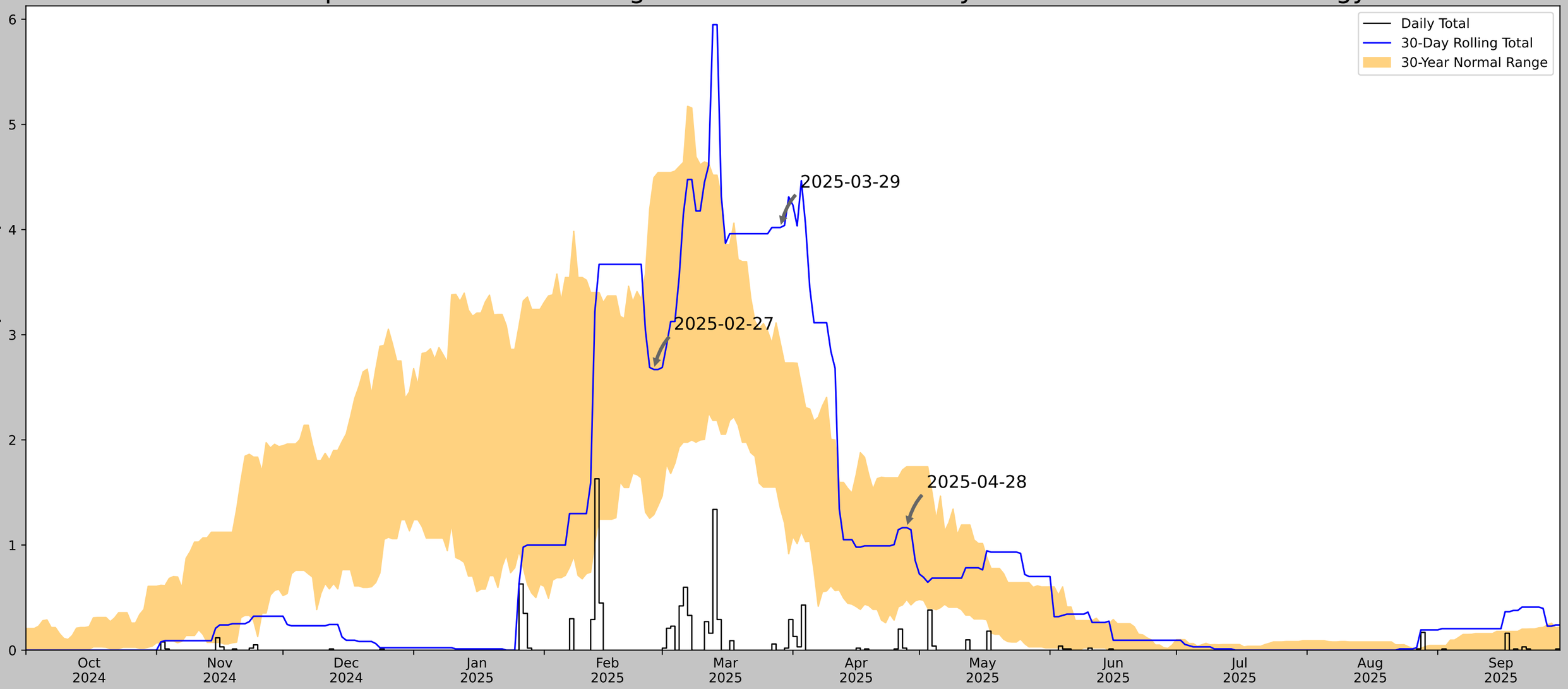
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-04-28
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-28	0.482283	1.744882	1.165354	Normal	2	3	6
2025-03-29	1.351969	2.924803	4.019685	Wet	3	2	6
2025-02-27	1.288189	4.49252	2.669291	Normal	2	1	2
Result							Normal Conditions - 14

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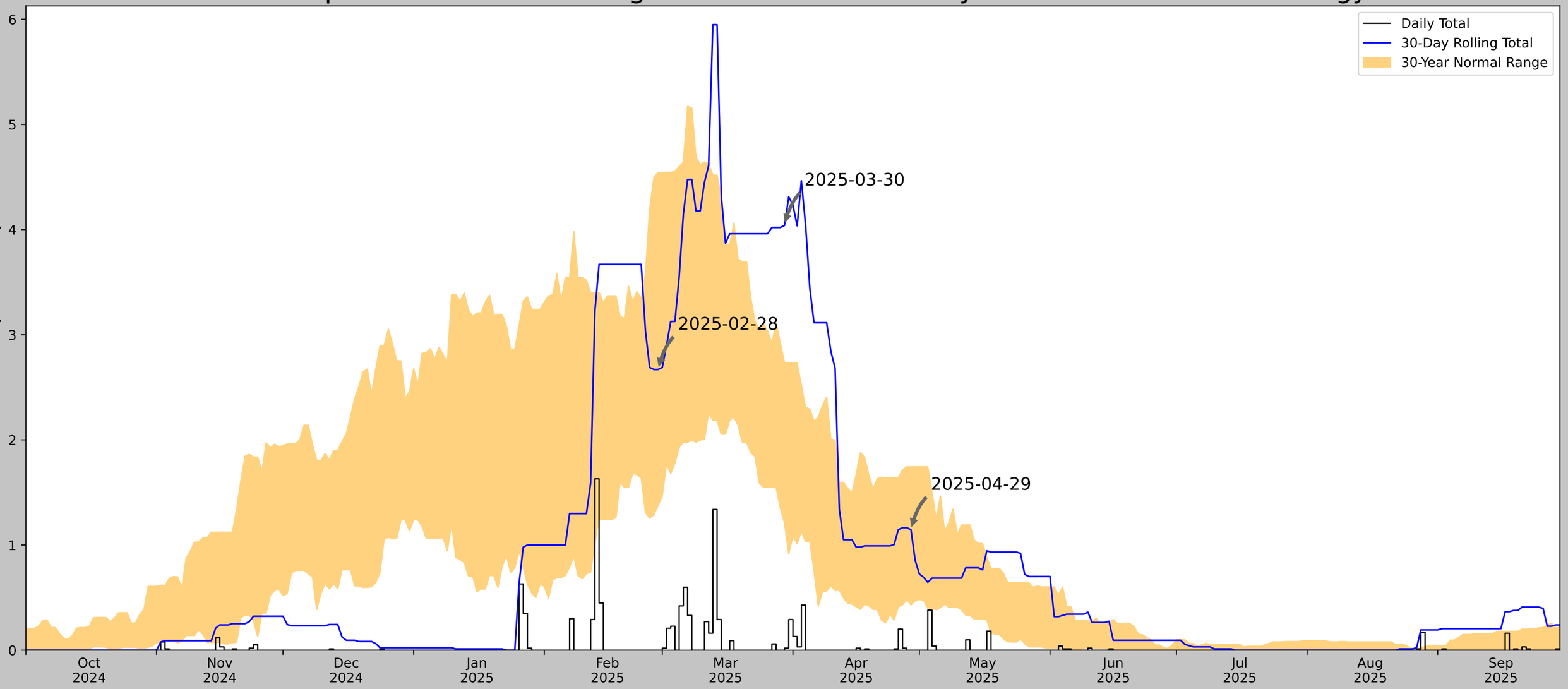
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-04-29
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-29	0.430315	1.744882	1.145669	Normal	2	3	6
2025-03-30	1.208268	2.732677	4.03937	Wet	3	2	6
2025-02-28	1.374803	4.542914	2.669291	Normal	2	1	2
Result							Normal Conditions - 14

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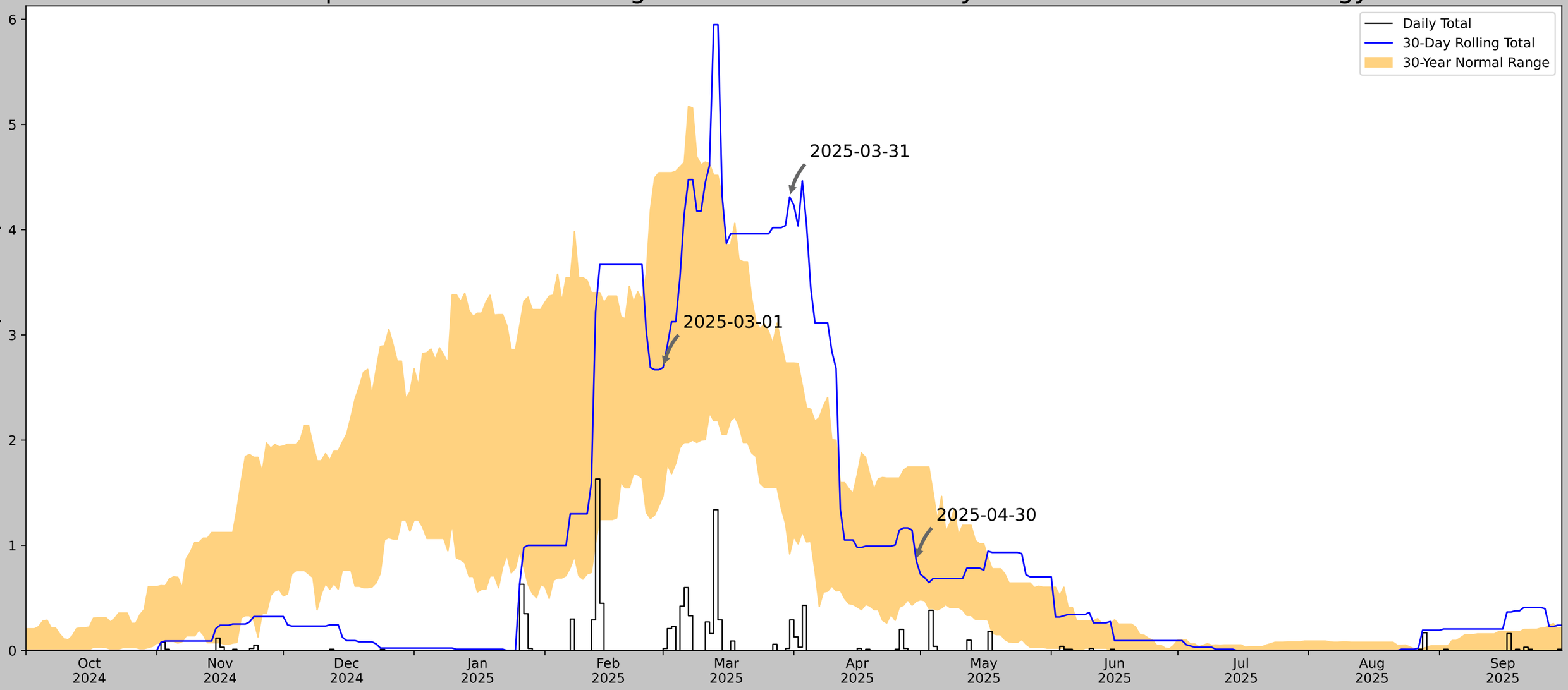
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-04-30
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-04-30	0.468504	1.744882	0.854331	Normal	2	3	6
2025-03-31	0.916929	2.732677	4.311024	Wet	3	2	6
2025-03-01	1.46811	4.542914	2.688976	Normal	2	1	2
Result							Normal Conditions - 14

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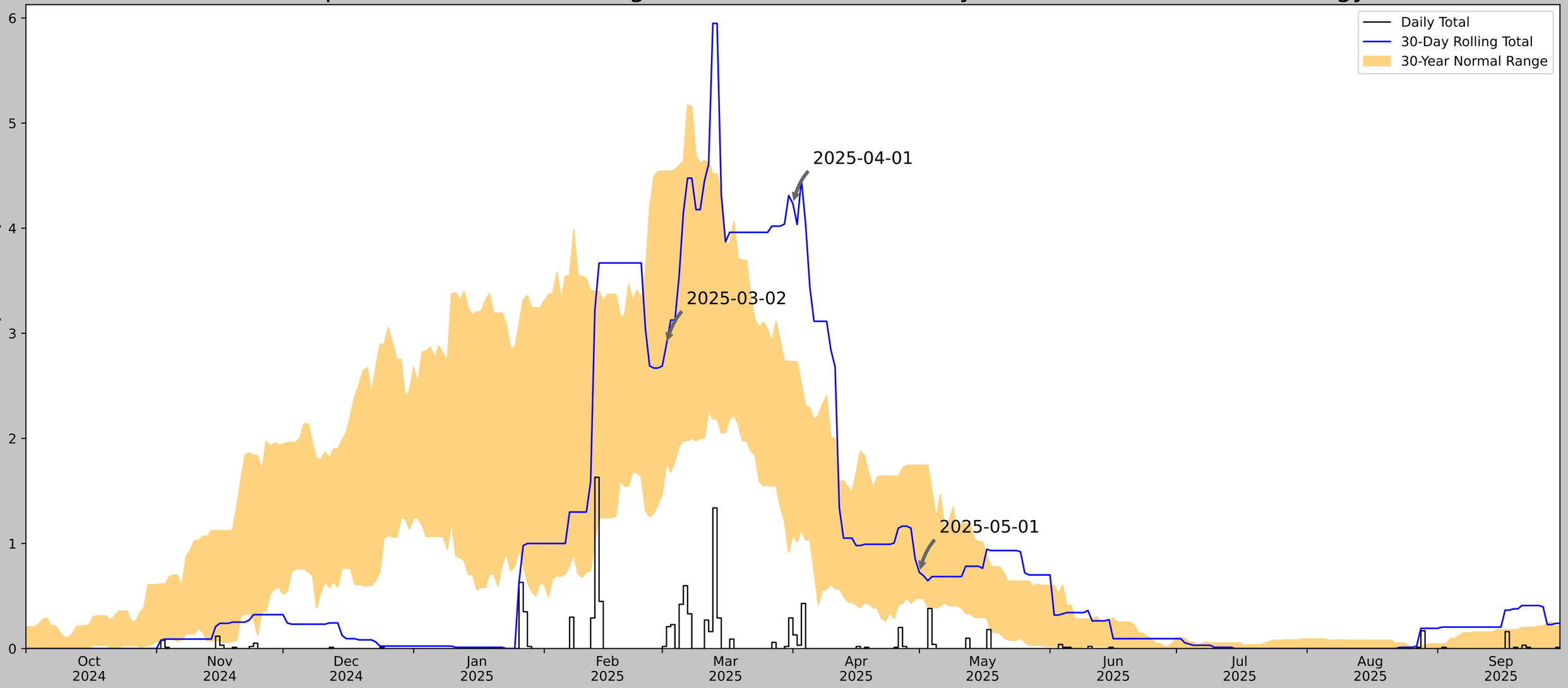
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-01
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-01	0.482283	1.744882	0.724409	Normal	2	3	6
2025-04-01	1.082283	2.732677	4.232284	Wet	3	2	6
2025-03-02	1.77126	4.542914	2.897638	Normal	2	1	2
Result							Normal Conditions - 14

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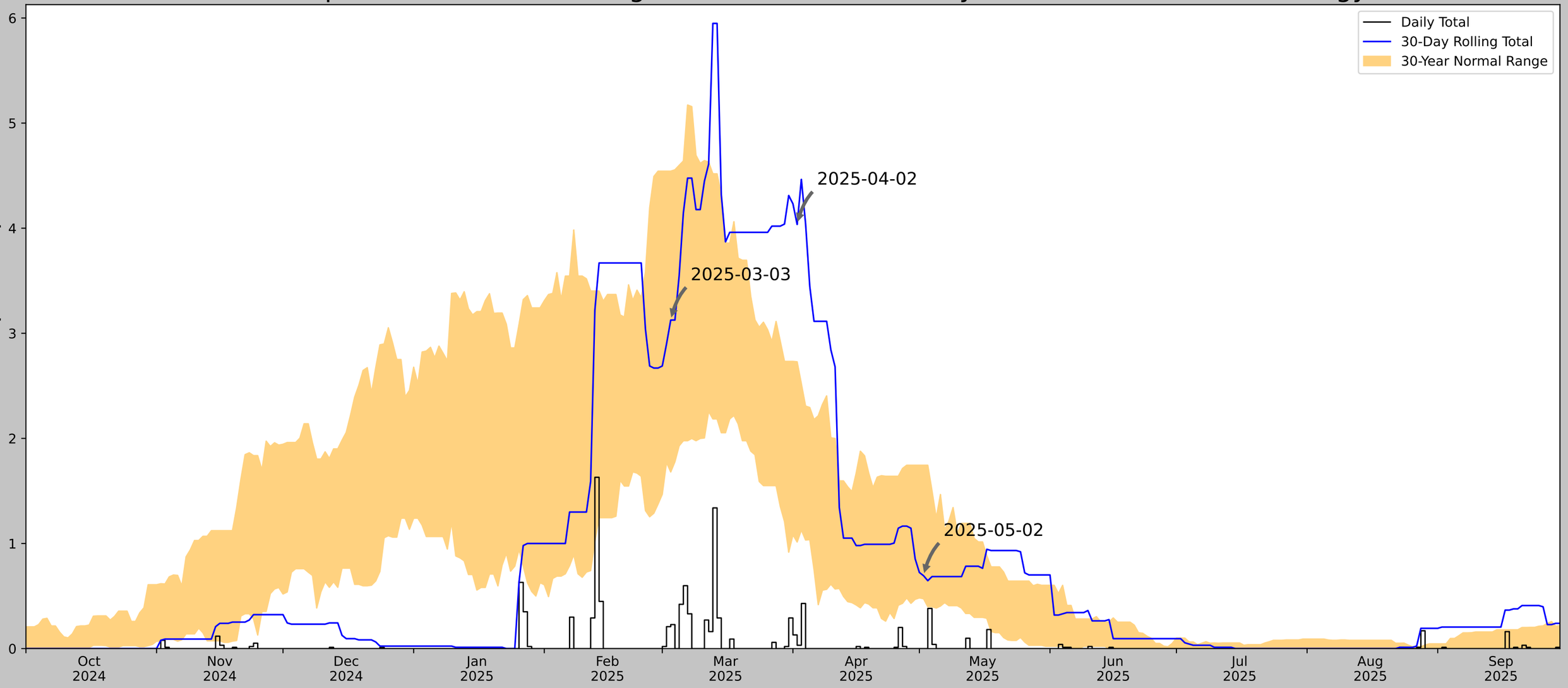
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-02
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-02	0.474016	1.744882	0.692913	Normal	2	3	6
2025-04-02	1.013386	2.729134	4.035433	Wet	3	2	6
2025-03-03	1.680315	4.542914	3.125984	Normal	2	1	2
Result							Normal Conditions - 14

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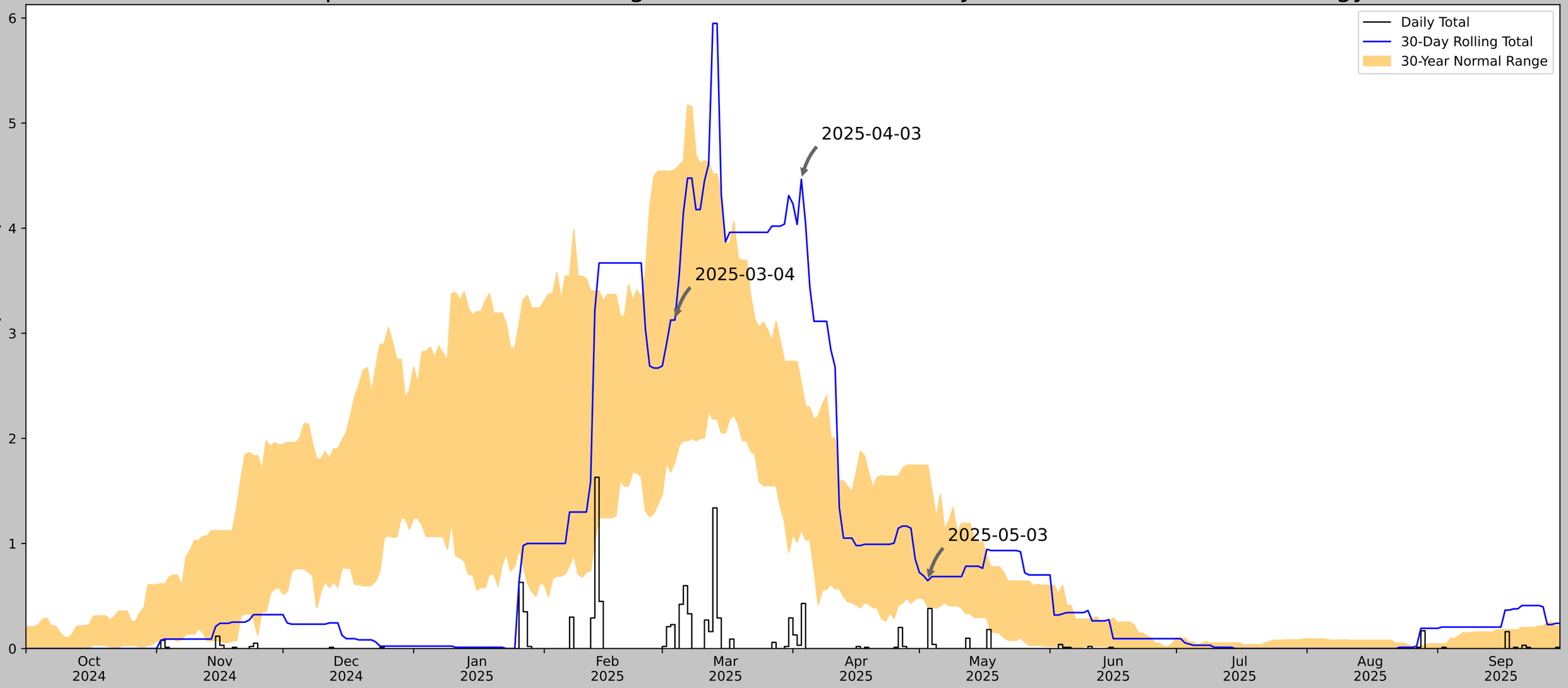
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-03
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-03	0.398425	1.744882	0.645669	Normal	2	3	6
2025-04-03	1.127953	2.520866	4.464567	Wet	3	2	6
2025-03-04	1.777559	4.555906	3.125984	Normal	2	1	2
Result							Normal Conditions - 14

Figures and tables made by the
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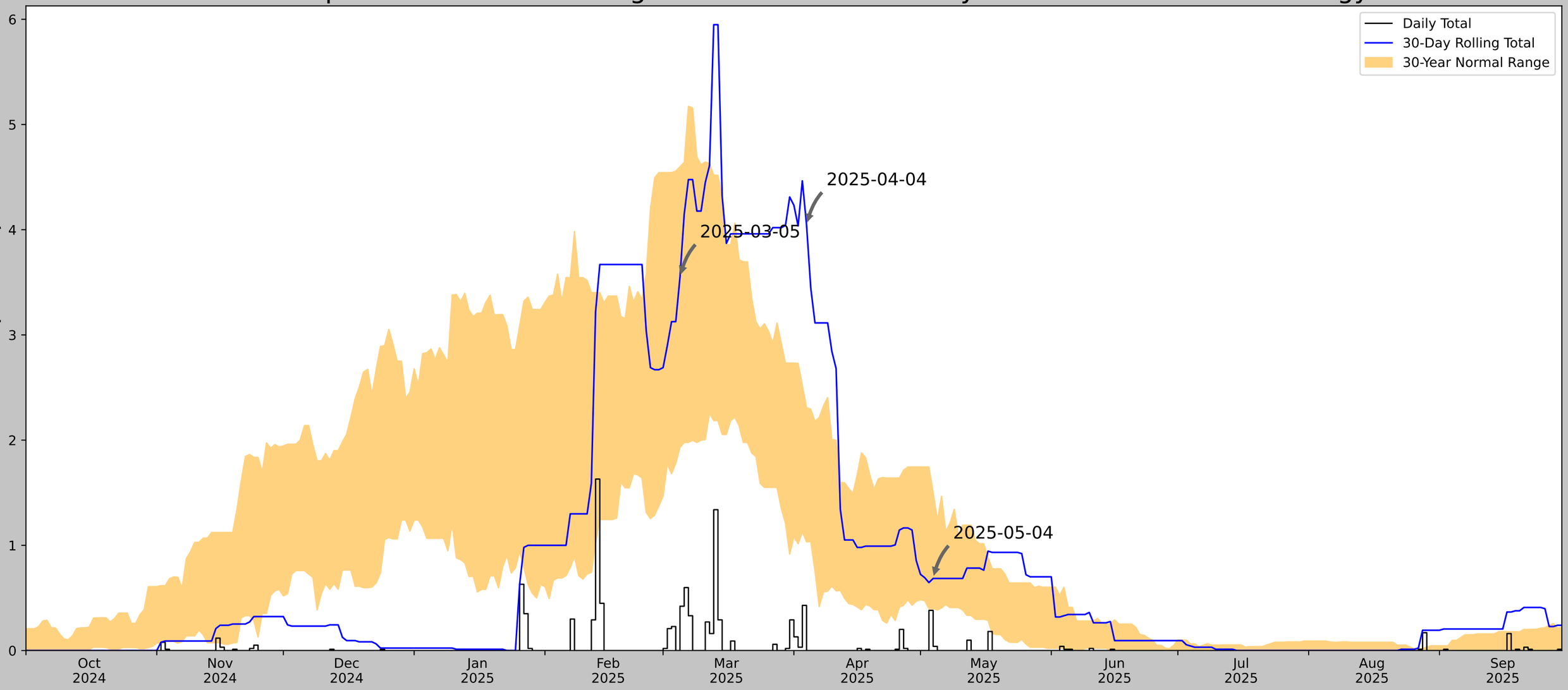
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-05-04
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-04	0.398425	1.501969	0.685039	Normal	2	3	6
2025-04-04	1.032677	2.307874	4.043307	Wet	3	2	6
2025-03-05	1.929134	4.598425	3.547244	Normal	2	1	2
Result							Normal Conditions - 14

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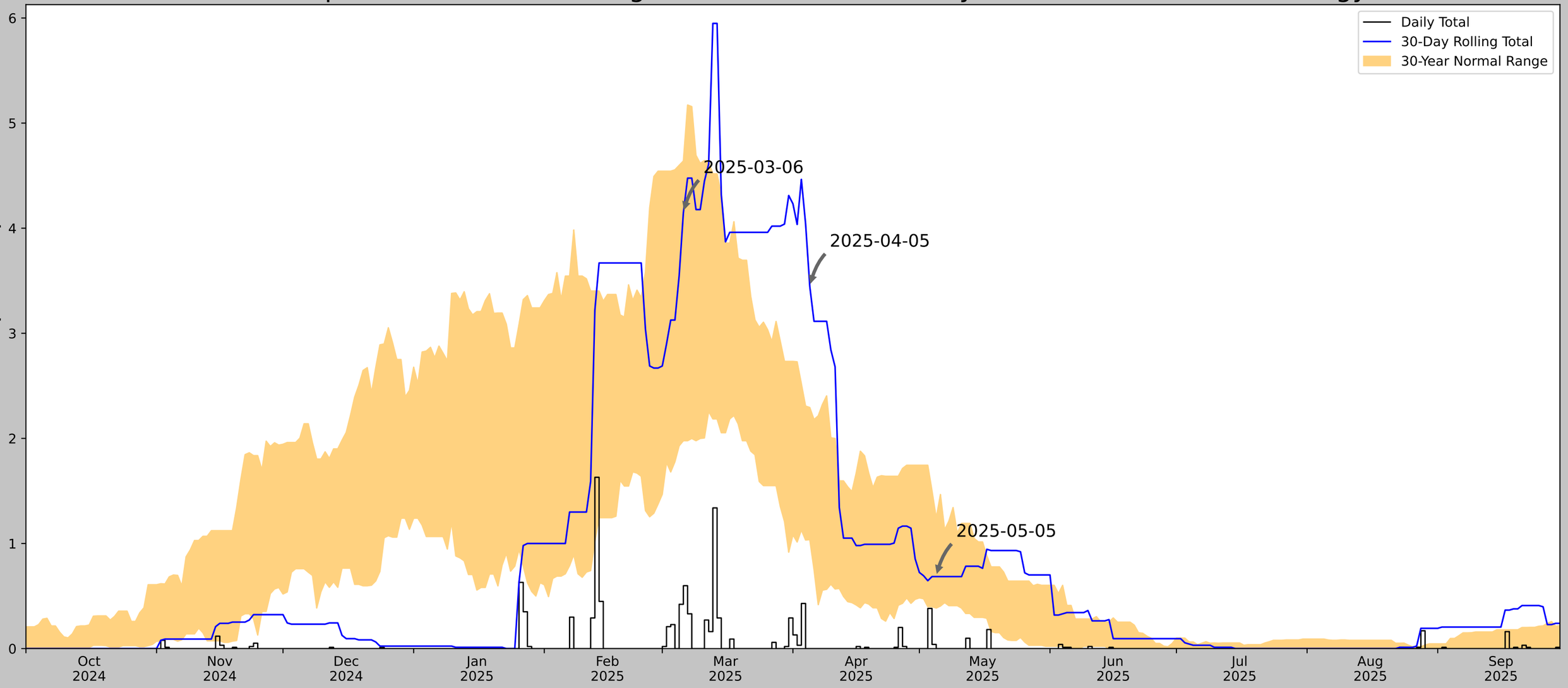
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-05
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-05	0.385433	1.243307	0.685039	Normal	2	3	6
2025-04-05	1.036221	2.294095	3.444882	Wet	3	2	6
2025-03-06	1.977559	4.639764	4.145669	Normal	2	1	2
Result							Normal Conditions - 14

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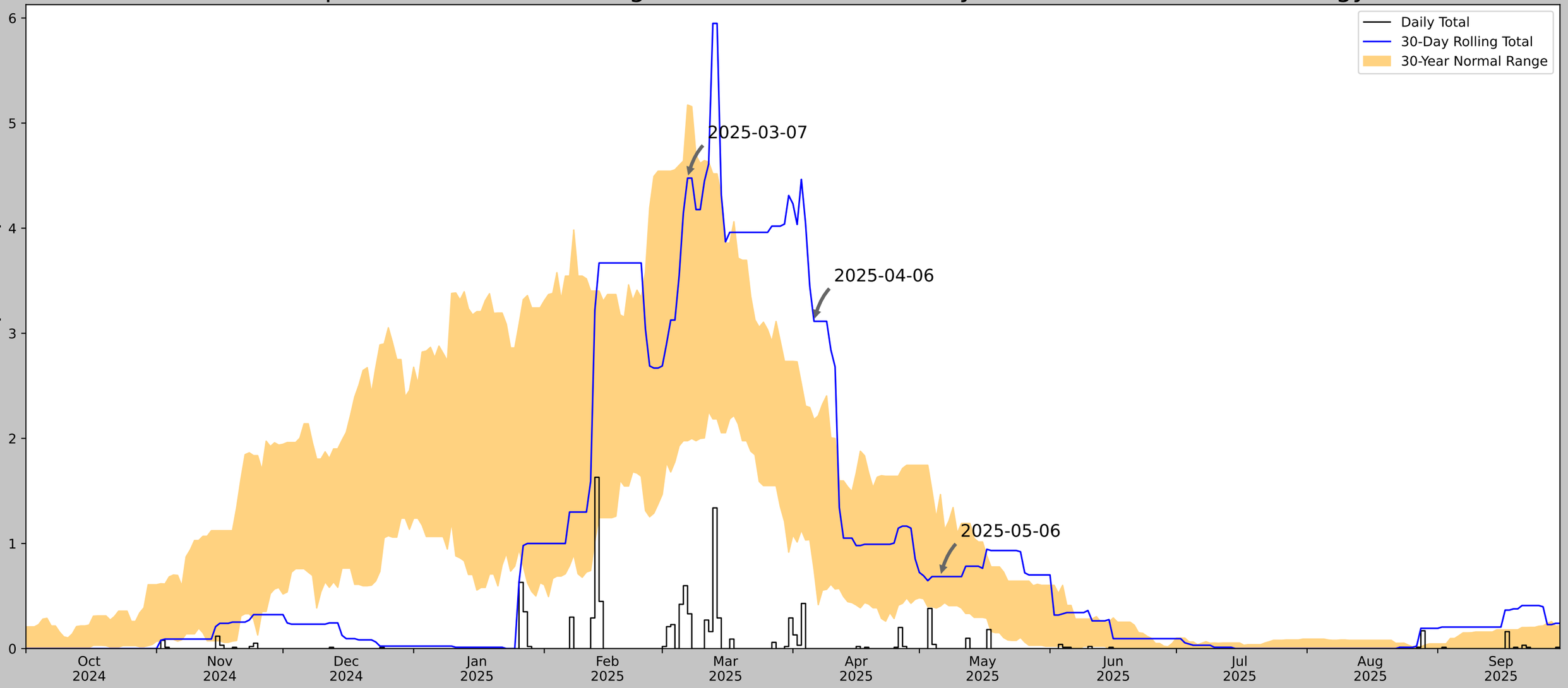
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-06
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-06	0.404331	1.466535	0.685039	Normal	2	3	6
2025-04-06	0.752756	2.179134	3.114173	Wet	3	2	6
2025-03-07	1.977559	5.172441	4.476378	Normal	2	1	2
Result							Normal Conditions - 14

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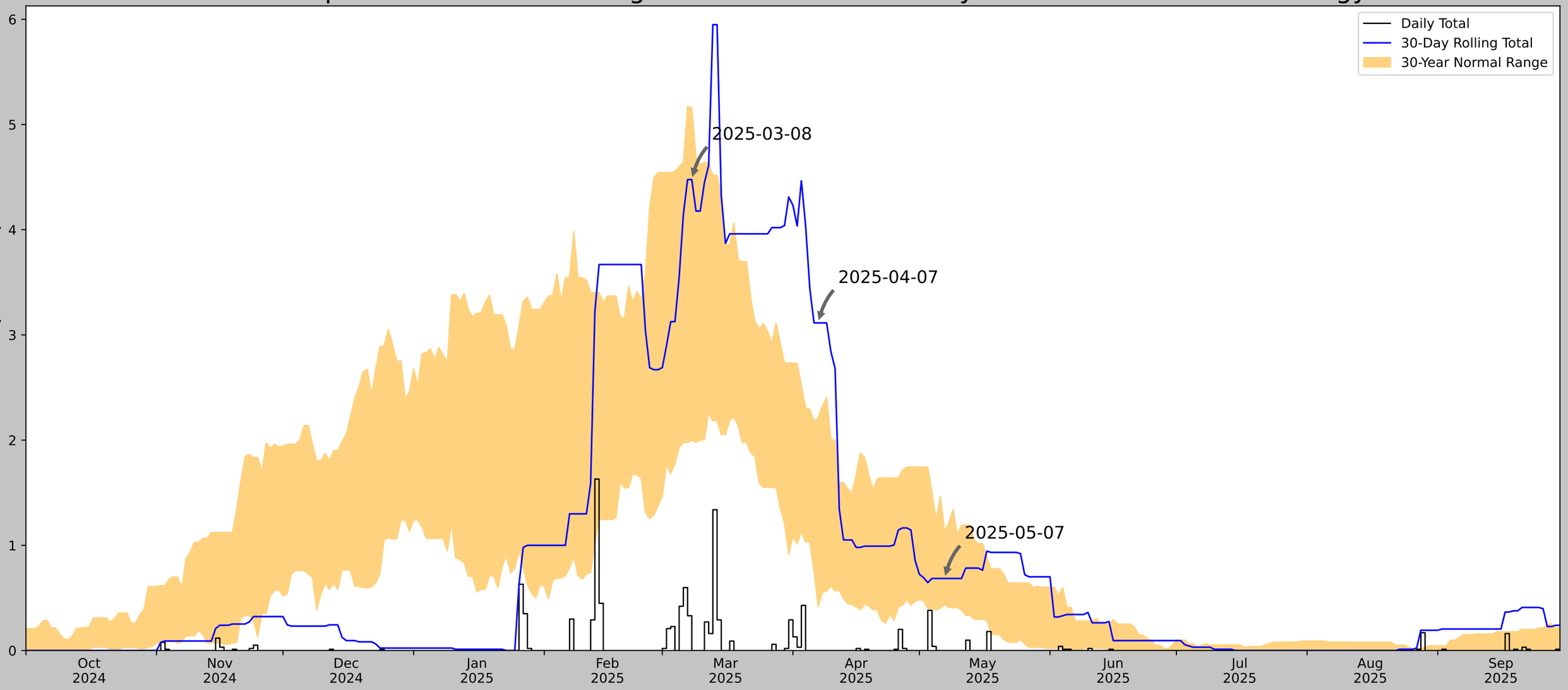
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-07
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-07	0.437402	1.129921	0.685039	Normal	2	3	6
2025-04-07	0.417323	2.214961	3.114173	Wet	3	2	6
2025-03-08	1.999213	5.157087	4.476378	Normal	2	1	2
Result							Normal Conditions - 14

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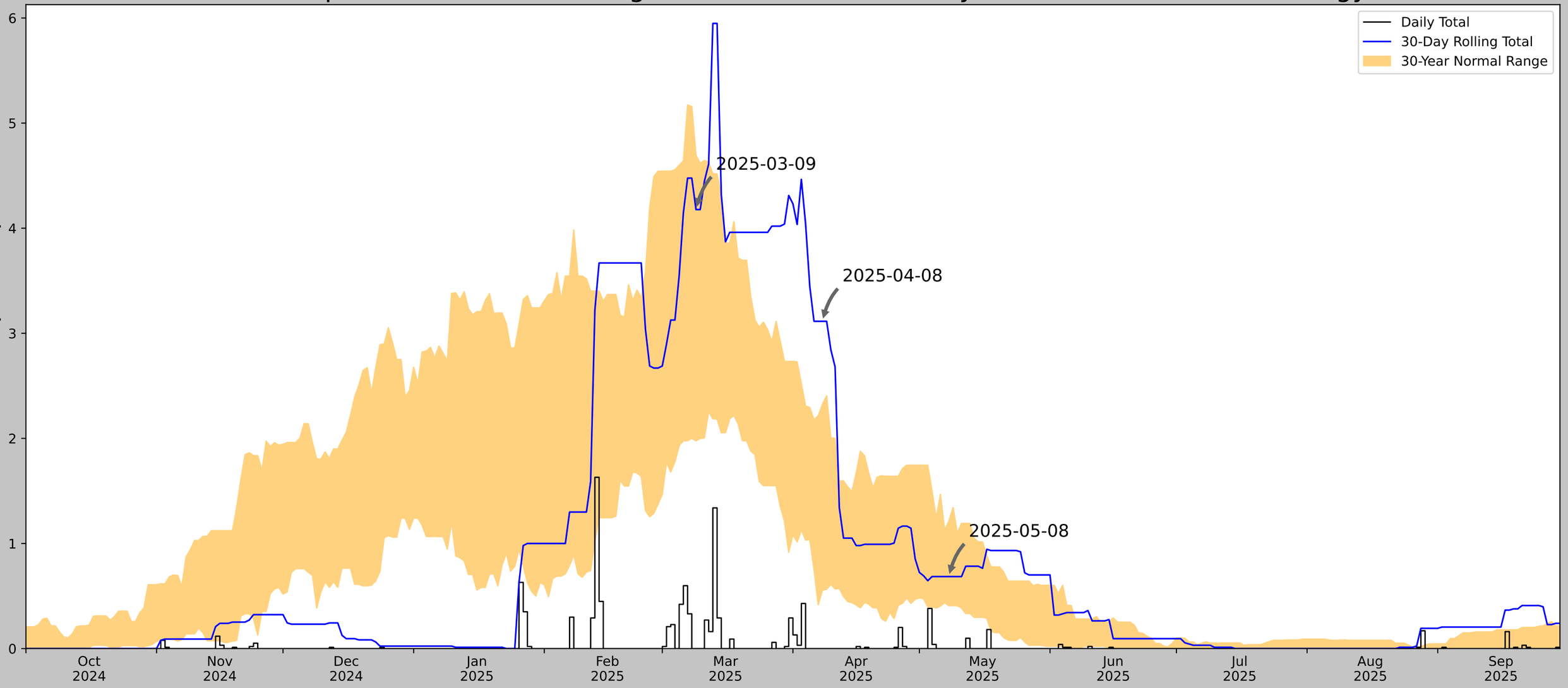
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-08
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-08	0.408268	1.212992	0.685039	Normal	2	3	6
2025-04-08	0.555512	2.323622	3.114173	Wet	3	2	6
2025-03-09	1.977559	4.693307	4.177165	Normal	2	1	2
Result							Normal Conditions - 14

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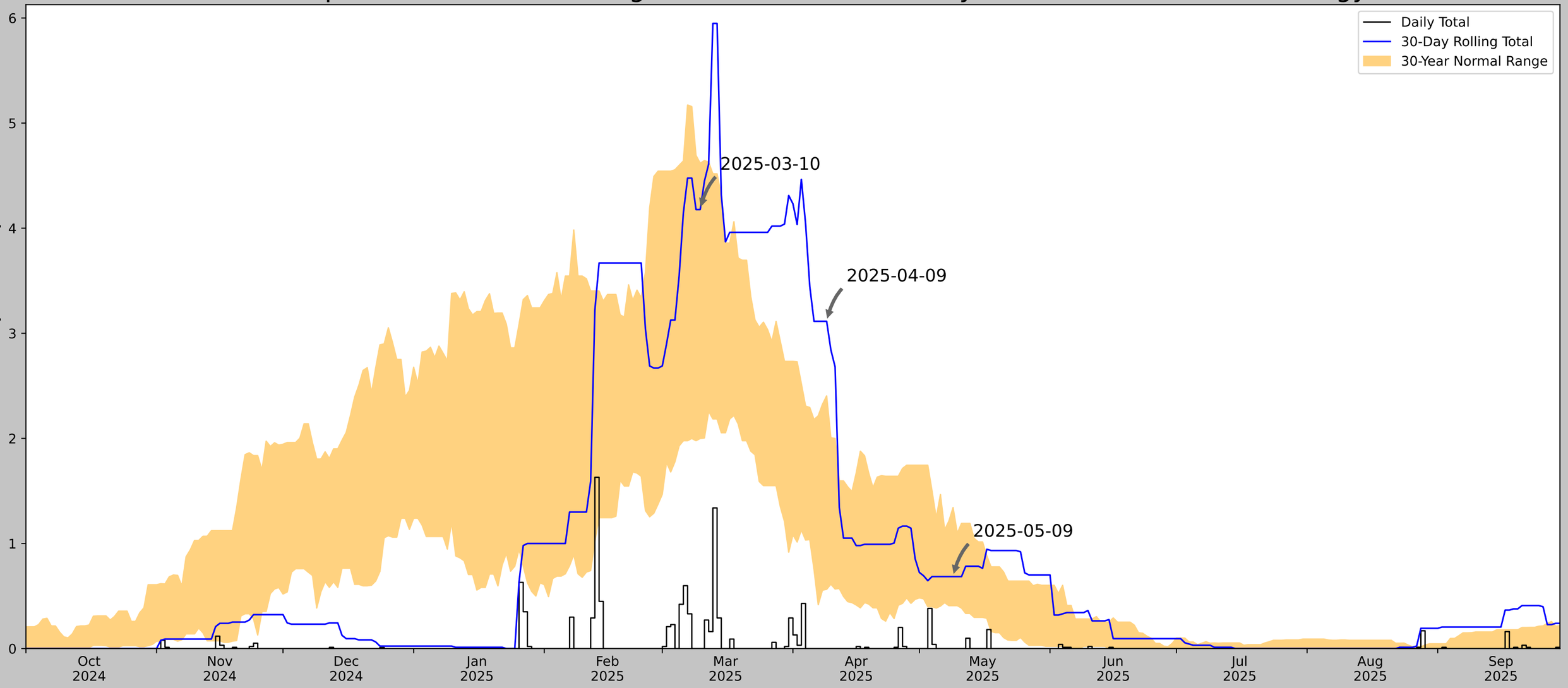
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-09
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-09	0.408268	1.34252	0.685039	Normal	2	3	6
2025-04-09	0.56378	2.405118	3.114173	Wet	3	2	6
2025-03-10	1.999213	4.617717	4.177165	Normal	2	1	2
Result							Normal Conditions - 14

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Developed by:
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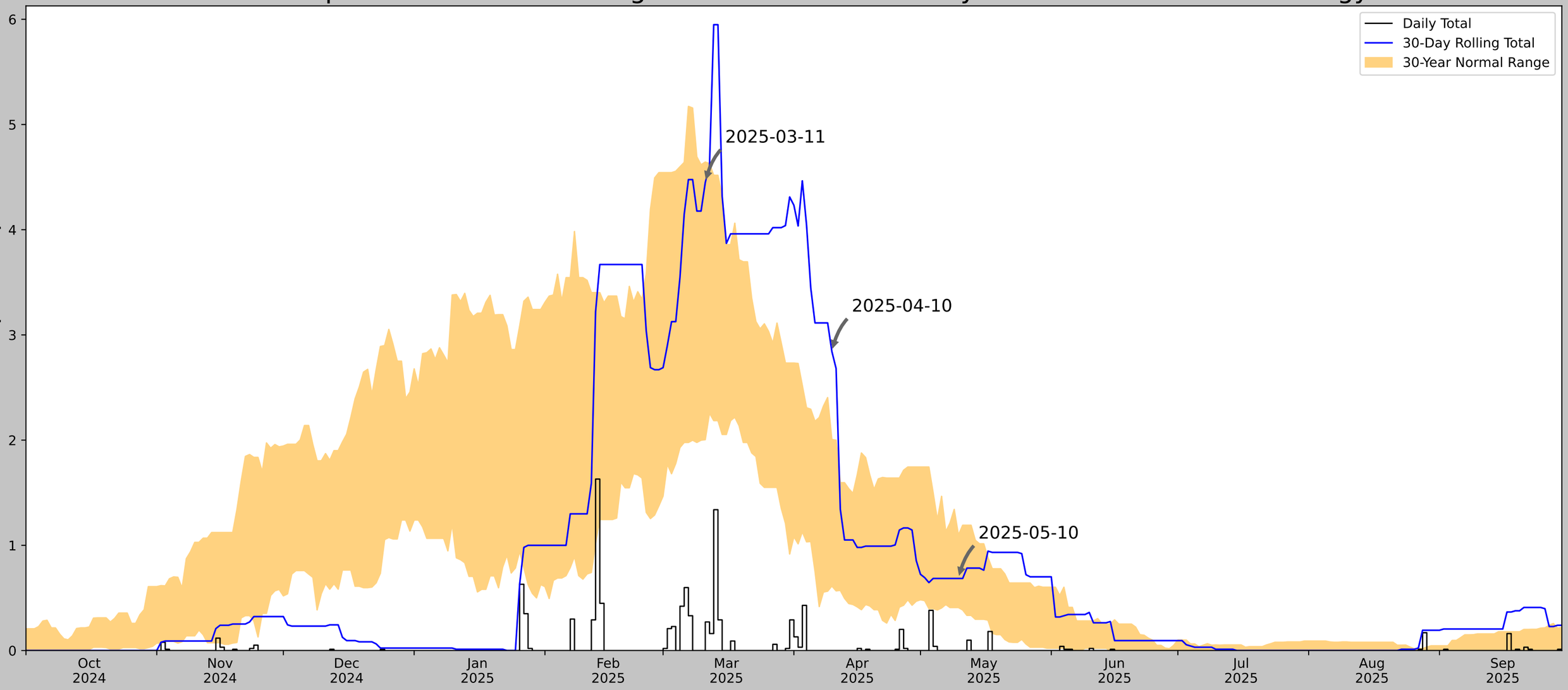
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-05-10
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-10	0.408268	1.097638	0.685039	Normal	2	3	6
2025-04-10	0.612598	2.005512	2.84252	Wet	3	2	6
2025-03-11	2.003937	4.643701	4.448819	Normal	2	1	2
Result							Normal Conditions - 14

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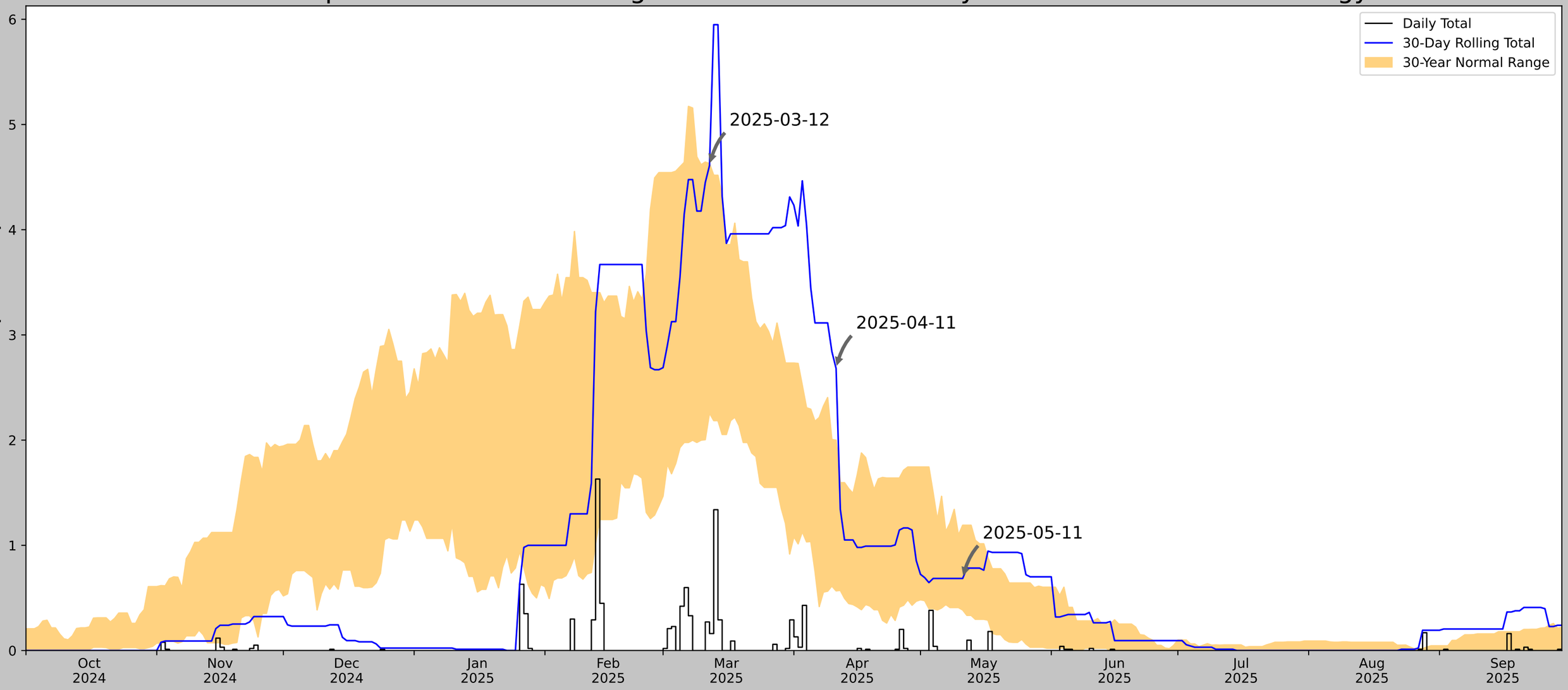
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-05-11
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-11	0.385433	1.191339	0.685039	Normal	2	3	6
2025-04-11	0.566929	1.999606	2.681102	Wet	3	2	6
2025-03-12	2.256693	4.628347	4.610236	Normal	2	1	2
Result							Normal Conditions - 14

Figures and tables made by the
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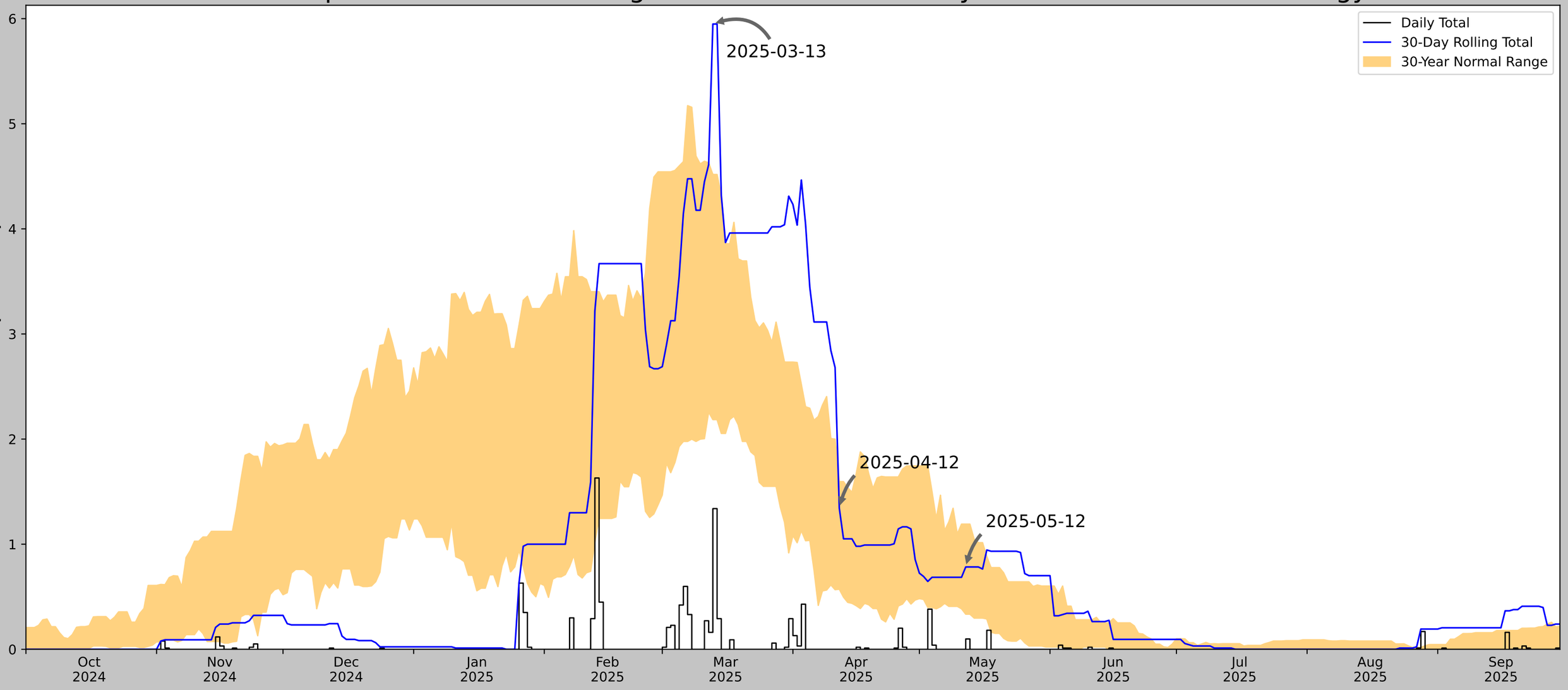
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-12
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-12	0.333858	1.191339	0.783465	Normal	2	3	6
2025-04-12	0.571654	1.595669	1.34252	Normal	2	2	4
2025-03-13	2.185039	4.517717	5.948819	Wet	3	1	3
Result							Normal Conditions - 13

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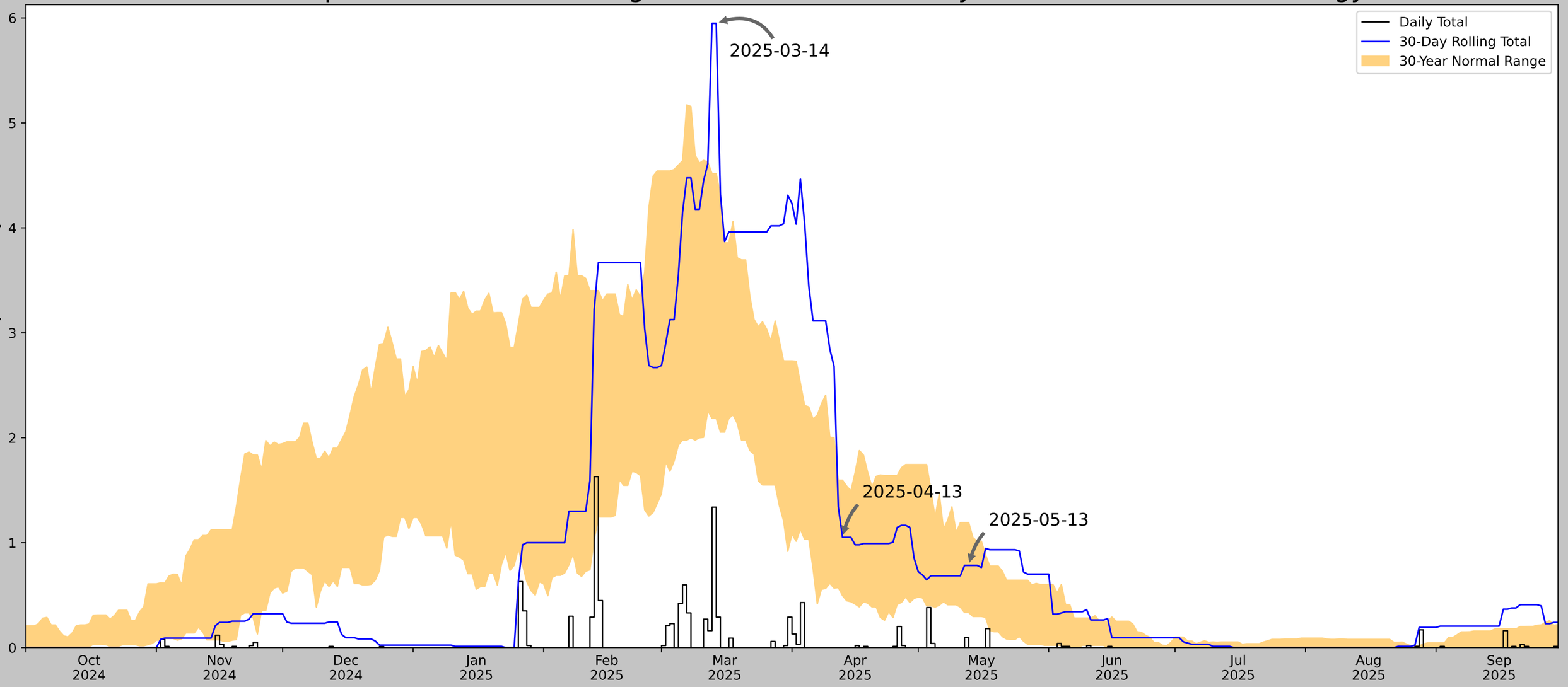
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-13
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-13	0.333858	1.191339	0.783465	Normal	2	3	6
2025-04-13	0.496063	1.595669	1.051181	Normal	2	2	4
2025-03-14	2.185039	4.517717	5.948819	Wet	3	1	3
Result							Normal Conditions - 13

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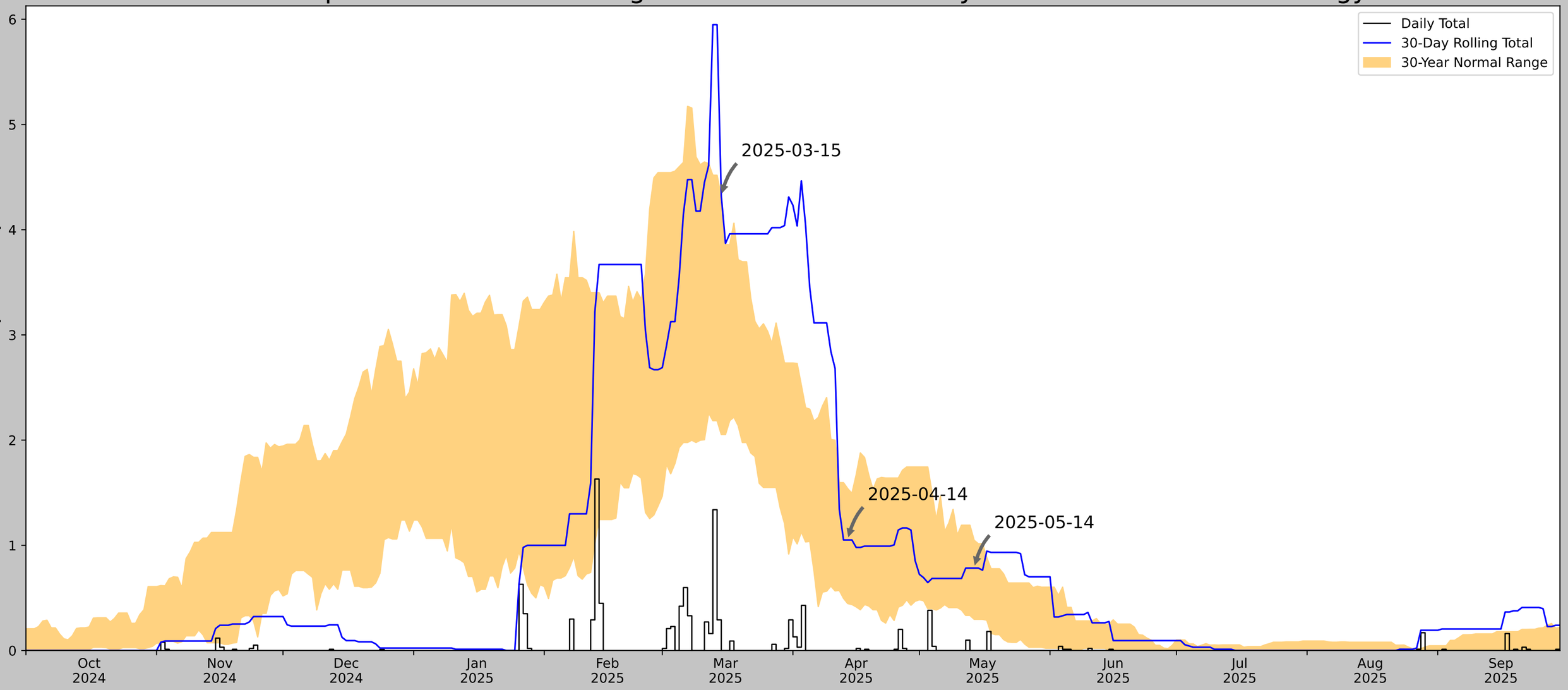
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-14
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-14	0.29685	1.048032	0.783465	Normal	2	3	6
2025-04-14	0.446457	1.538976	1.051181	Normal	2	2	4
2025-03-15	2.053543	4.31378	4.318898	Wet	3	1	3
Result							Normal Conditions - 13

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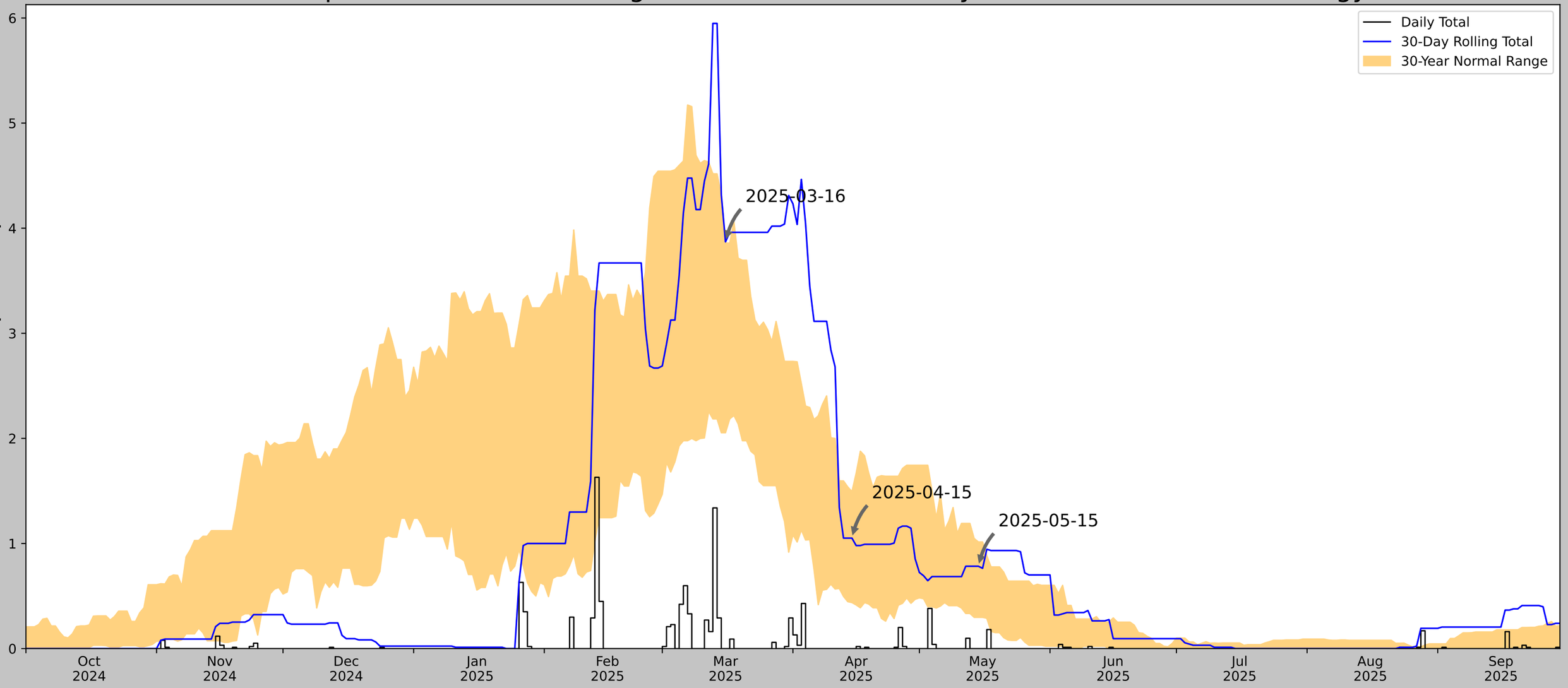
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-15
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-15	0.29685	1.014961	0.783465	Normal	2	3	6
2025-04-15	0.437402	1.494095	1.051181	Normal	2	2	4
2025-03-16	2.053543	3.858268	3.870079	Wet	3	1	3
Result							Normal Conditions - 13

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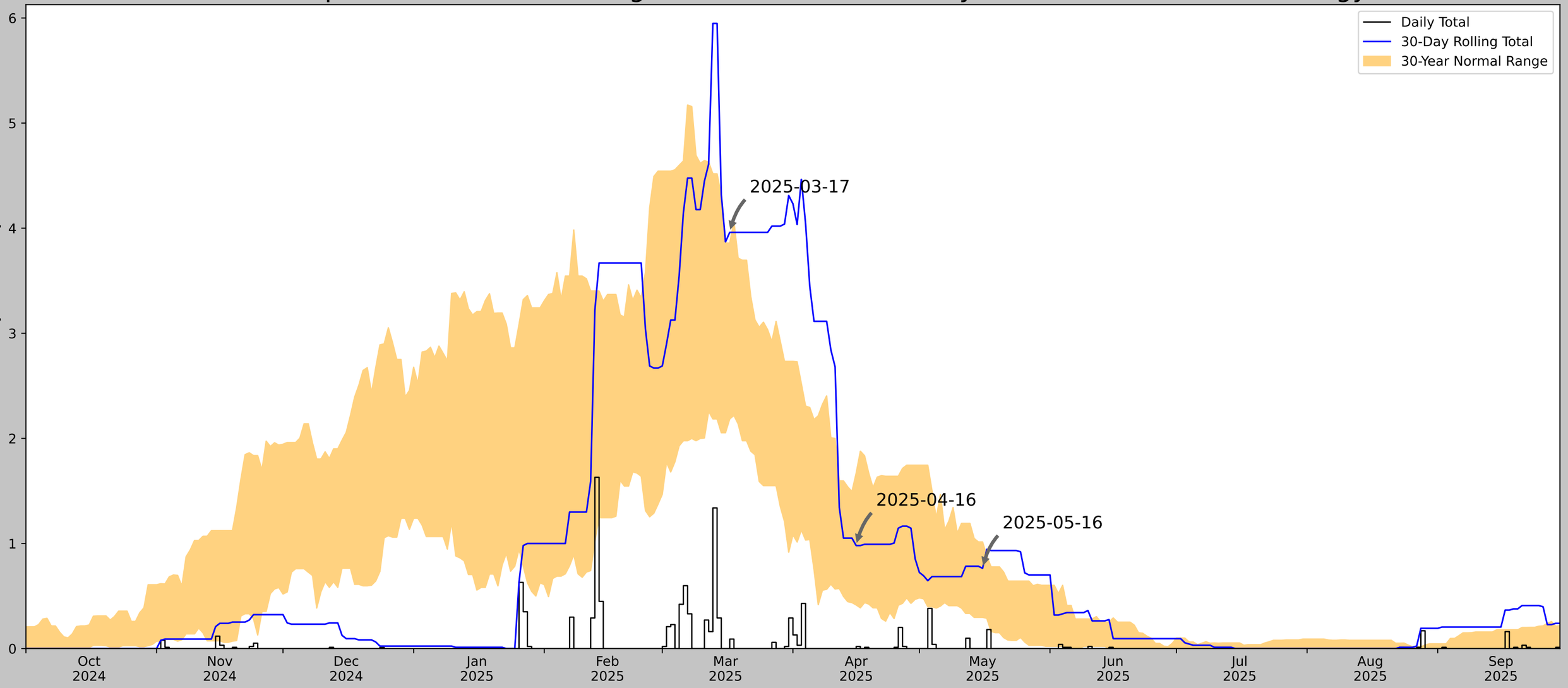
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-16
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-16	0.29685	1.014961	0.76378	Normal	2	3	6
2025-04-16	0.414961	1.669291	0.980315	Normal	2	2	4
2025-03-17	2.185039	3.858268	3.96063	Wet	3	1	3
Result							Normal Conditions - 13

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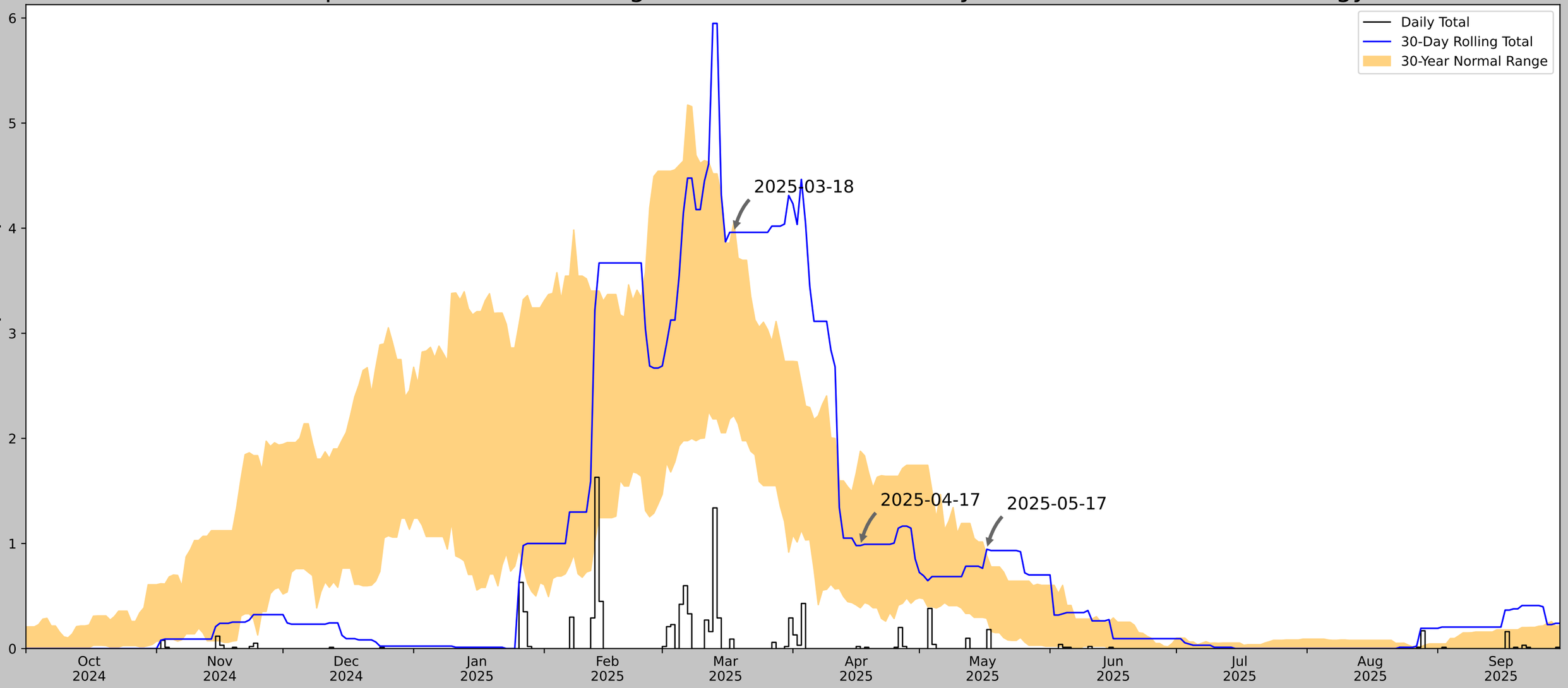
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-17
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-17	0.288583	0.883858	0.944882	Wet	3	3	9
2025-04-17	0.387795	1.878347	0.980315	Normal	2	2	4
2025-03-18	2.21811	4.062205	3.96063	Normal	2	1	2
Result							Wetter than Normal - 15

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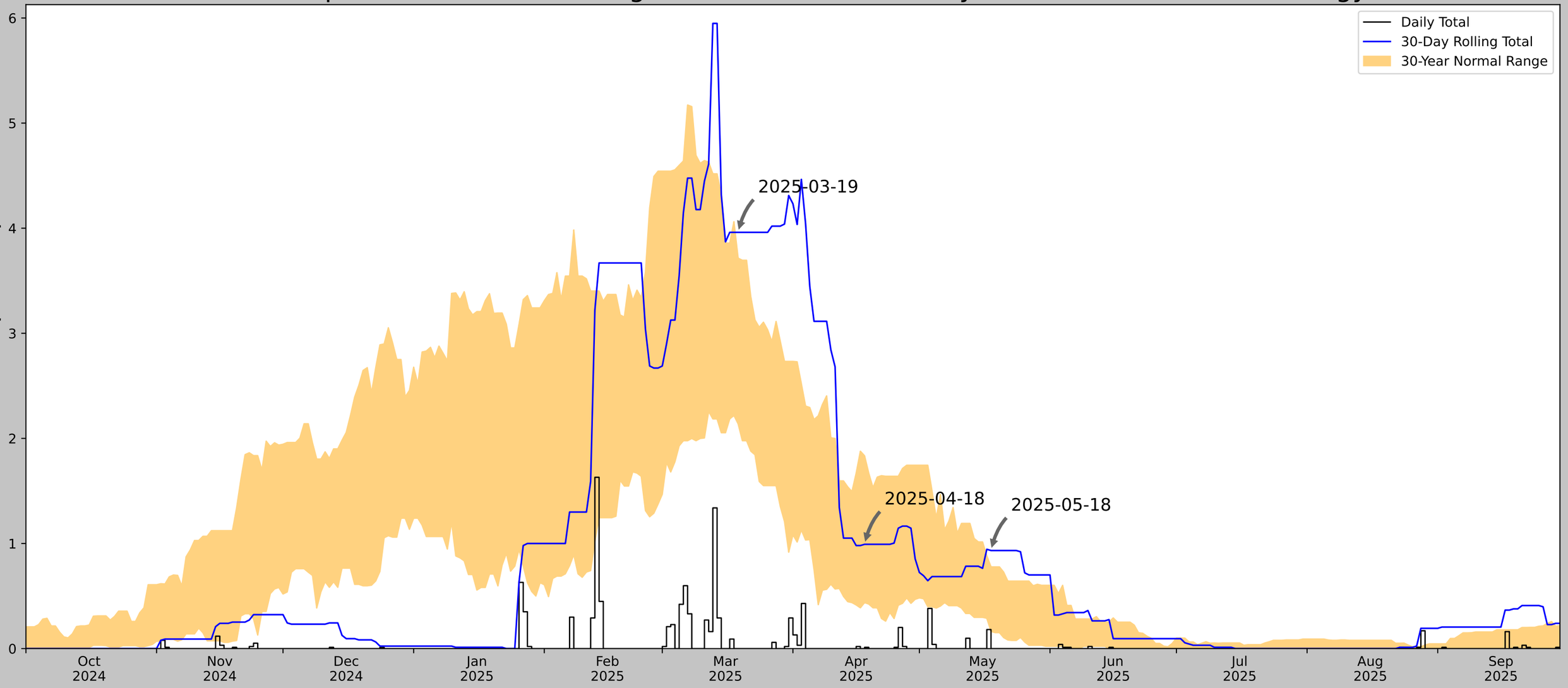
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-18
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-18	0.163386	0.777559	0.933071	Wet	3	3	9
2025-04-18	0.437402	1.834646	0.992126	Normal	2	2	4
2025-03-19	2.137402	3.714961	3.96063	Wet	3	1	3
Result							Wetter than Normal - 16

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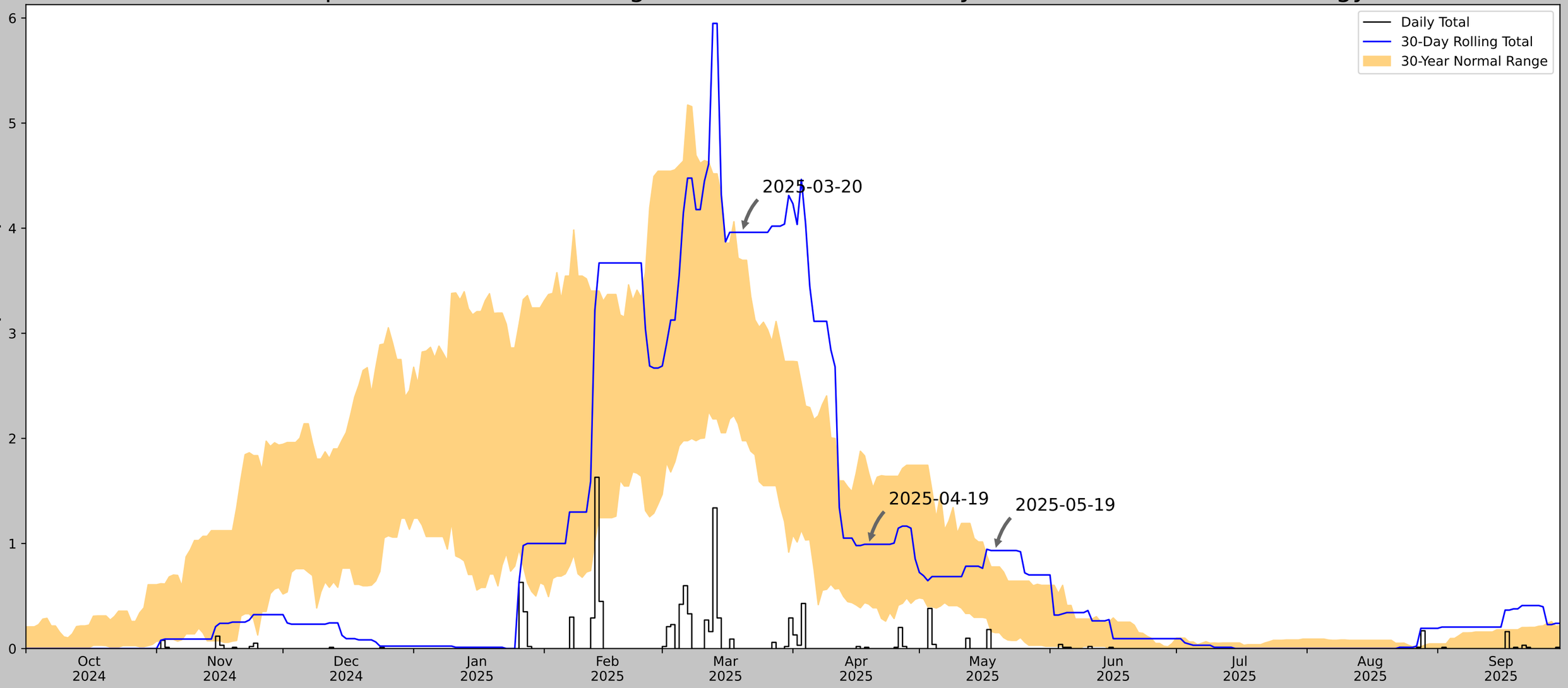
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-19
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-19	0.151575	0.777559	0.933071	Wet	3	3	9
2025-04-19	0.423228	1.66811	0.992126	Normal	2	2	4
2025-03-20	1.977559	3.695276	3.96063	Wet	3	1	3
Result							Wetter than Normal - 16

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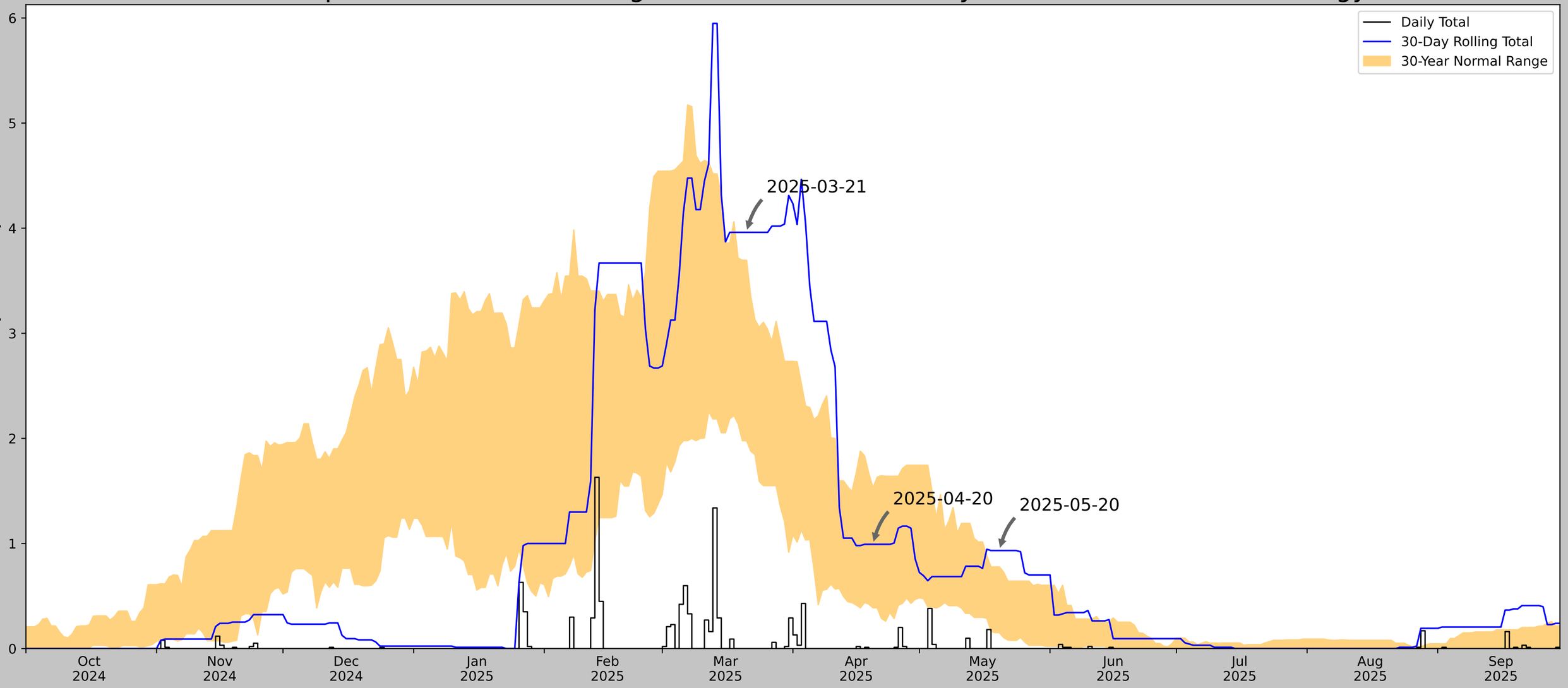
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-20
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-20	0.151575	0.777559	0.933071	Wet	3	3	9
2025-04-20	0.387795	1.531102	0.992126	Normal	2	2	4
2025-03-21	1.977559	3.695276	3.96063	Wet	3	1	3
Result							Wetter than Normal - 16

Figures and tables made by the
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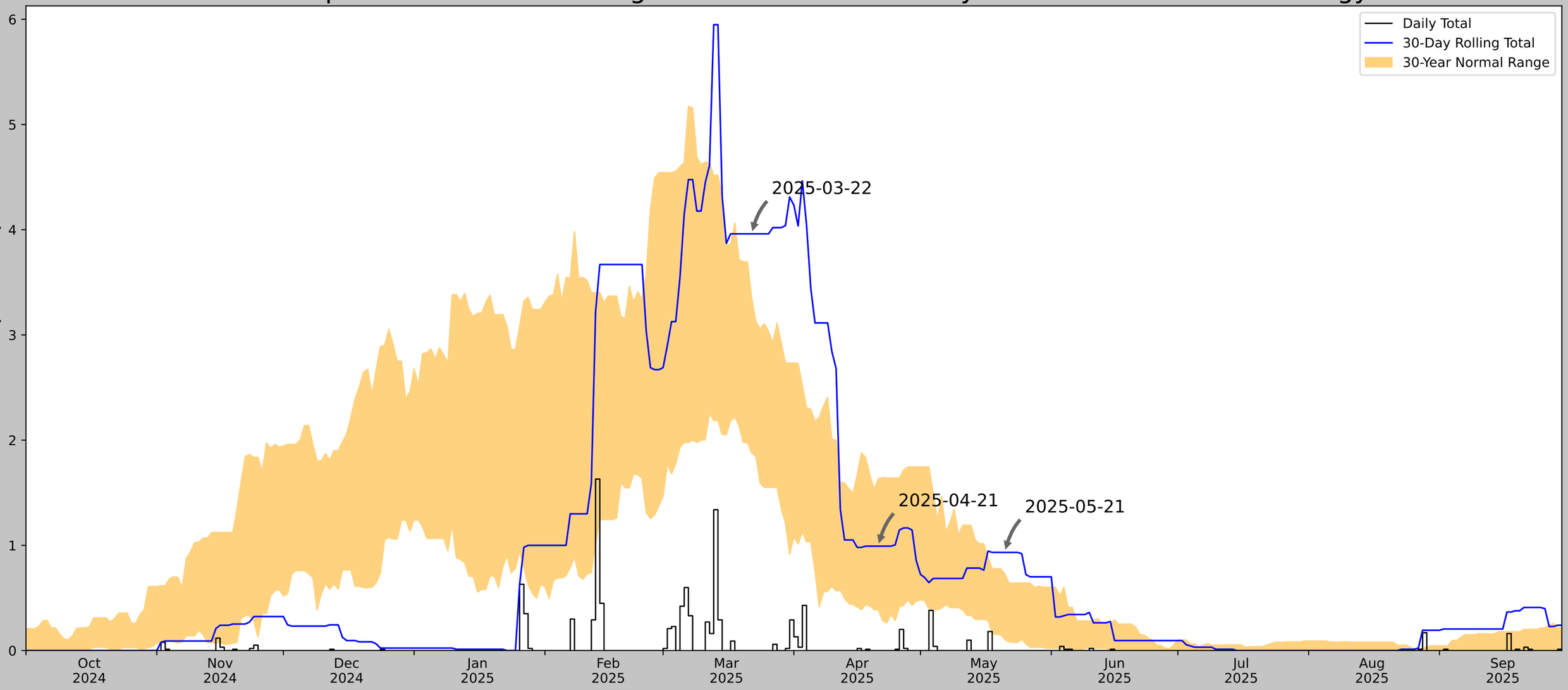
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-05-21
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-21	0.104331	0.727953	0.933071	Wet	3	3	9
2025-04-21	0.387795	1.631496	0.992126	Normal	2	2	4
2025-03-22	1.878347	3.349606	3.96063	Wet	3	1	3
Result							Wetter than Normal - 16

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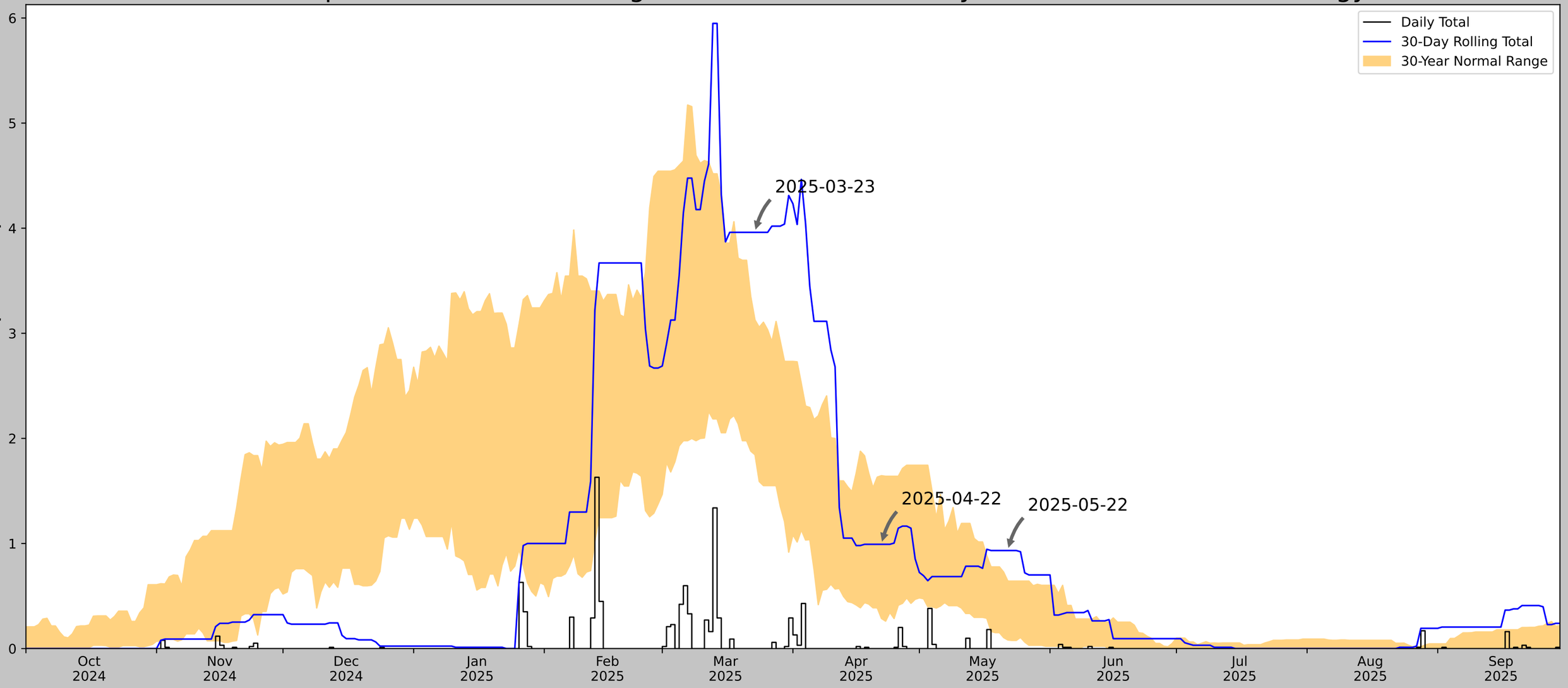
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-22
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-22	0.081496	0.642126	0.933071	Wet	3	3	9
2025-04-22	0.286614	1.645276	0.992126	Normal	2	2	4
2025-03-23	1.844095	3.126772	3.96063	Wet	3	1	3
Result							Wetter than Normal - 16

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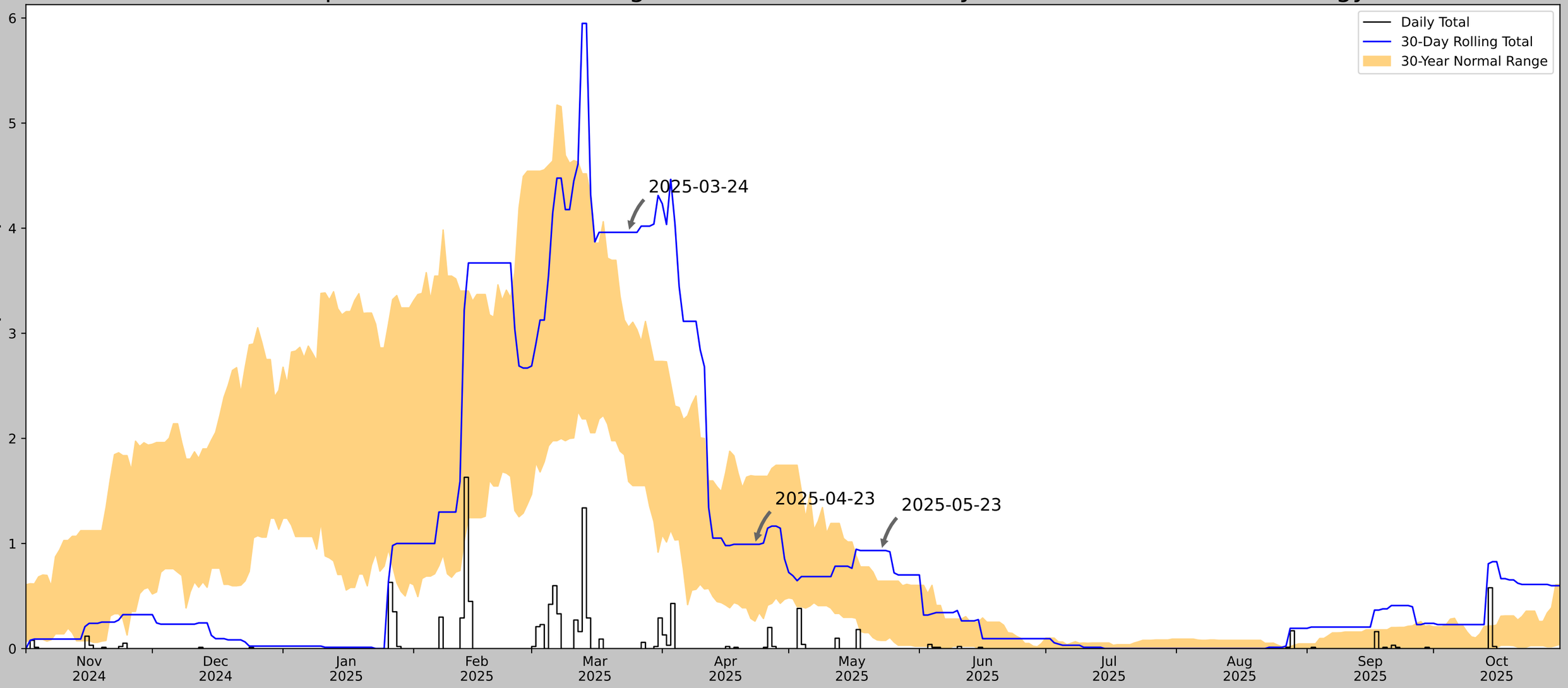
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-23
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-23	0.077559	0.642126	0.933071	Wet	3	3	9
2025-04-23	0.26063	1.639764	0.992126	Normal	2	2	4
2025-03-24	1.58937	3.057874	3.96063	Wet	3	1	3
Result							Wetter than Normal - 16

Figures and tables made by the
Antecedent Precipitation Tool
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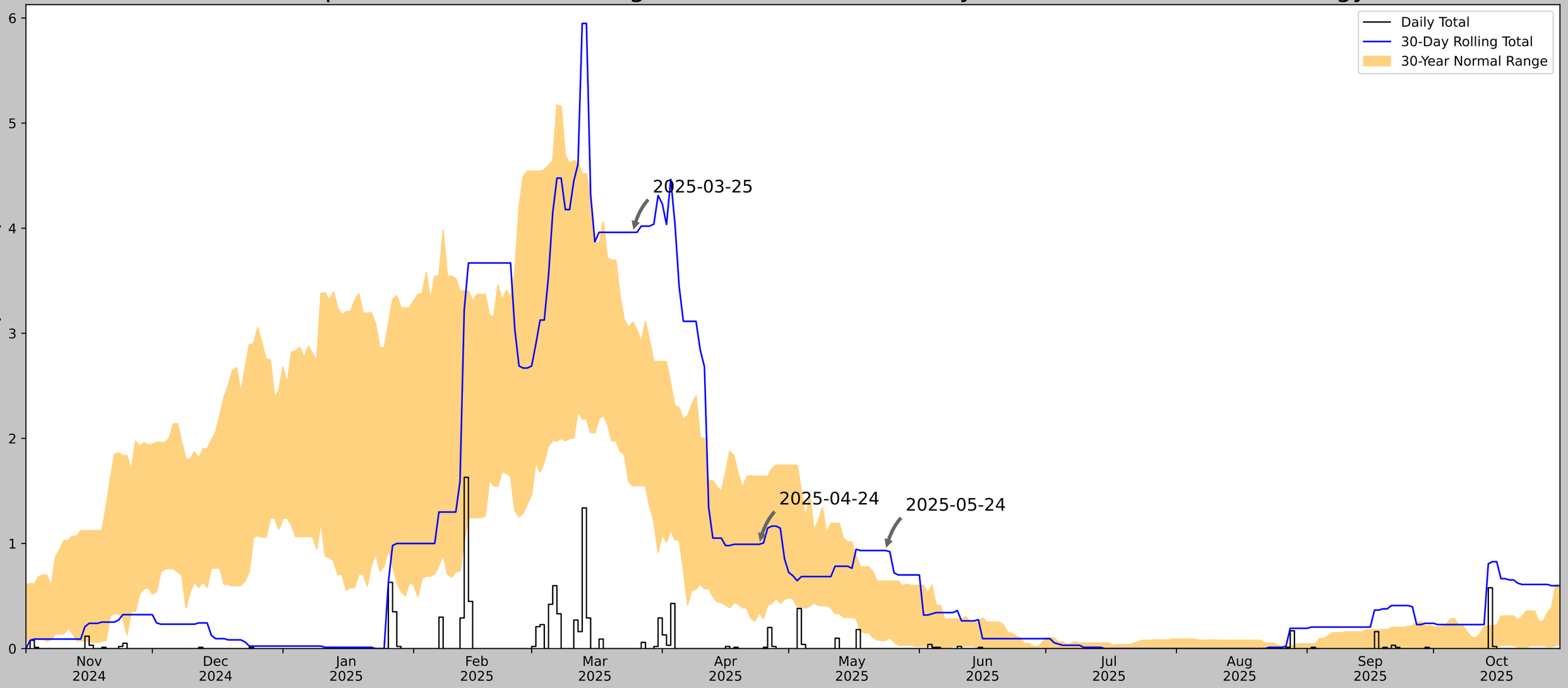
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-24
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-24	0.077559	0.642126	0.933071	Wet	3	3	9
2025-04-24	0.343701	1.639764	0.992126	Normal	2	2	4
2025-03-25	1.550394	3.105906	3.96063	Wet	3	1	3
Result							Wetter than Normal - 16

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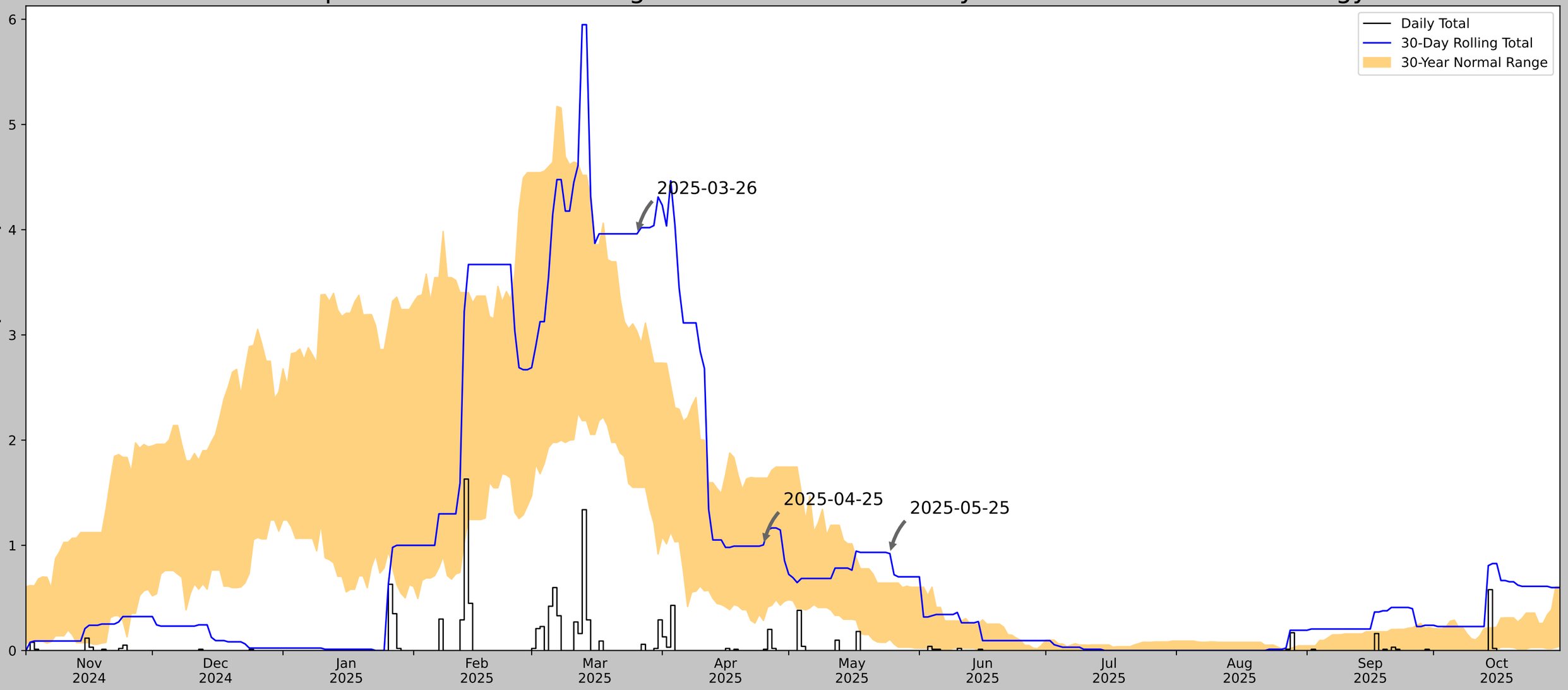
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-05-25
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-25	0.106299	0.642126	0.92126	Wet	3	3	9
2025-04-25	0.285433	1.639764	1.003937	Normal	2	2	4
2025-03-26	1.550394	3.033858	3.96063	Wet	3	1	3
Result							Wetter than Normal - 16

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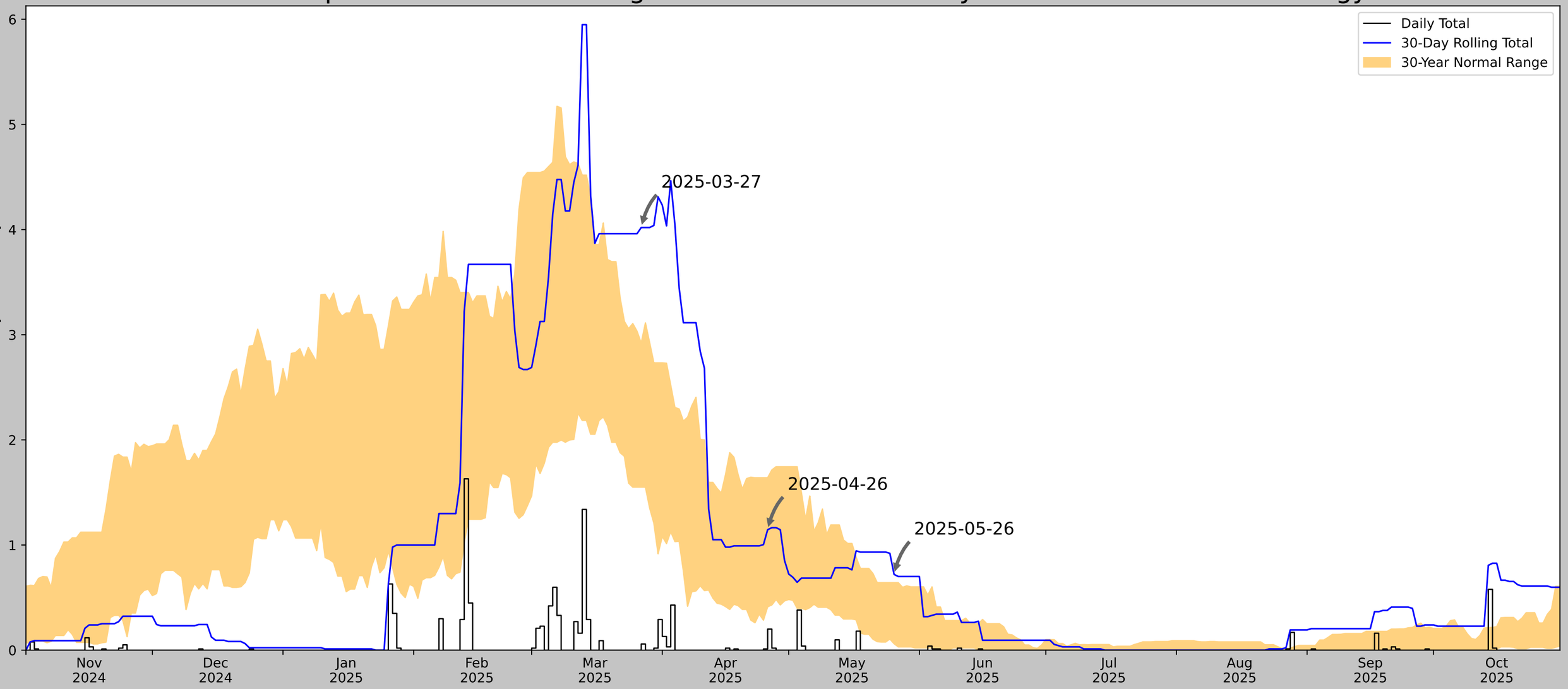
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-26
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-26	0.061811	0.642126	0.720472	Wet	3	3	9
2025-04-26	0.412598	1.639764	1.145669	Normal	2	2	4
2025-03-27	1.550394	2.92126	4.019685	Wet	3	1	3
Result							Wetter than Normal - 16

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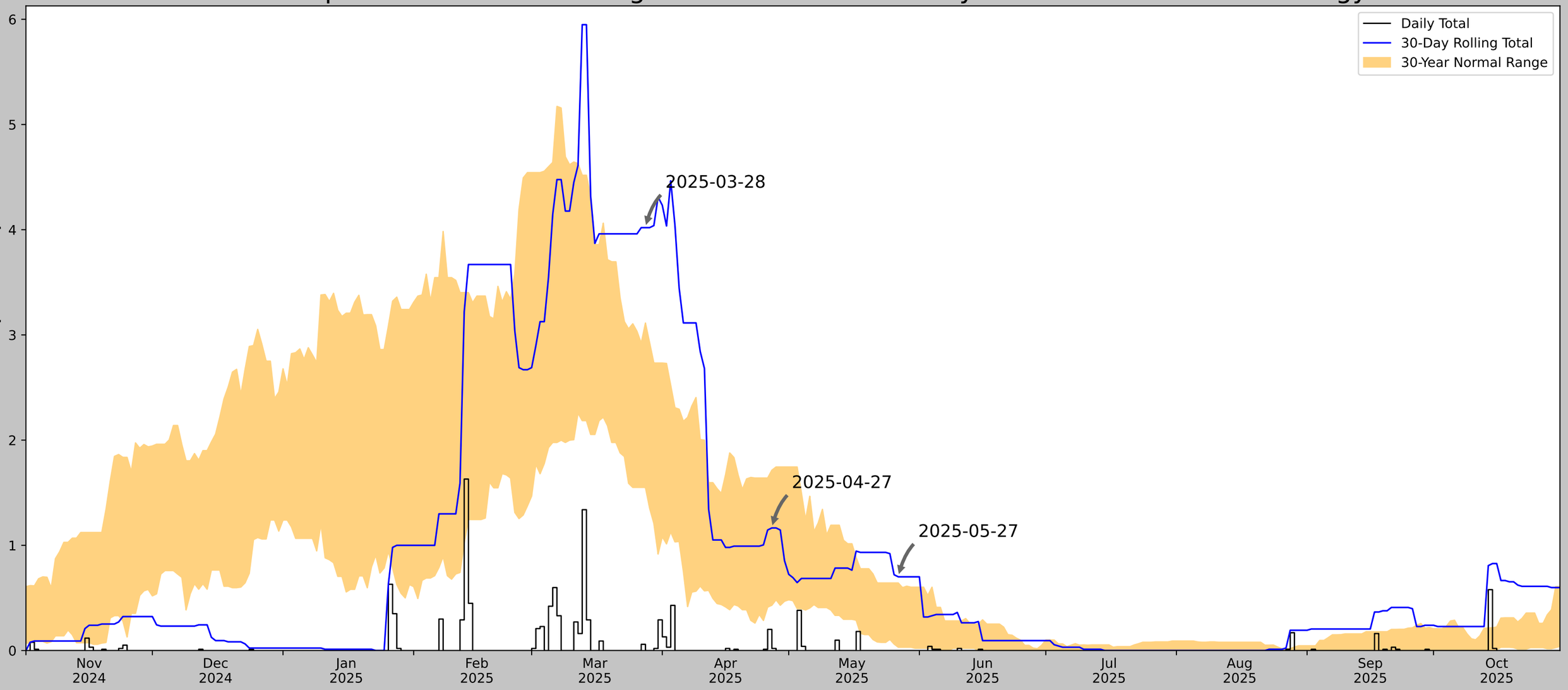
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-05-27
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-27	0.031496	0.642126	0.700787	Wet	3	3	9
2025-04-27	0.430315	1.714173	1.165354	Normal	2	2	4
2025-03-28	1.550394	3.112992	4.019685	Wet	3	1	3
Result							Wetter than Normal - 16

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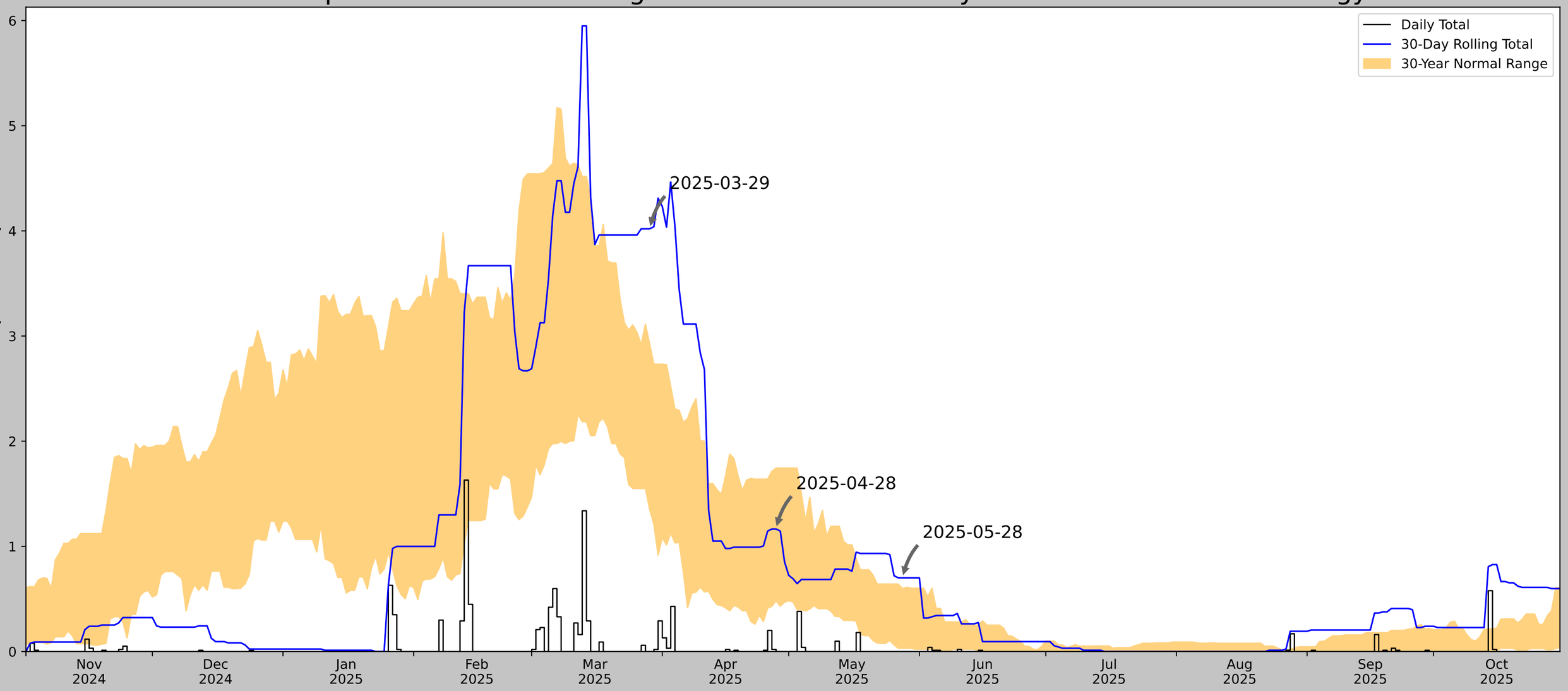
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-05-28
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-28	0.031496	0.597638	0.700787	Wet	3	3	9
2025-04-28	0.482283	1.744882	1.165354	Normal	2	2	4
2025-03-29	1.351969	2.924803	4.019685	Wet	3	1	3
Result							Wetter than Normal - 16

Figures and tables made by the
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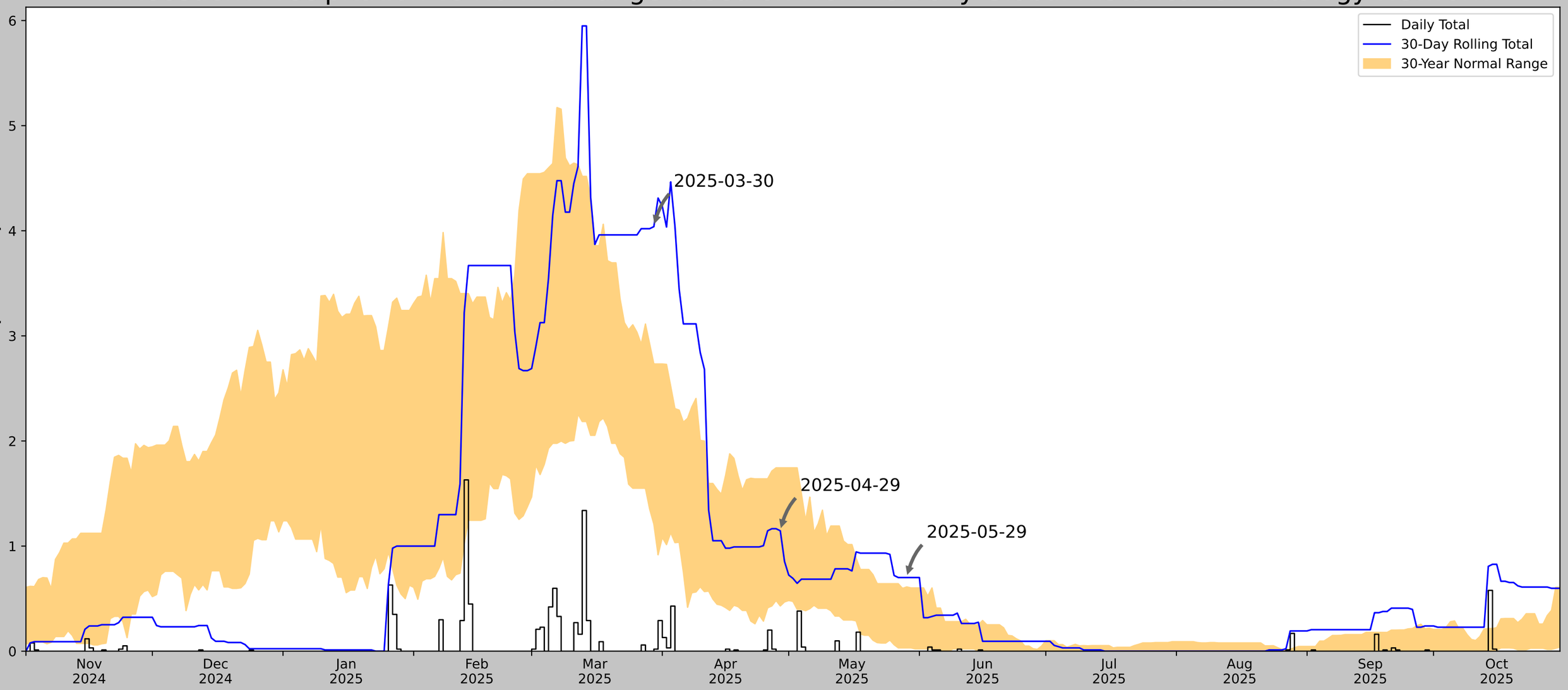
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-05-29
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-29	0.031496	0.611811	0.700787	Wet	3	3	9
2025-04-29	0.430315	1.744882	1.145669	Normal	2	2	4
2025-03-30	1.208268	2.732677	4.03937	Wet	3	1	3
Result							Wetter than Normal - 16

Figures and tables made by the
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Version 3.0

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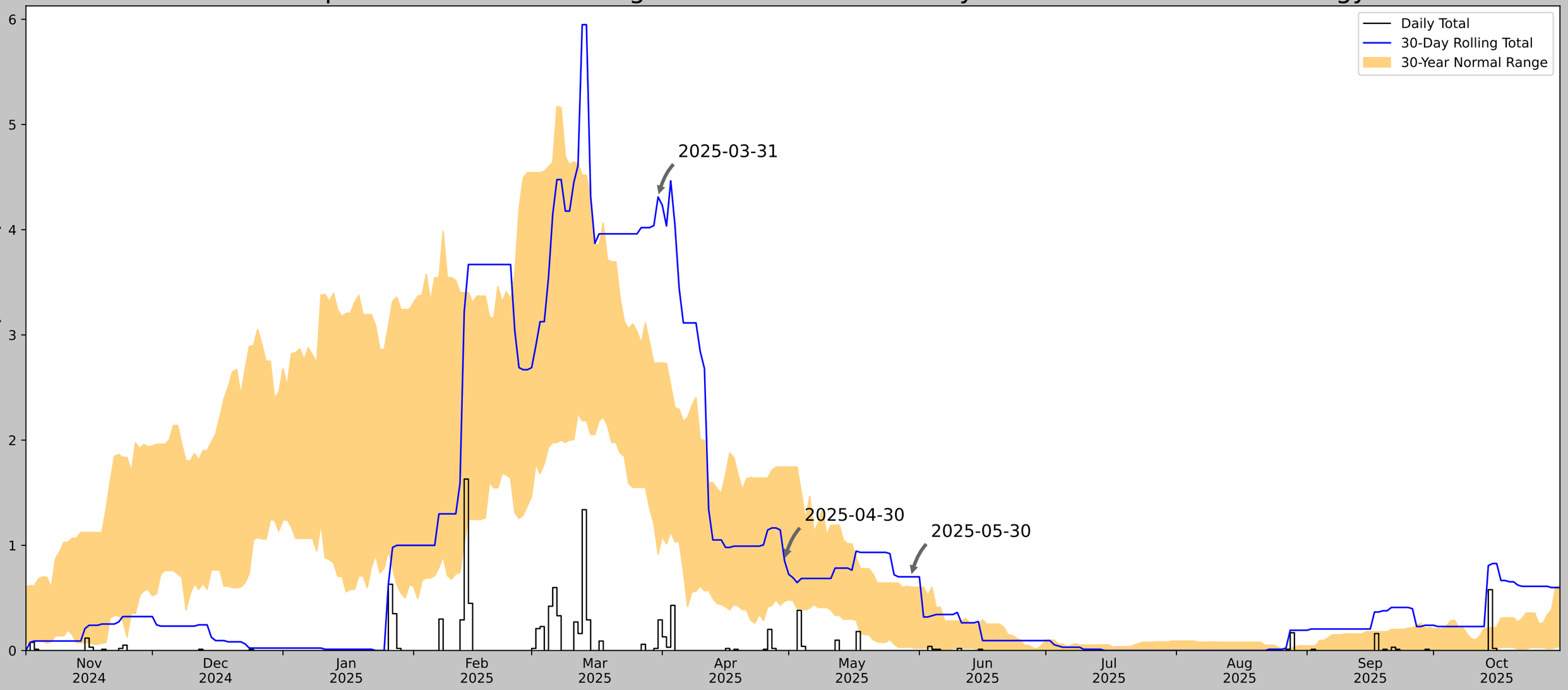
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-30
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-30	0.031496	0.602362	0.700787	Wet	3	3	9
2025-04-30	0.468504	1.744882	0.854331	Normal	2	2	4
2025-03-31	0.916929	2.732677	4.311024	Wet	3	1	3
Result							Wetter than Normal - 16

Figures and tables made by the
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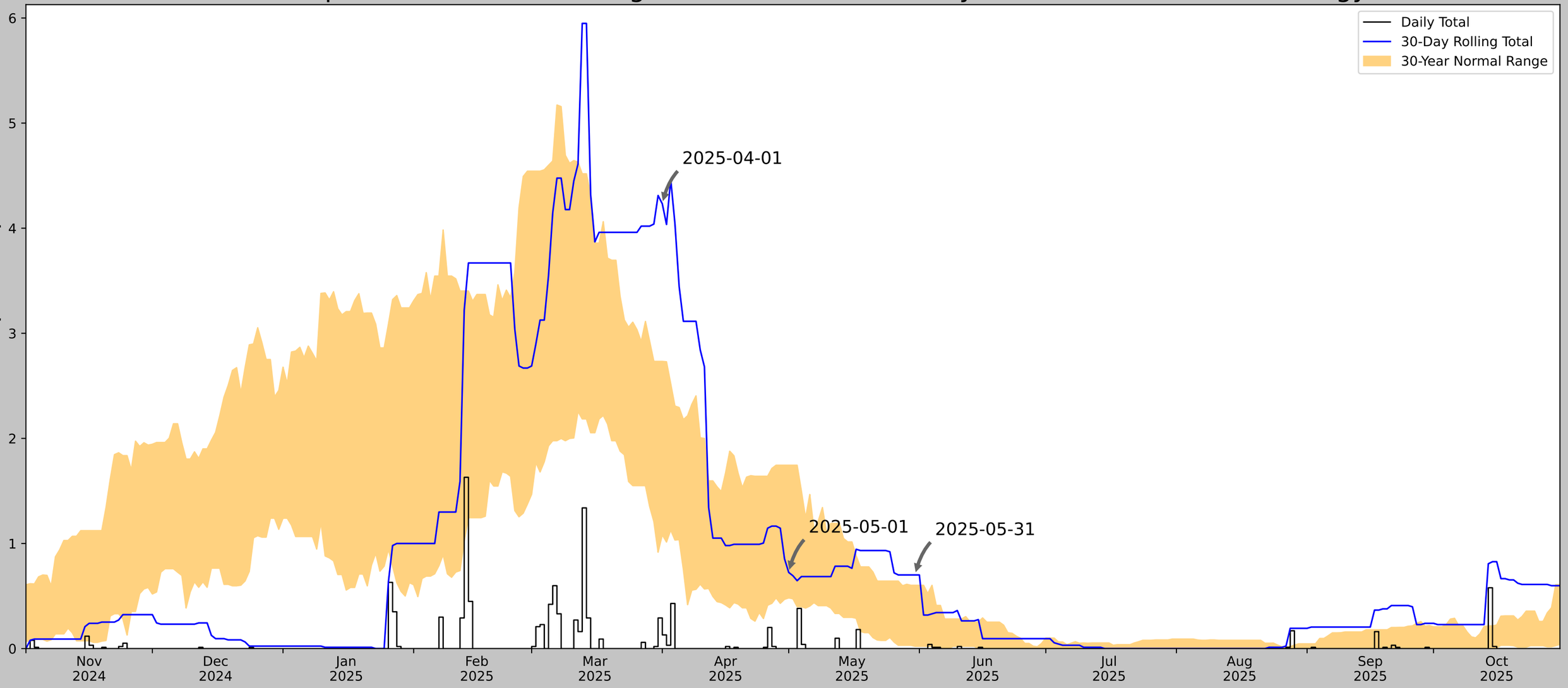
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-05-31
Elevation (ft)	1529.157
Drought Index (PDSI)	Severe drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-31	0.022047	0.602362	0.700787	Wet	3	3	9
2025-05-01	0.482283	1.744882	0.724409	Normal	2	2	4
2025-04-01	1.082283	2.732677	4.232284	Wet	3	1	3
Result							Wetter than Normal - 16

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

US Army Corps of Engineers.
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Developed by:
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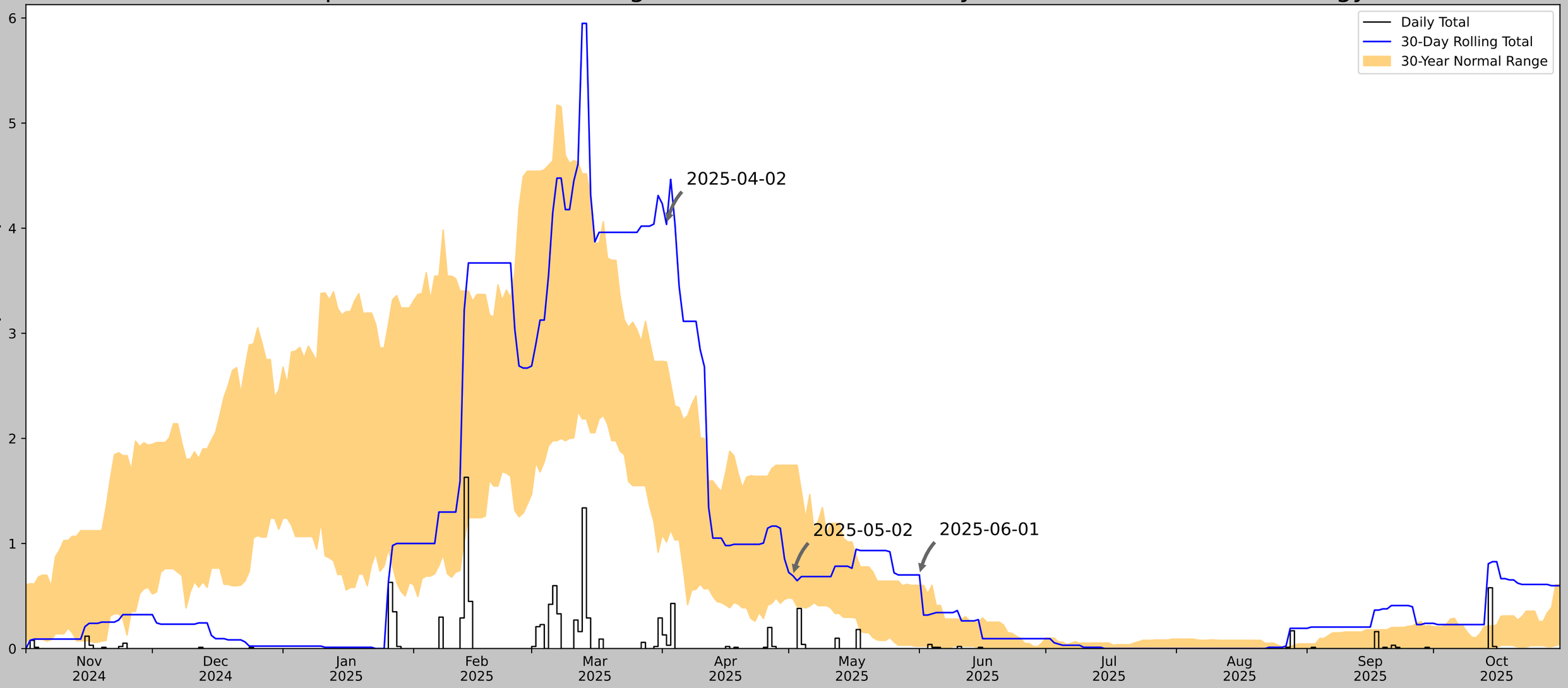
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-01
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-01	0.022047	0.602362	0.700787	Wet	3	3	9
2025-05-02	0.474016	1.744882	0.692913	Normal	2	2	4
2025-04-02	1.013386	2.729134	4.035433	Wet	3	1	3
Result							Wetter than Normal - 16

Figures and tables made by the
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US Army Corps of Engineers.
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Developed by:
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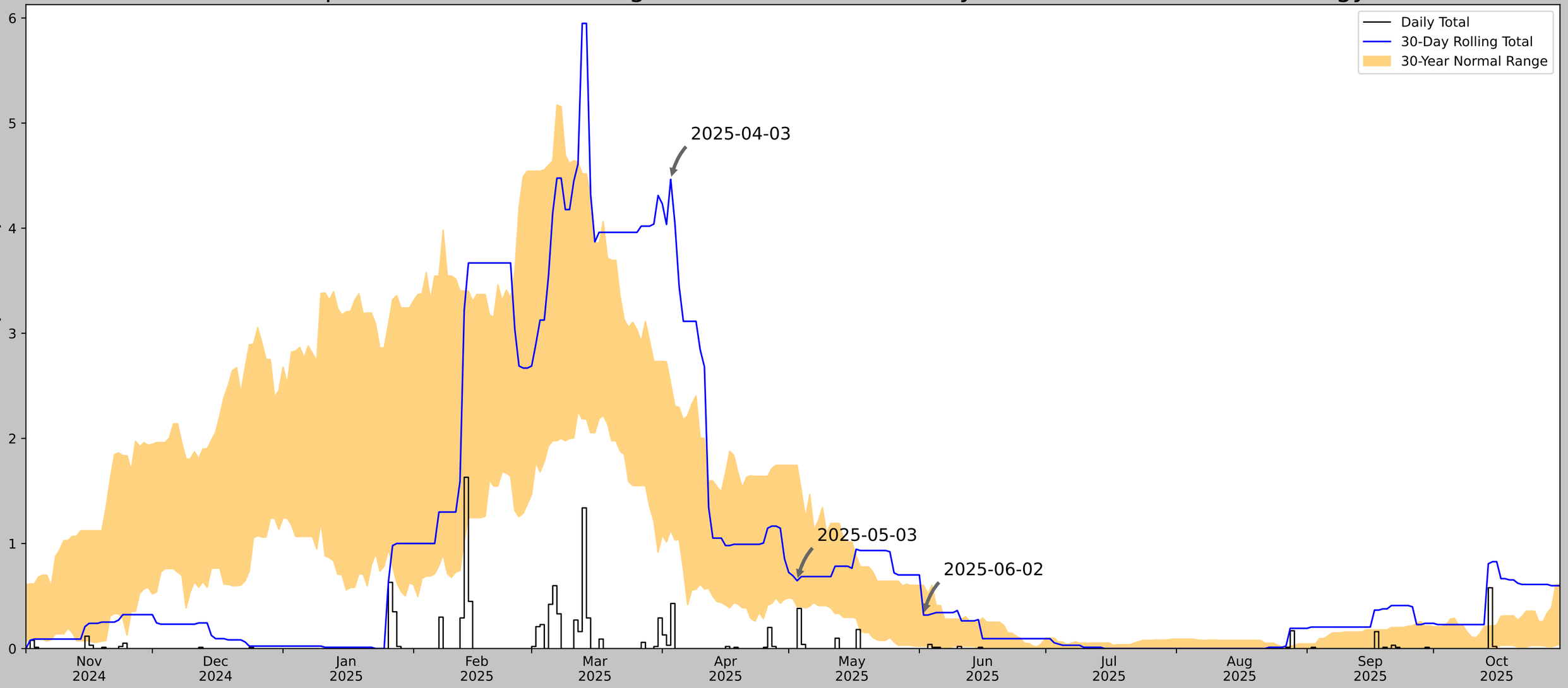
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-02
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-02	0.022047	0.602362	0.318898	Normal	2	3	6
2025-05-03	0.398425	1.744882	0.645669	Normal	2	2	4
2025-04-03	1.127953	2.520866	4.464567	Wet	3	1	3
Result							Normal Conditions - 13

Figures and tables made by the
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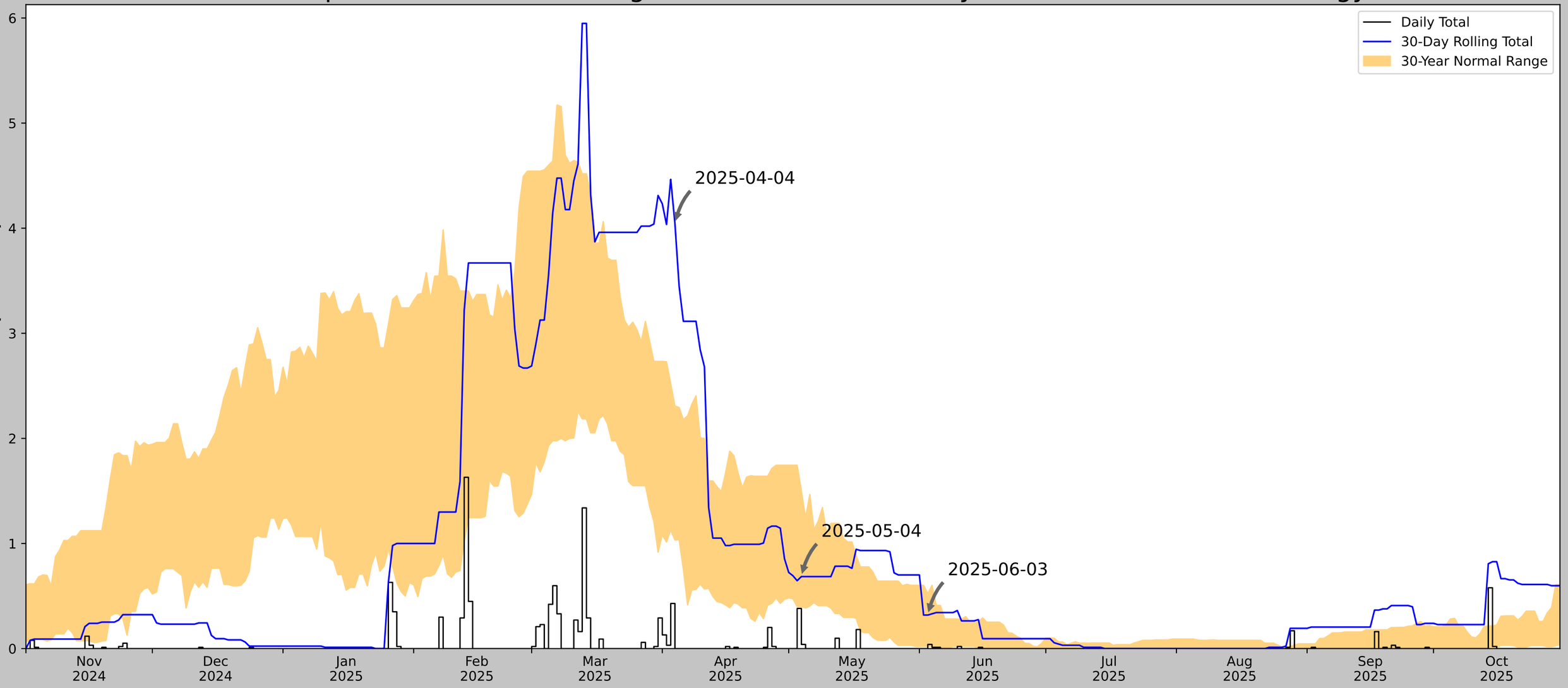
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-03
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-03	0.022047	0.523622	0.318898	Normal	2	3	6
2025-05-04	0.398425	1.501969	0.685039	Normal	2	2	4
2025-04-04	1.032677	2.307874	4.043307	Wet	3	1	3
Result							Normal Conditions - 13

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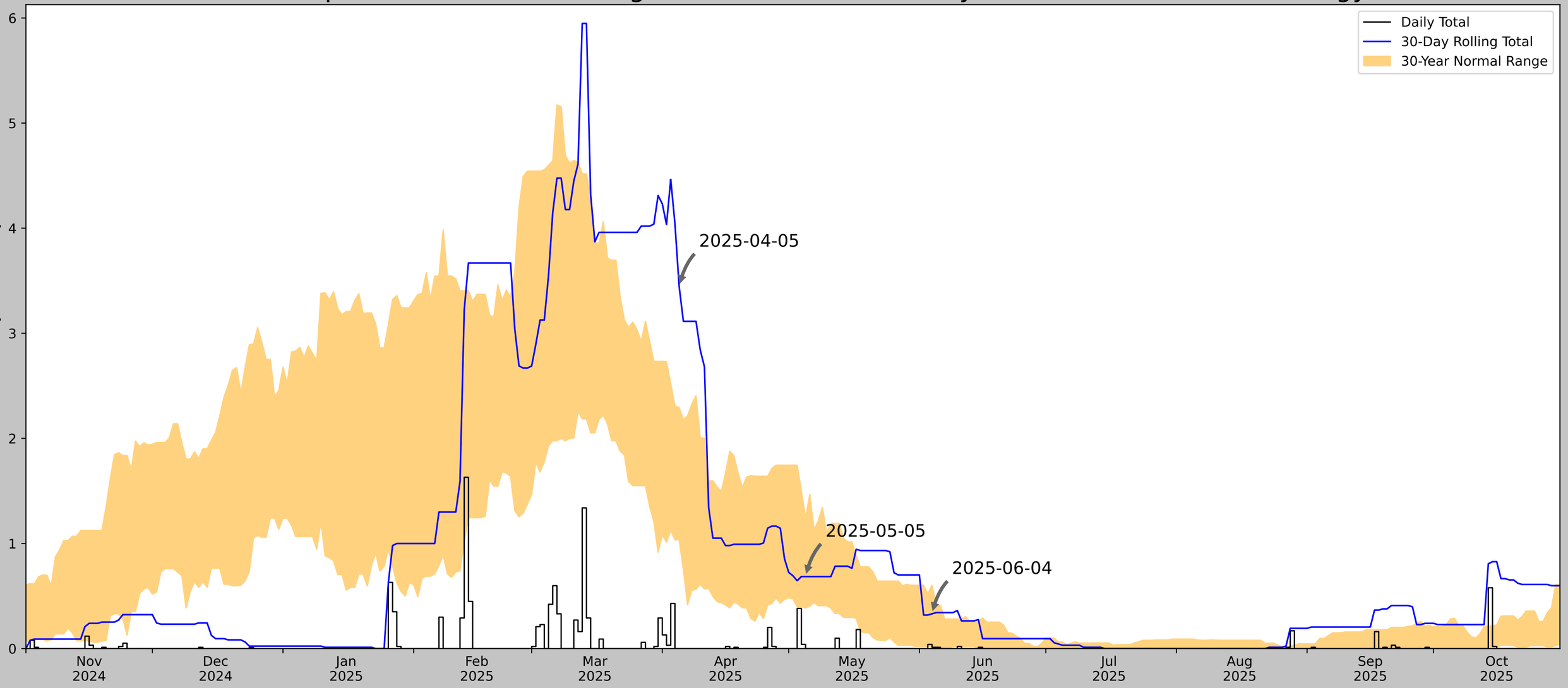
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-04
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-04	0.022047	0.602362	0.330709	Normal	2	3	6
2025-05-05	0.385433	1.243307	0.685039	Normal	2	2	4
2025-04-05	1.036221	2.294095	3.444882	Wet	3	1	3
Result							Normal Conditions - 13

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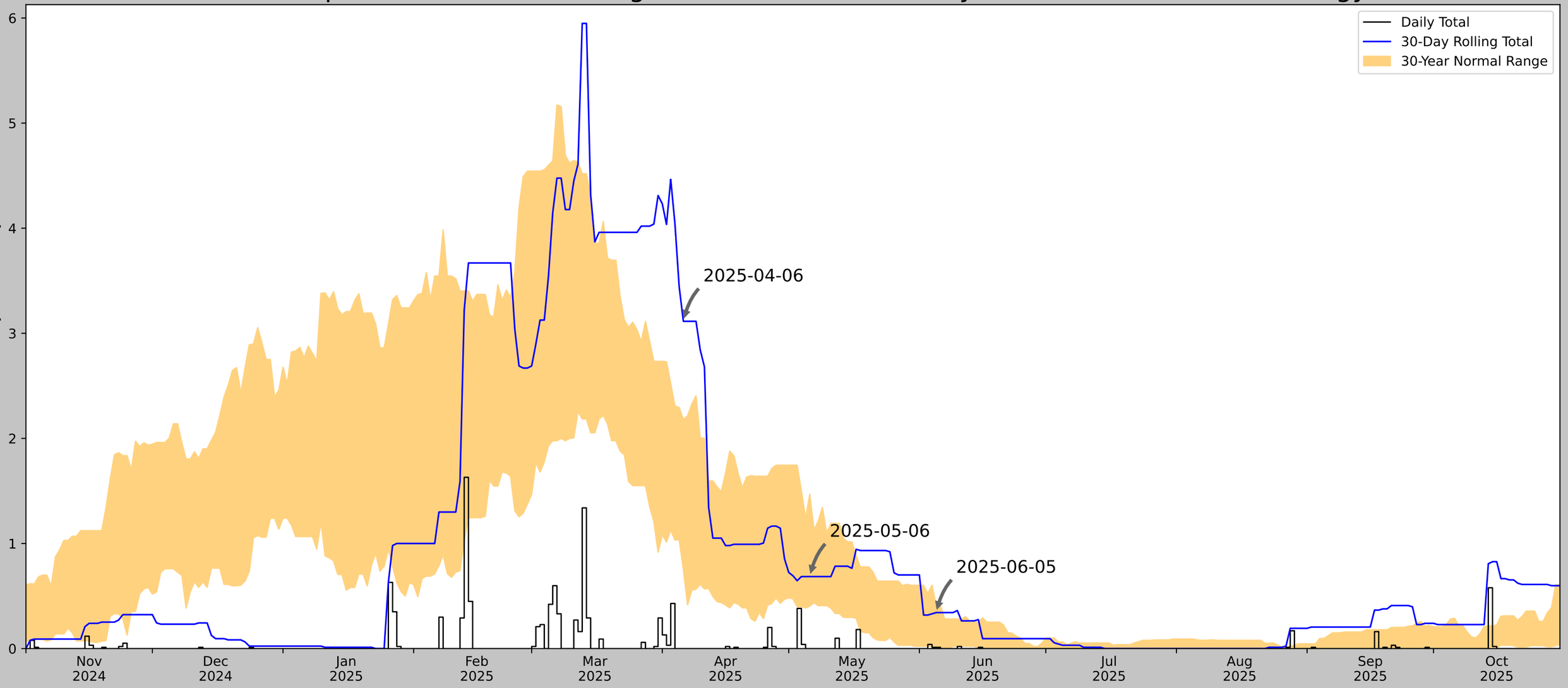
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-05
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-05	0.0	0.41063	0.34252	Normal	2	3	6
2025-05-06	0.404331	1.466535	0.685039	Normal	2	2	4
2025-04-06	0.752756	2.179134	3.114173	Wet	3	1	3
Result							Normal Conditions - 13

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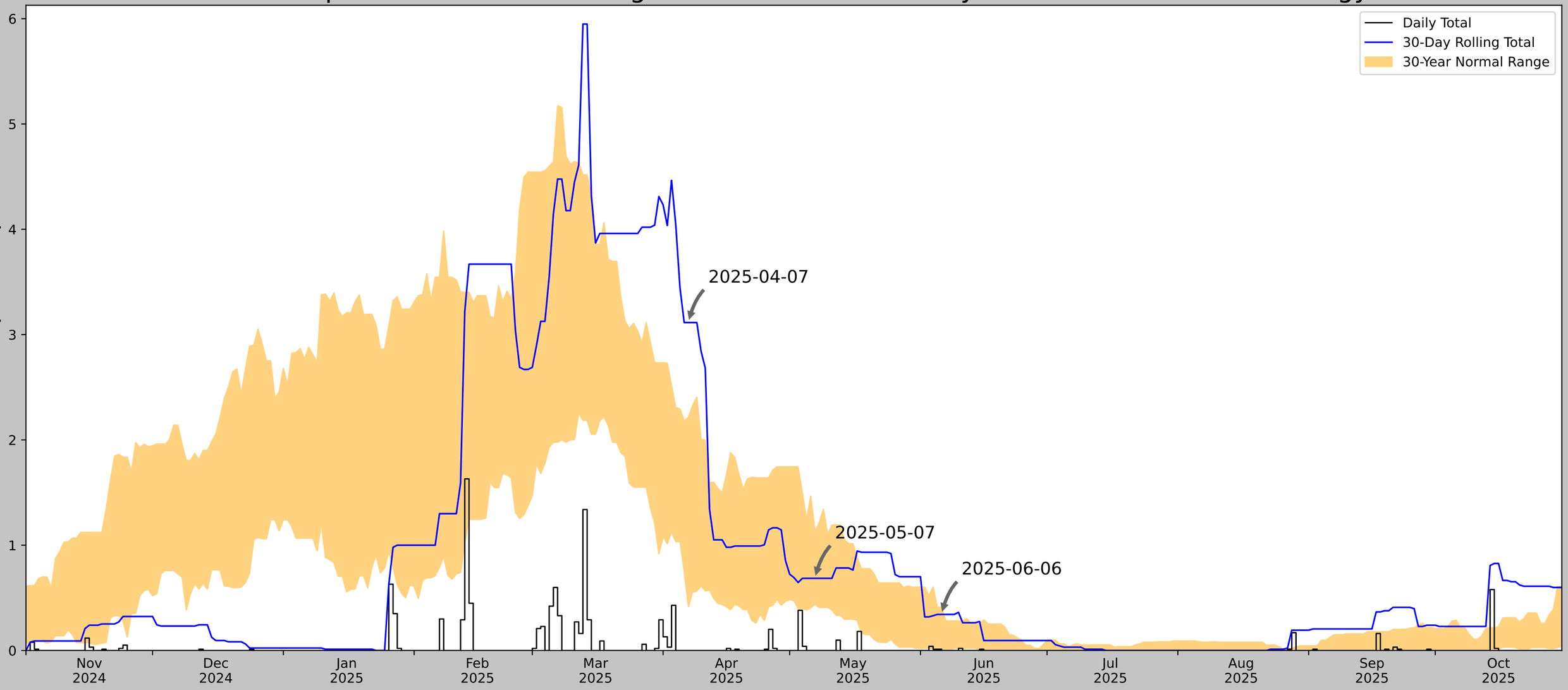
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-06
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-06	0.0	0.41063	0.34252	Normal	2	3	6
2025-05-07	0.437402	1.129921	0.685039	Normal	2	2	4
2025-04-07	0.417323	2.214961	3.114173	Wet	3	1	3
Result							Normal Conditions - 13

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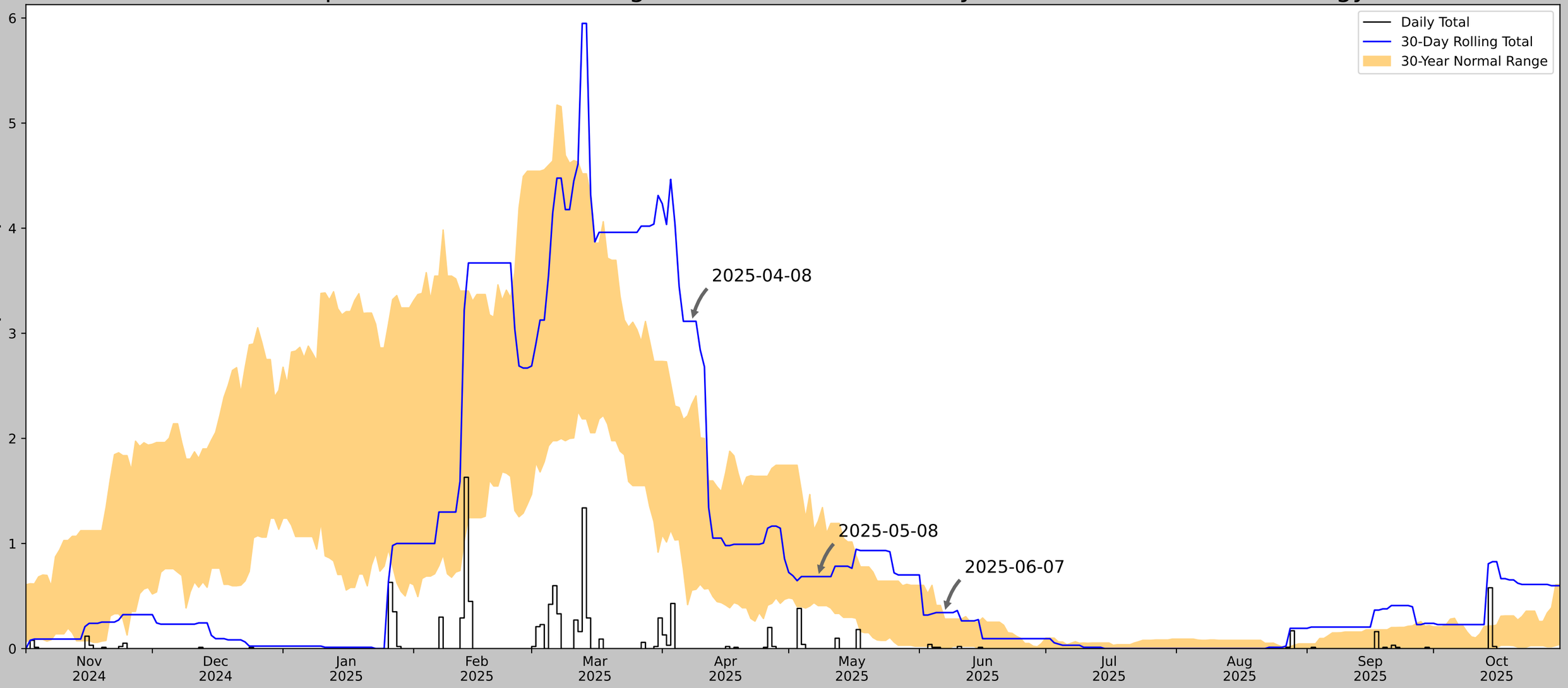
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-07
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-07	0.0	0.281496	0.34252	Wet	3	3	9
2025-05-08	0.408268	1.212992	0.685039	Normal	2	2	4
2025-04-08	0.555512	2.323622	3.114173	Wet	3	1	3
Result							Wetter than Normal - 16

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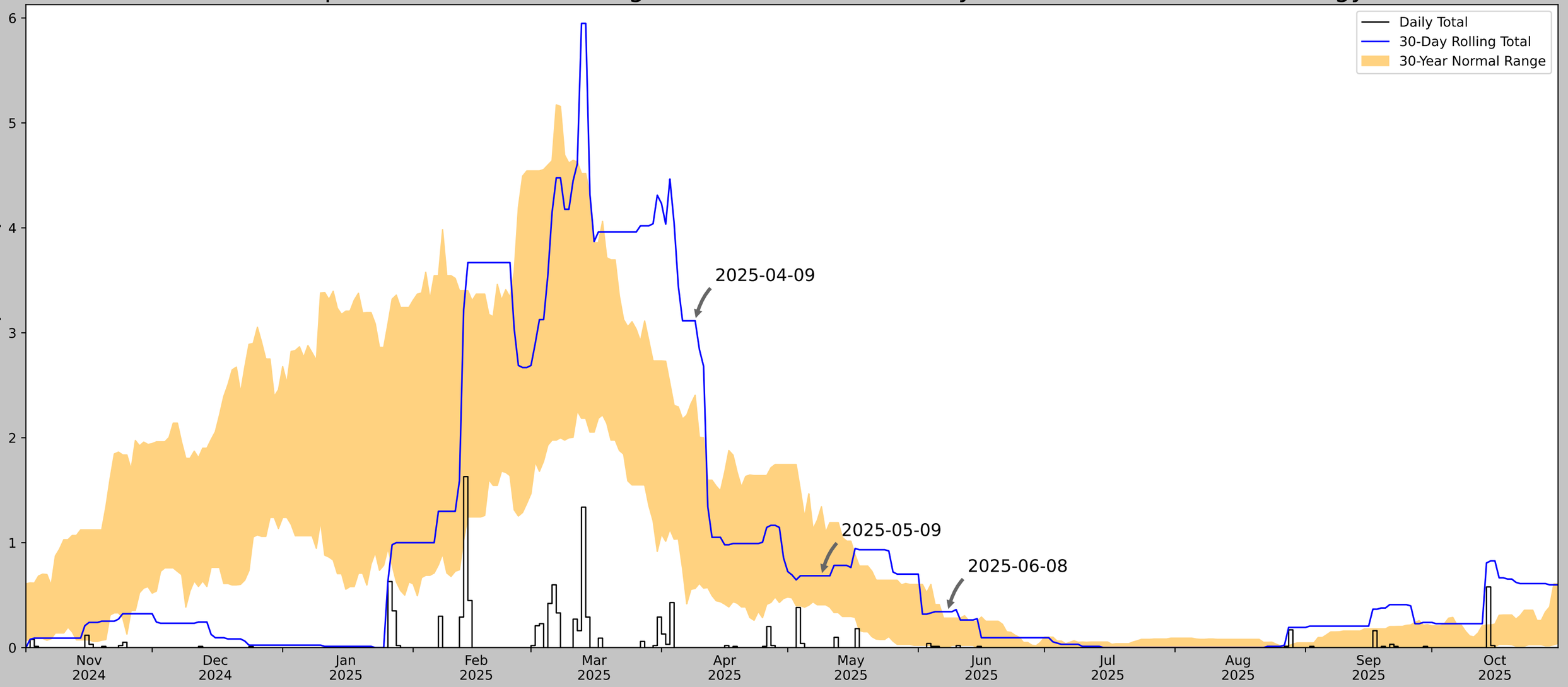
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-08
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-08	0.0	0.281496	0.34252	Wet	3	3	9
2025-05-09	0.408268	1.34252	0.685039	Normal	2	2	4
2025-04-09	0.56378	2.405118	3.114173	Wet	3	1	3
Result							Wetter than Normal - 16

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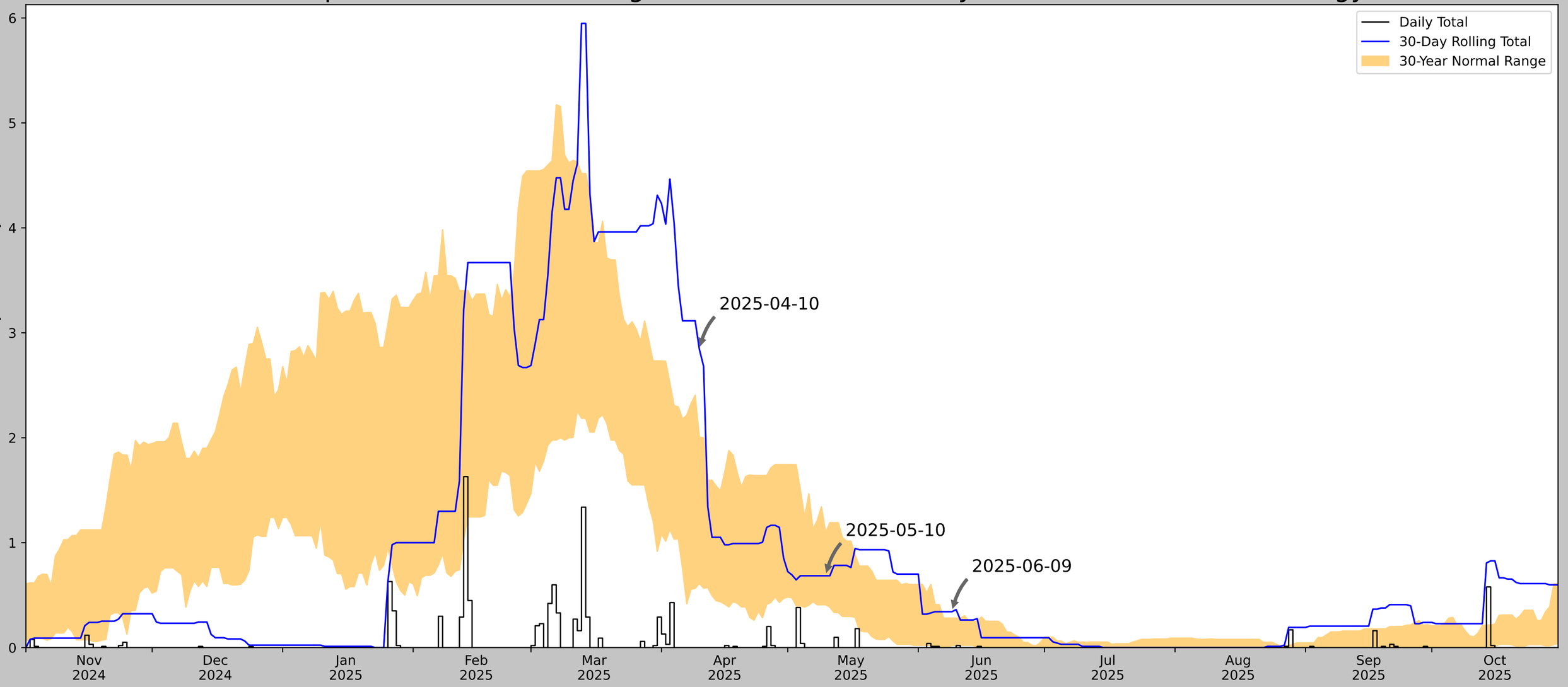
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-09
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-09	0.022047	0.281496	0.34252	Wet	3	3	9
2025-05-10	0.408268	1.097638	0.685039	Normal	2	2	4
2025-04-10	0.612598	2.005512	2.84252	Wet	3	1	3
Result							Wetter than Normal - 16

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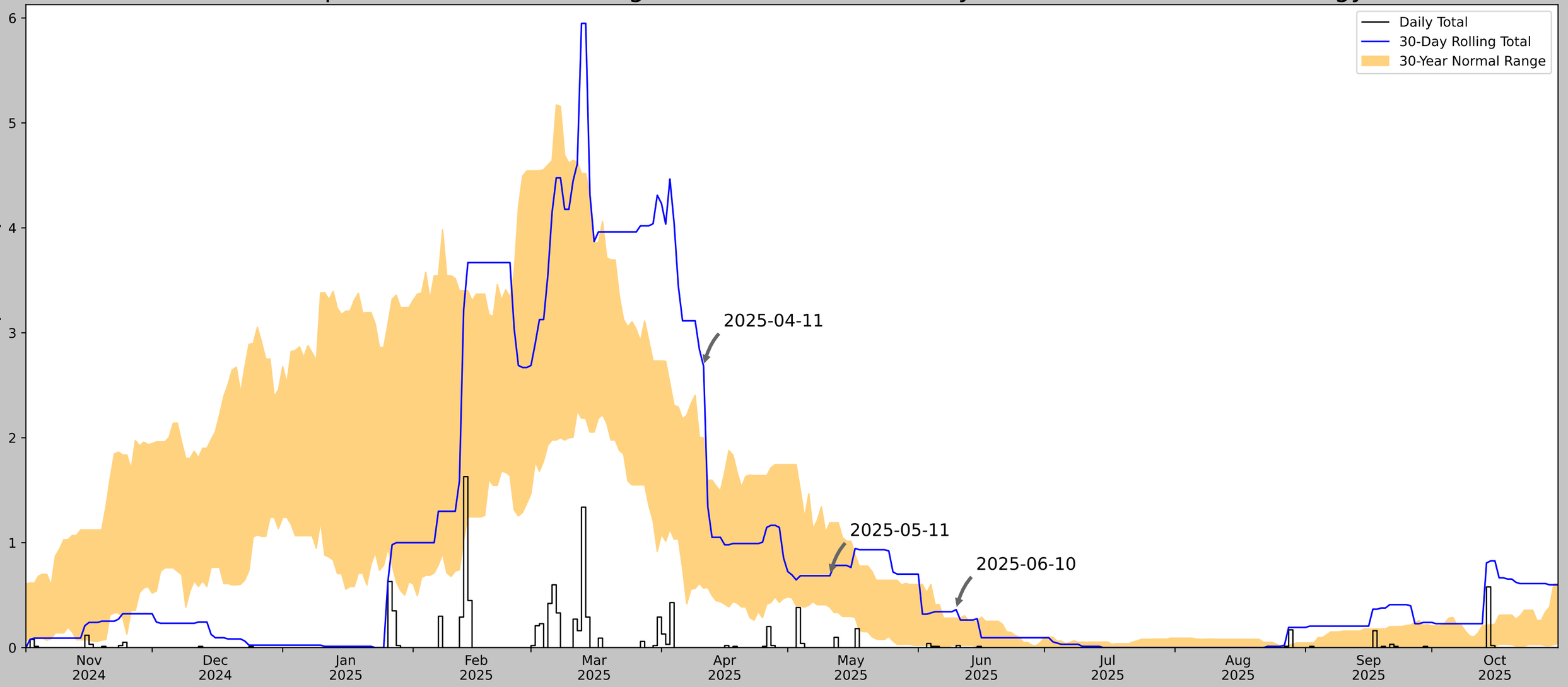
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-10
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-10	0.022047	0.281496	0.362205	Wet	3	3	9
2025-05-11	0.385433	1.191339	0.685039	Normal	2	2	4
2025-04-11	0.566929	1.999606	2.681102	Wet	3	1	3
Result							Wetter than Normal - 16

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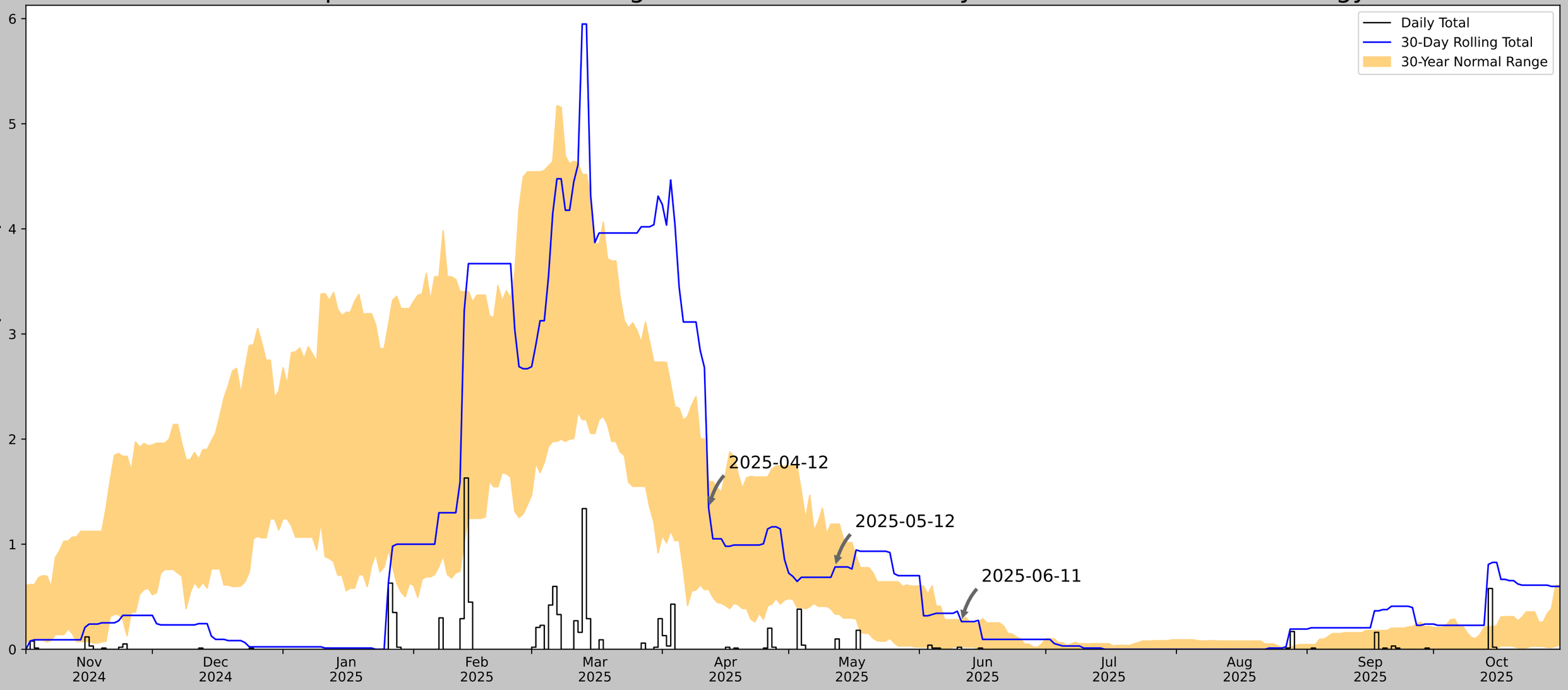
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-11
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-11	0.022047	0.281496	0.26378	Normal	2	3	6
2025-05-12	0.333858	1.191339	0.783465	Normal	2	2	4
2025-04-12	0.571654	1.595669	1.34252	Normal	2	1	2
Result							Normal Conditions - 12

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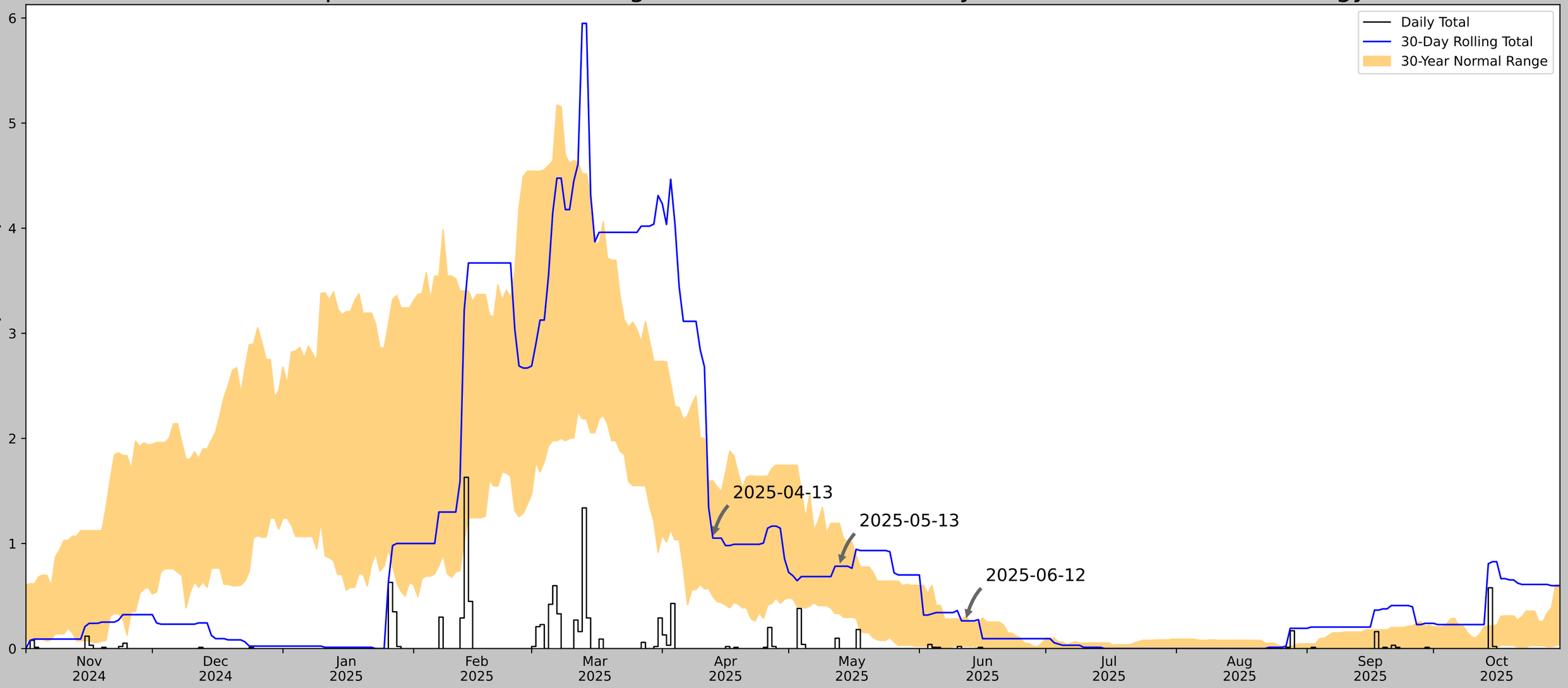
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-12
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-12	0.022047	0.304331	0.26378	Normal	2	3	6
2025-05-13	0.333858	1.191339	0.783465	Normal	2	2	4
2025-04-13	0.496063	1.595669	1.051181	Normal	2	1	2
Result							Normal Conditions - 12

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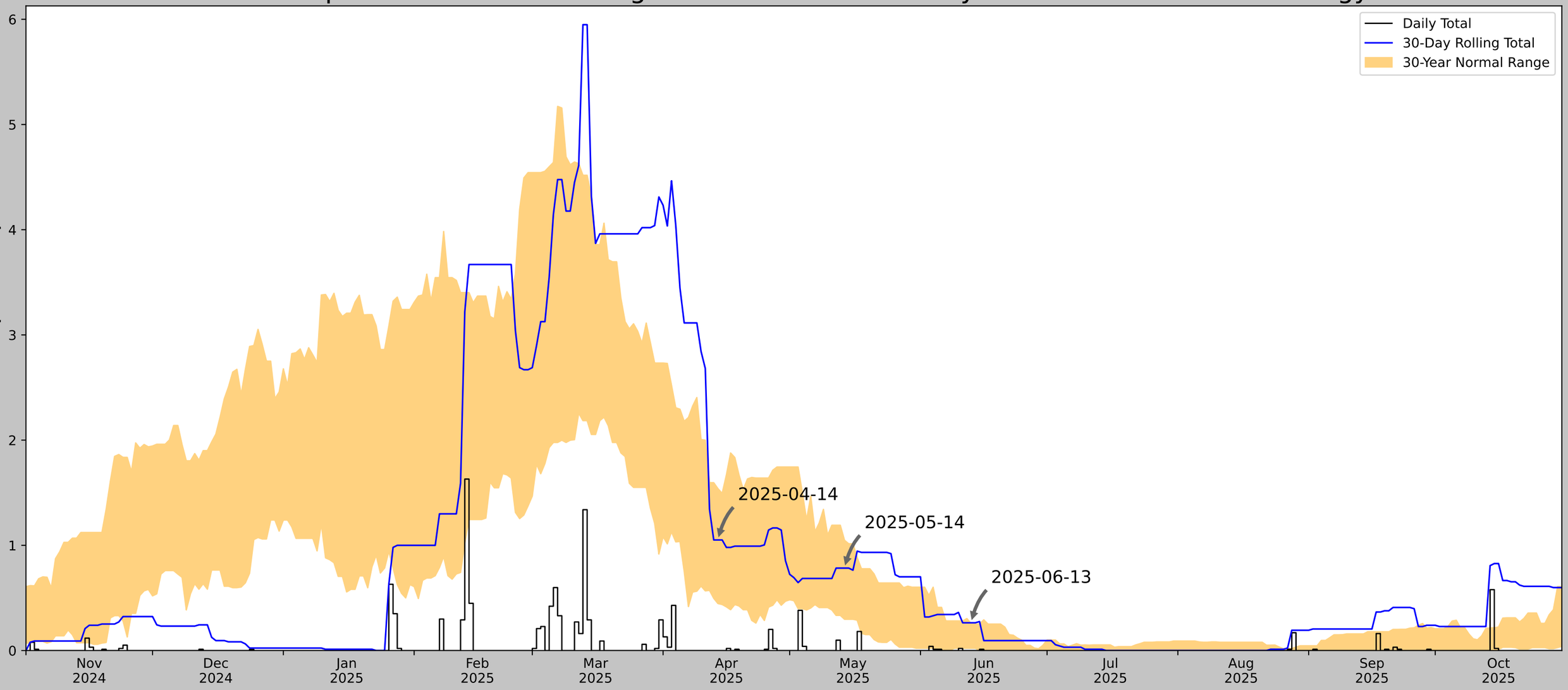
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-06-13
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-13	0.022047	0.256299	0.26378	Wet	3	3	9
2025-05-14	0.29685	1.048032	0.783465	Normal	2	2	4
2025-04-14	0.446457	1.538976	1.051181	Normal	2	1	2
Result							Wetter than Normal - 15

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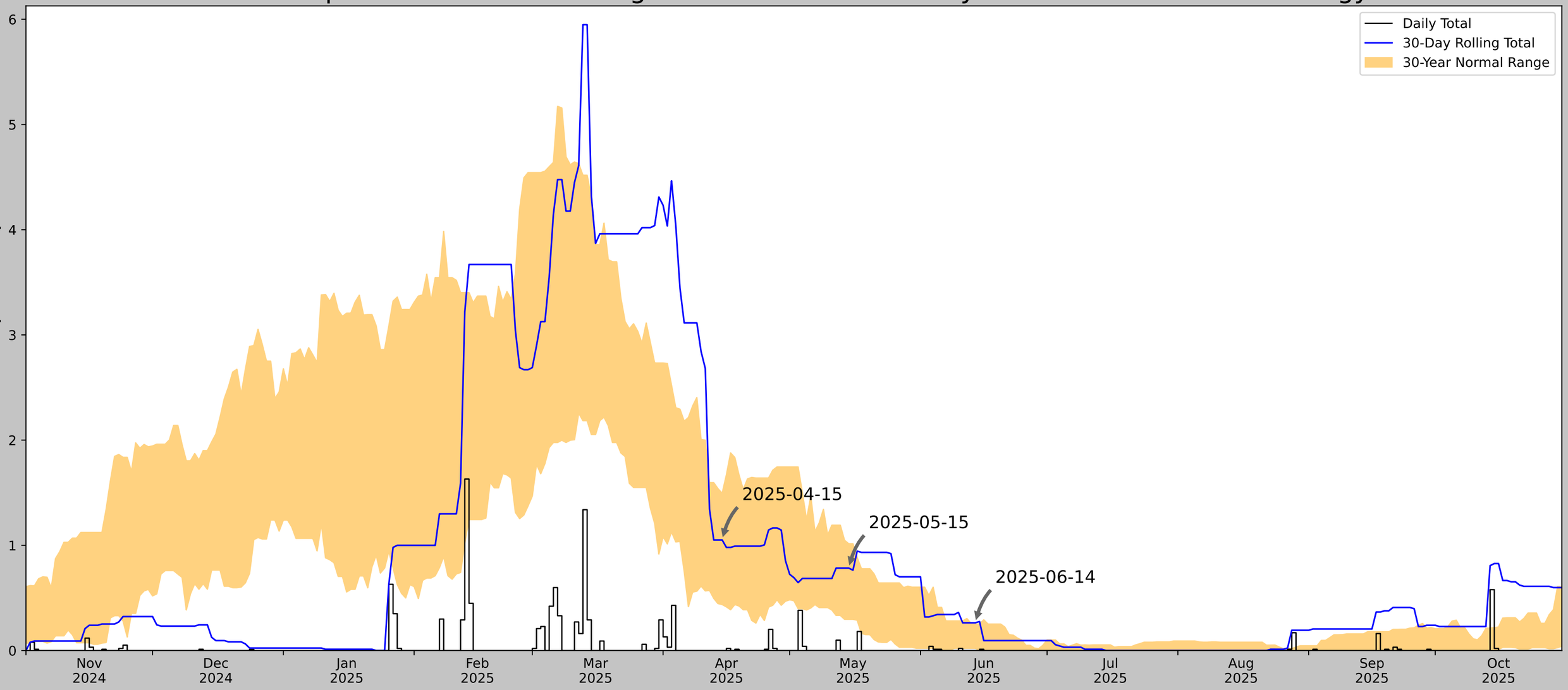
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-06-14
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-14	0.022047	0.251575	0.26378	Wet	3	3	9
2025-05-15	0.29685	1.014961	0.783465	Normal	2	2	4
2025-04-15	0.437402	1.494095	1.051181	Normal	2	1	2
Result							Wetter than Normal - 15

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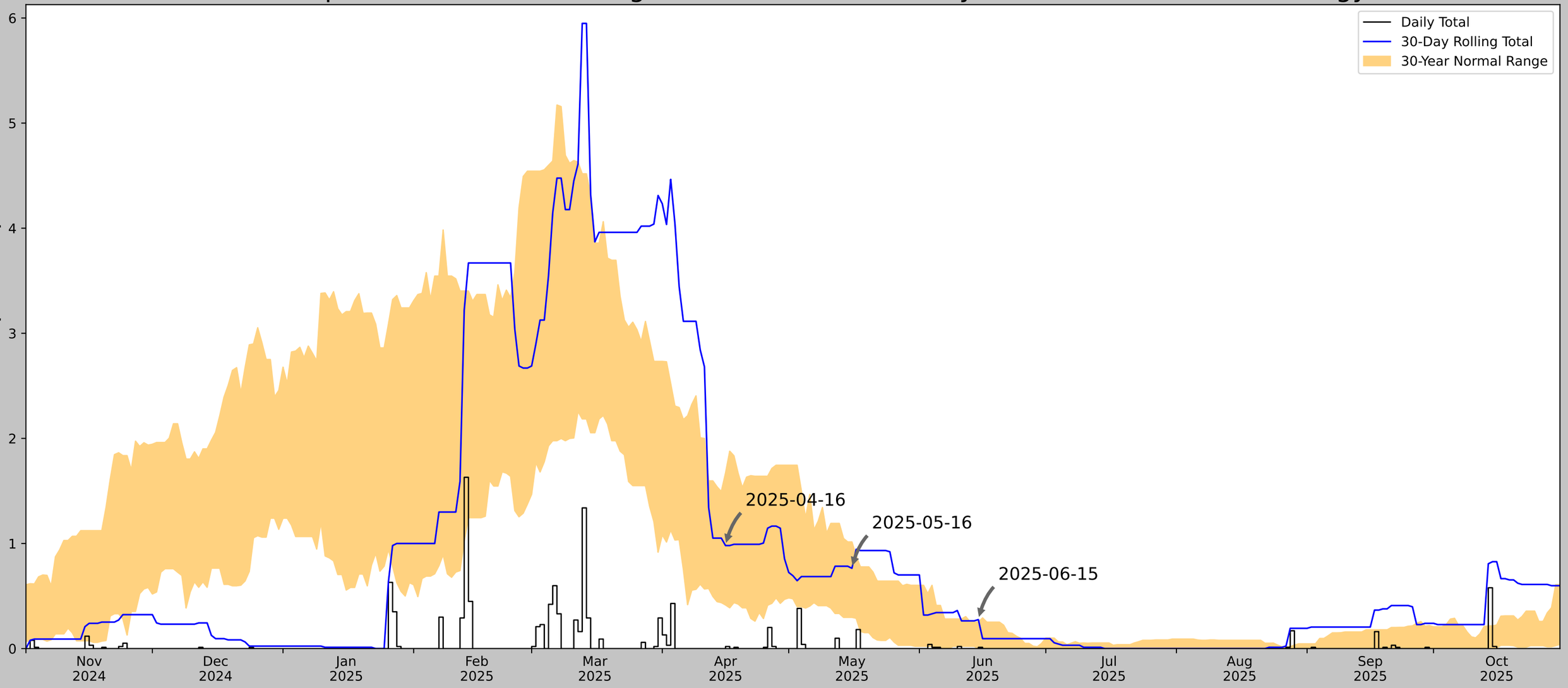
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-15
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-15	0.0	0.251575	0.275591	Wet	3	3	9
2025-05-16	0.29685	1.014961	0.76378	Normal	2	2	4
2025-04-16	0.414961	1.669291	0.980315	Normal	2	1	2
Result							Wetter than Normal - 15

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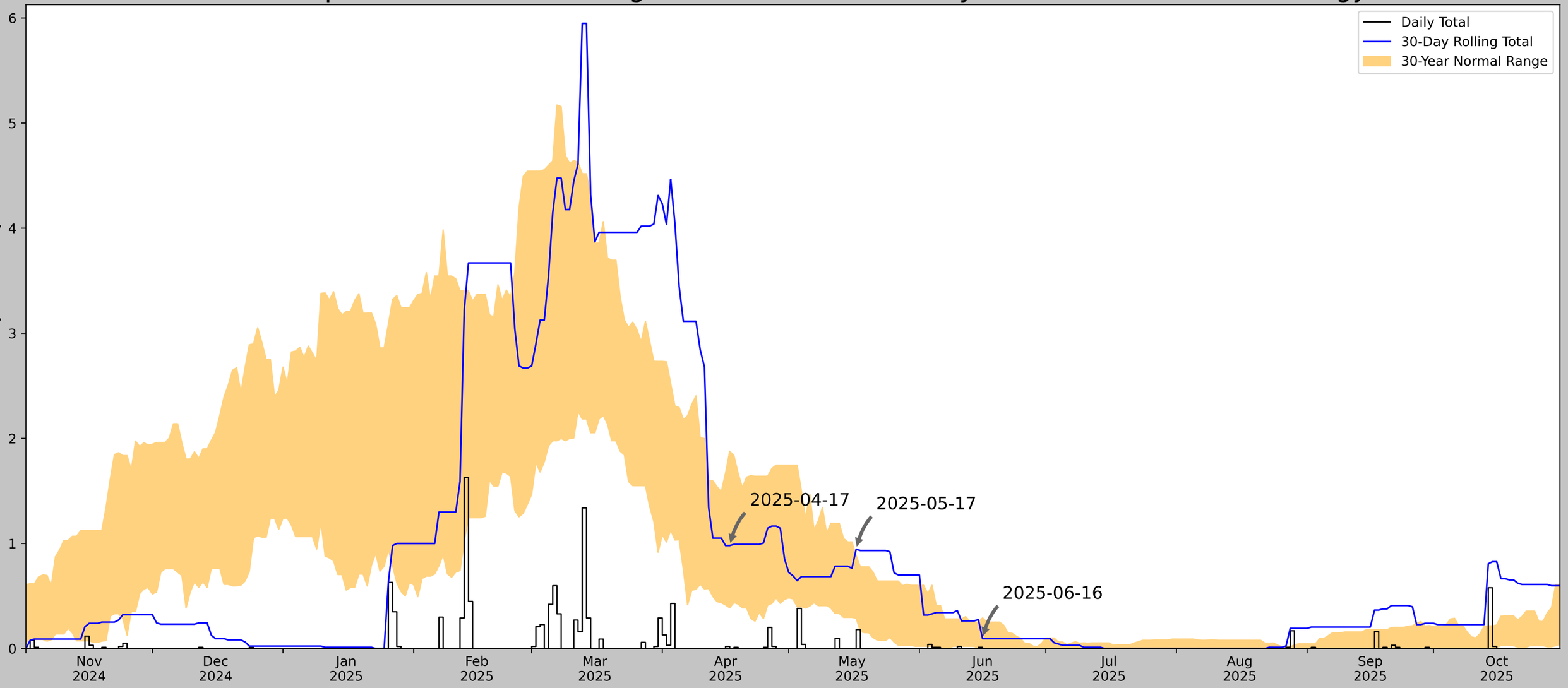
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-16
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-16	0.0	0.292126	0.094488	Normal	2	3	6
2025-05-17	0.288583	0.883858	0.944882	Wet	3	2	6
2025-04-17	0.387795	1.878347	0.980315	Normal	2	1	2
Result							Normal Conditions - 14

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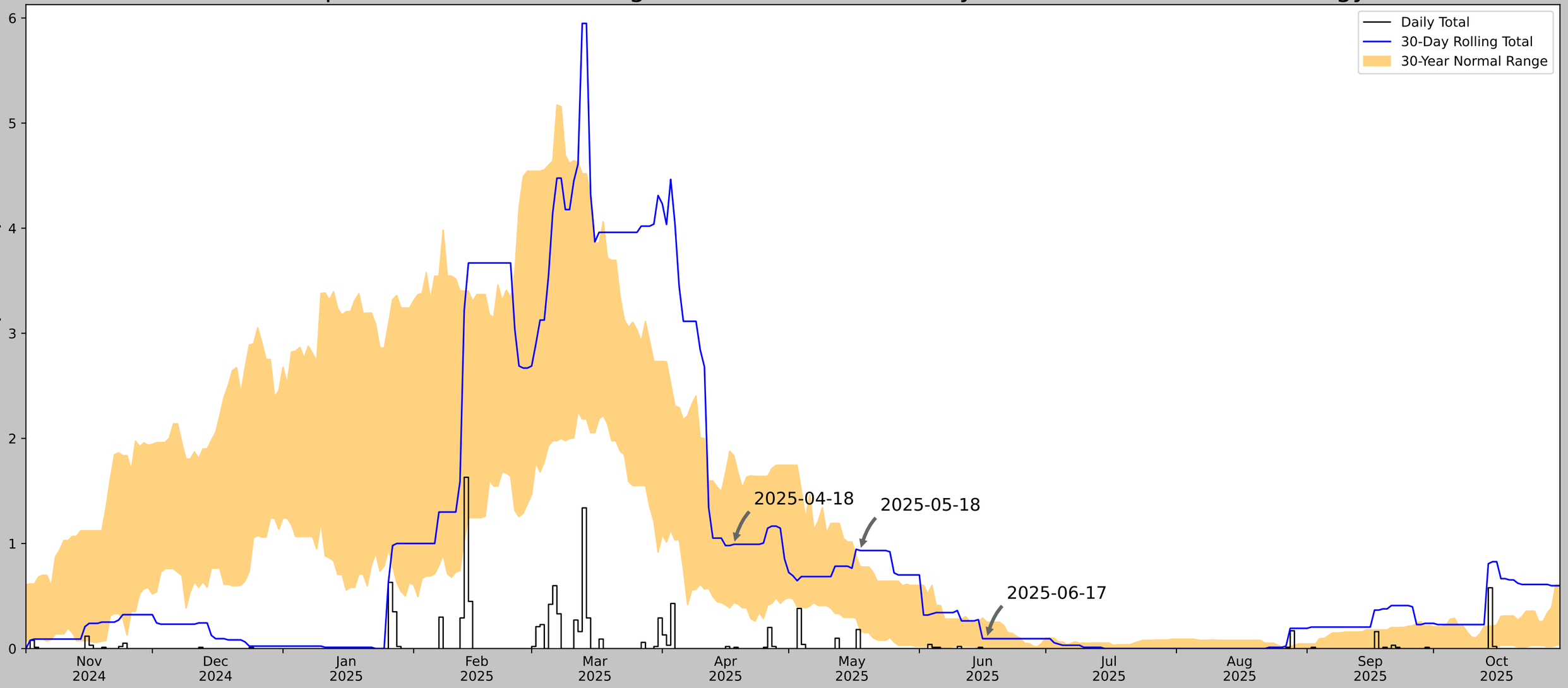
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-17
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-17	0.0	0.251575	0.094488	Normal	2	3	6
2025-05-18	0.163386	0.777559	0.933071	Wet	3	2	6
2025-04-18	0.437402	1.834646	0.992126	Normal	2	1	2
Result							Normal Conditions - 14

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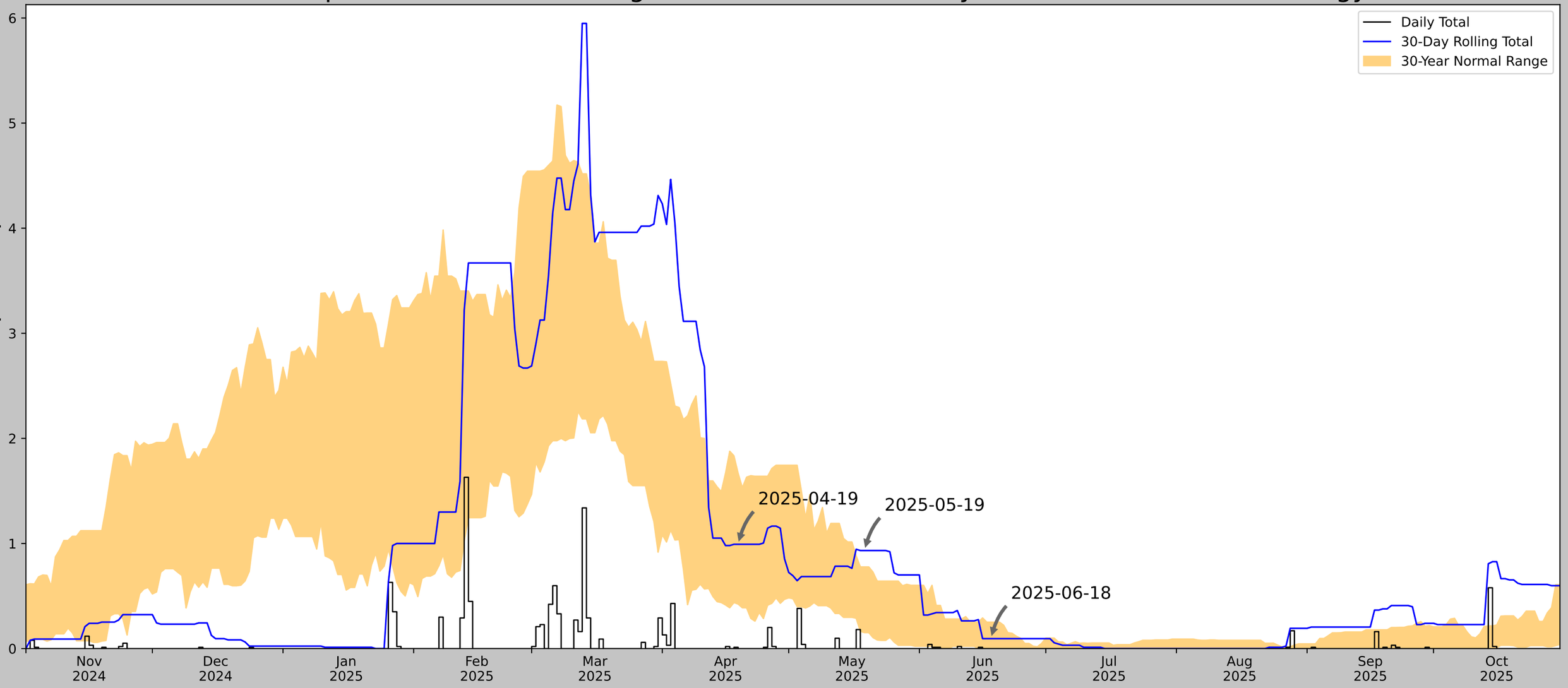
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-18
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-18	0.0	0.251575	0.094488	Normal	2	3	6
2025-05-19	0.151575	0.777559	0.933071	Wet	3	2	6
2025-04-19	0.423228	1.66811	0.992126	Normal	2	1	2
Result							Normal Conditions - 14

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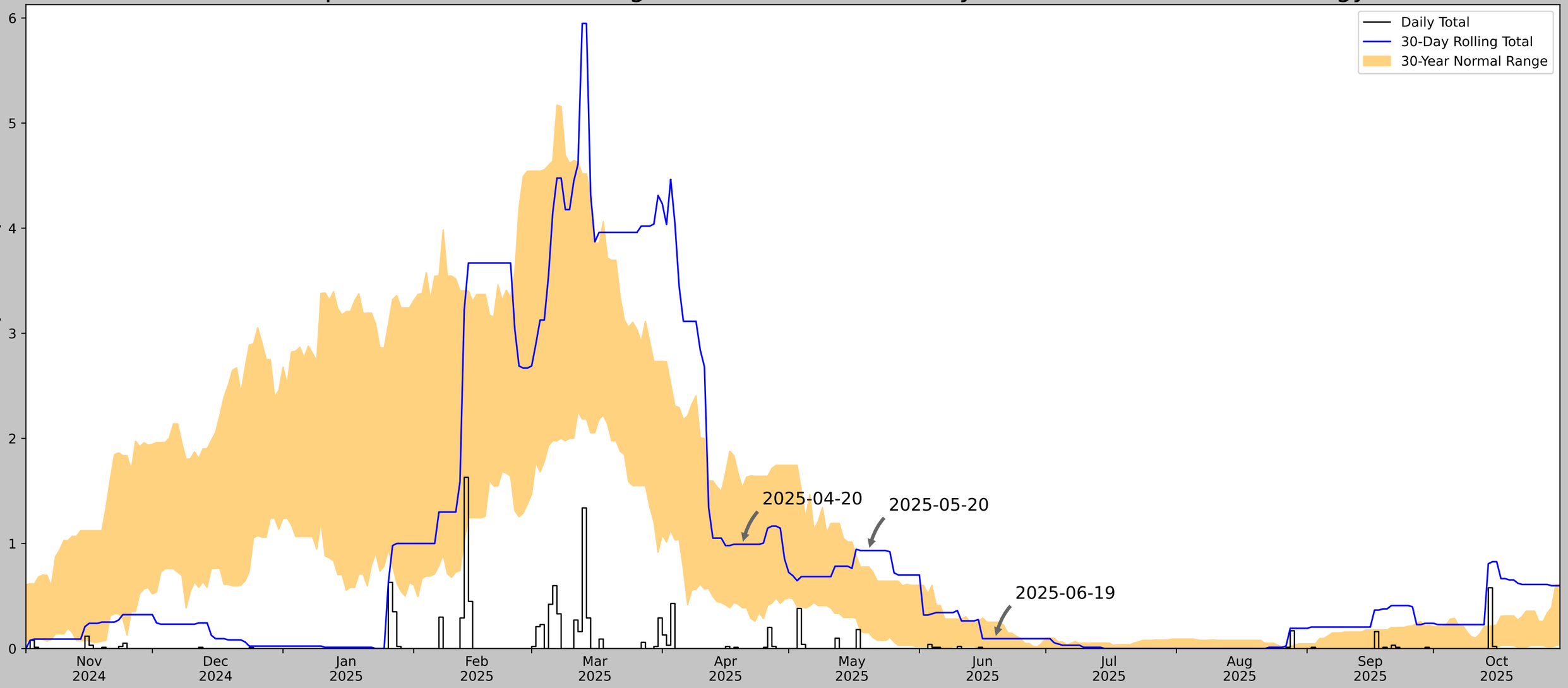
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-19
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-19	0.0	0.251575	0.094488	Normal	2	3	6
2025-05-20	0.151575	0.777559	0.933071	Wet	3	2	6
2025-04-20	0.387795	1.531102	0.992126	Normal	2	1	2
Result							Normal Conditions - 14

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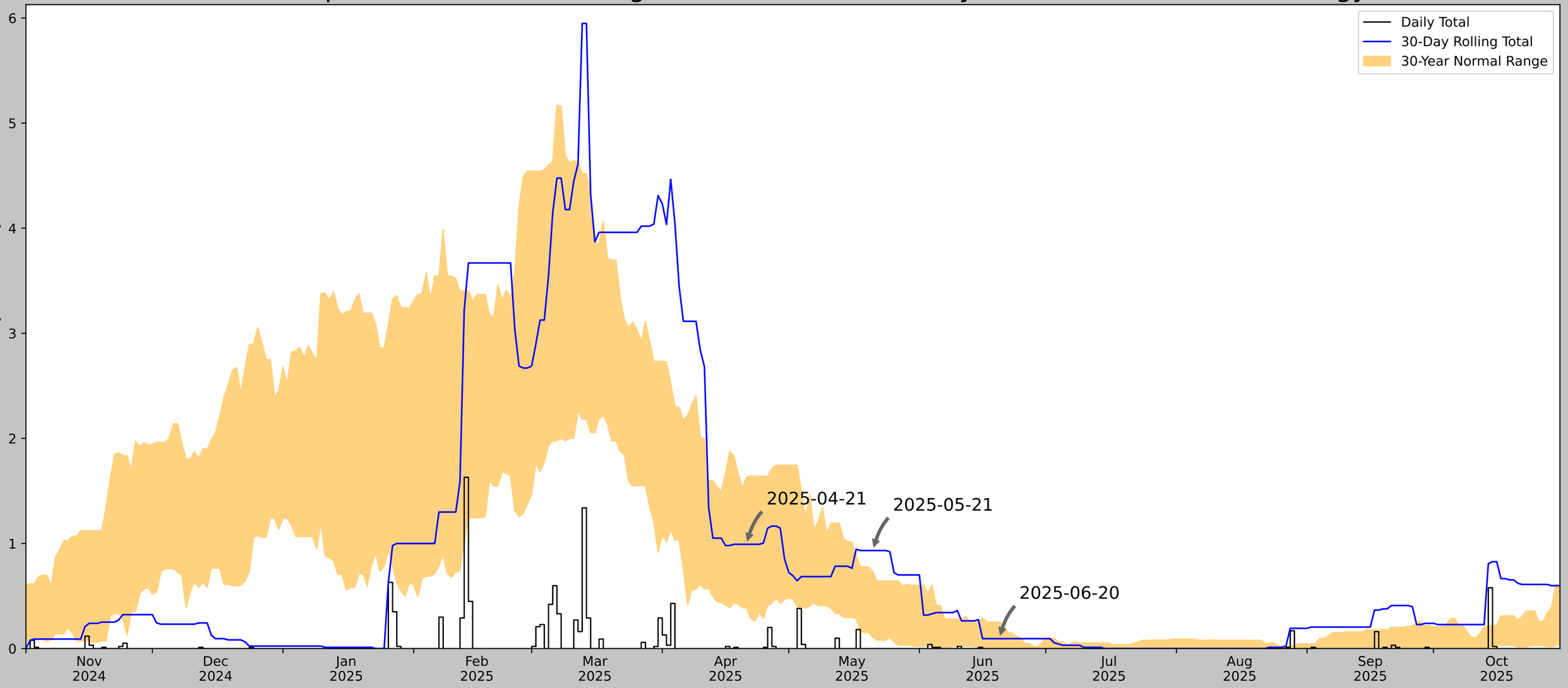
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-20
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-20	0.0	0.251575	0.094488	Normal	2	3	6
2025-05-21	0.104331	0.727953	0.933071	Wet	3	2	6
2025-04-21	0.387795	1.631496	0.992126	Normal	2	1	2
Result							Normal Conditions - 14

Figures and tables made by the
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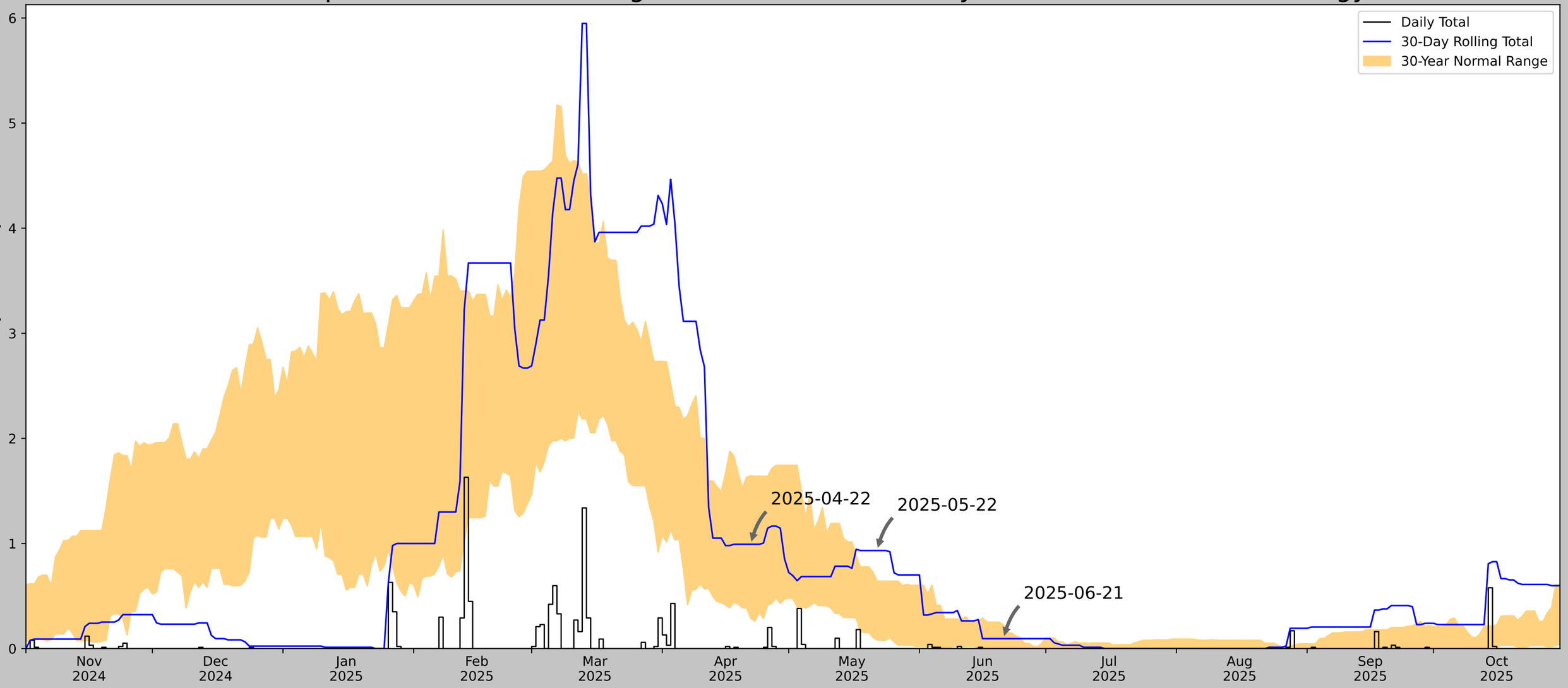
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-21
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-21	0.0	0.222835	0.094488	Normal	2	3	6
2025-05-22	0.081496	0.642126	0.933071	Wet	3	2	6
2025-04-22	0.286614	1.645276	0.992126	Normal	2	1	2
Result							Normal Conditions - 14

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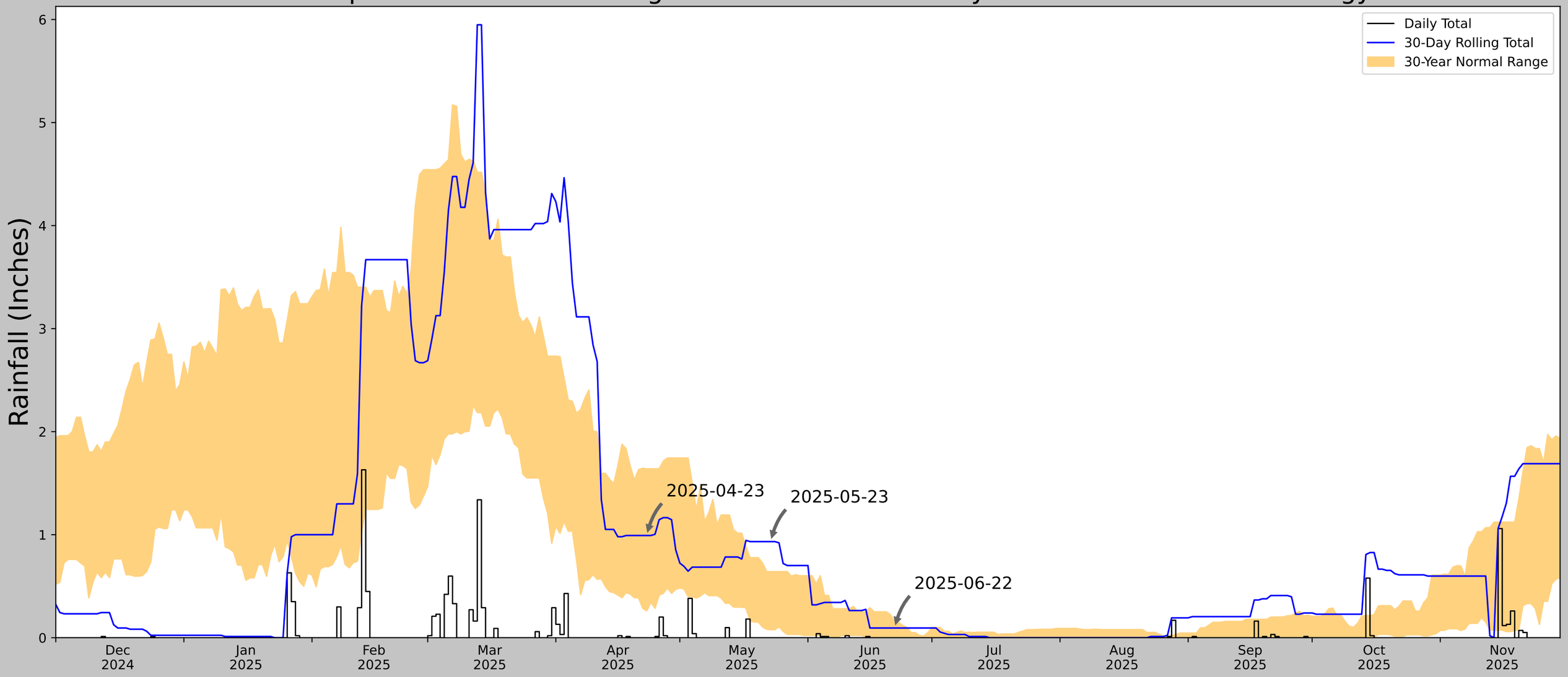
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-06-22
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-22	0.0	0.151181	0.094488	Normal	2	3	6
2025-05-23	0.077559	0.642126	0.933071	Wet	3	2	6
2025-04-23	0.26063	1.639764	0.992126	Normal	2	1	2
Result							Normal Conditions - 14

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

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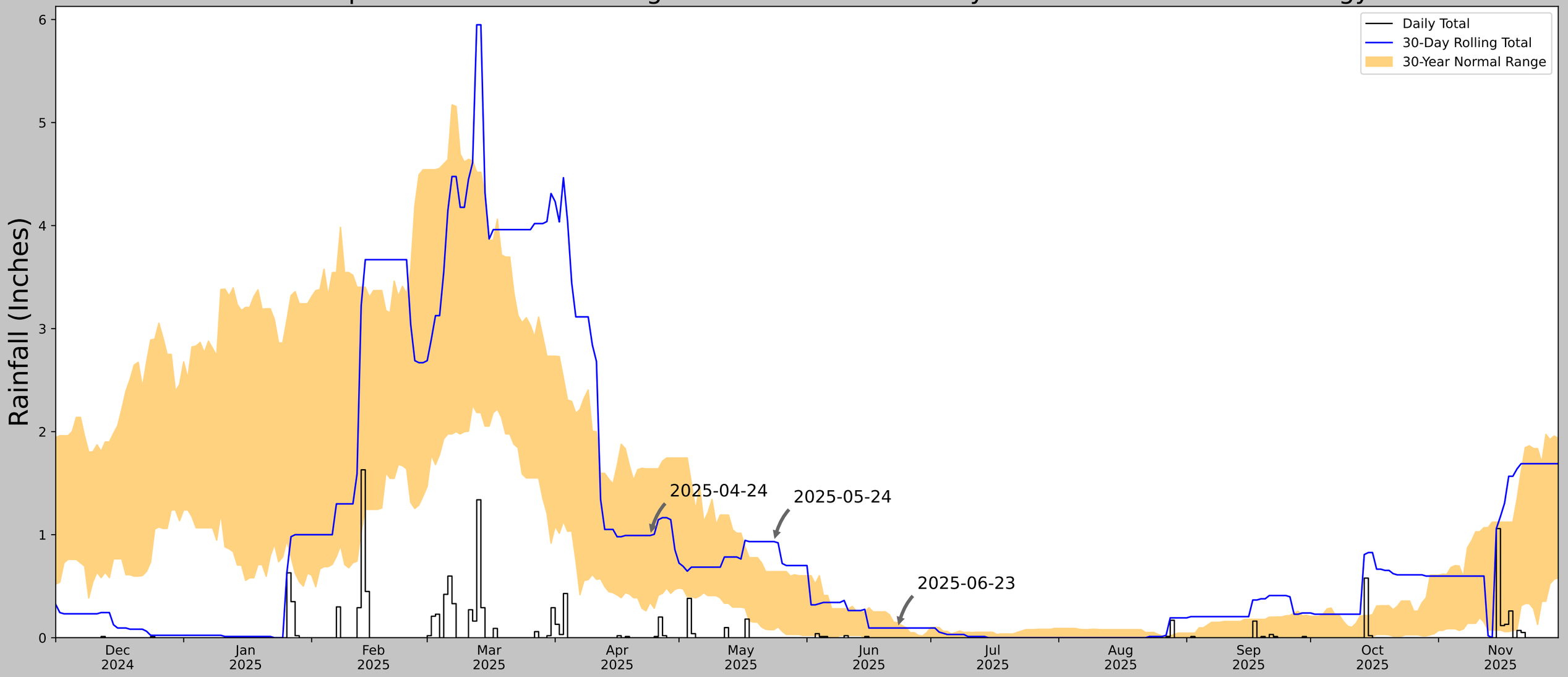
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-06-23
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-23	0.0	0.145669	0.094488	Normal	2	3	6
2025-05-24	0.077559	0.642126	0.933071	Wet	3	2	6
2025-04-24	0.343701	1.639764	0.992126	Normal	2	1	2
Result							Normal Conditions - 14

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

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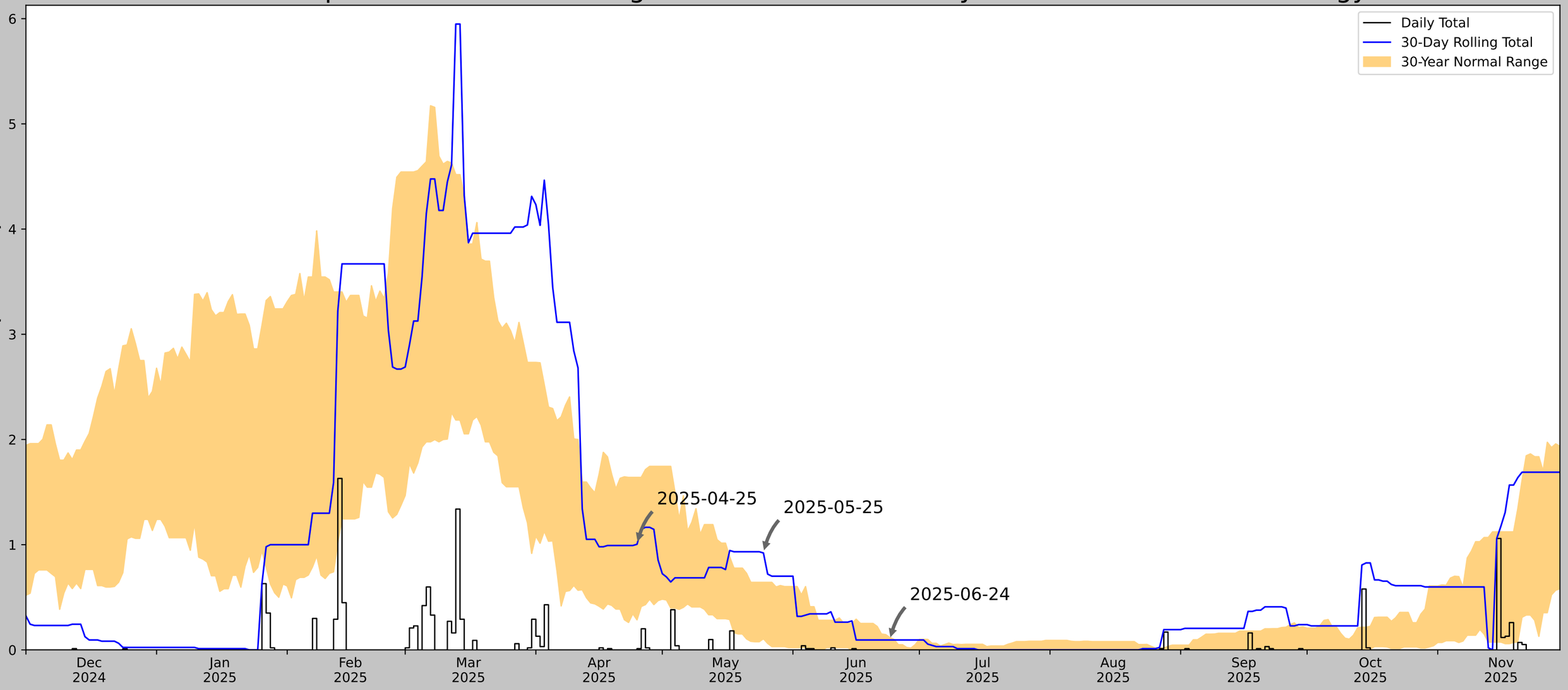
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-06-24
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-24	0.0	0.11811	0.094488	Normal	2	3	6
2025-05-25	0.106299	0.642126	0.92126	Wet	3	2	6
2025-04-25	0.285433	1.639764	1.003937	Normal	2	1	2
Result							Normal Conditions - 14

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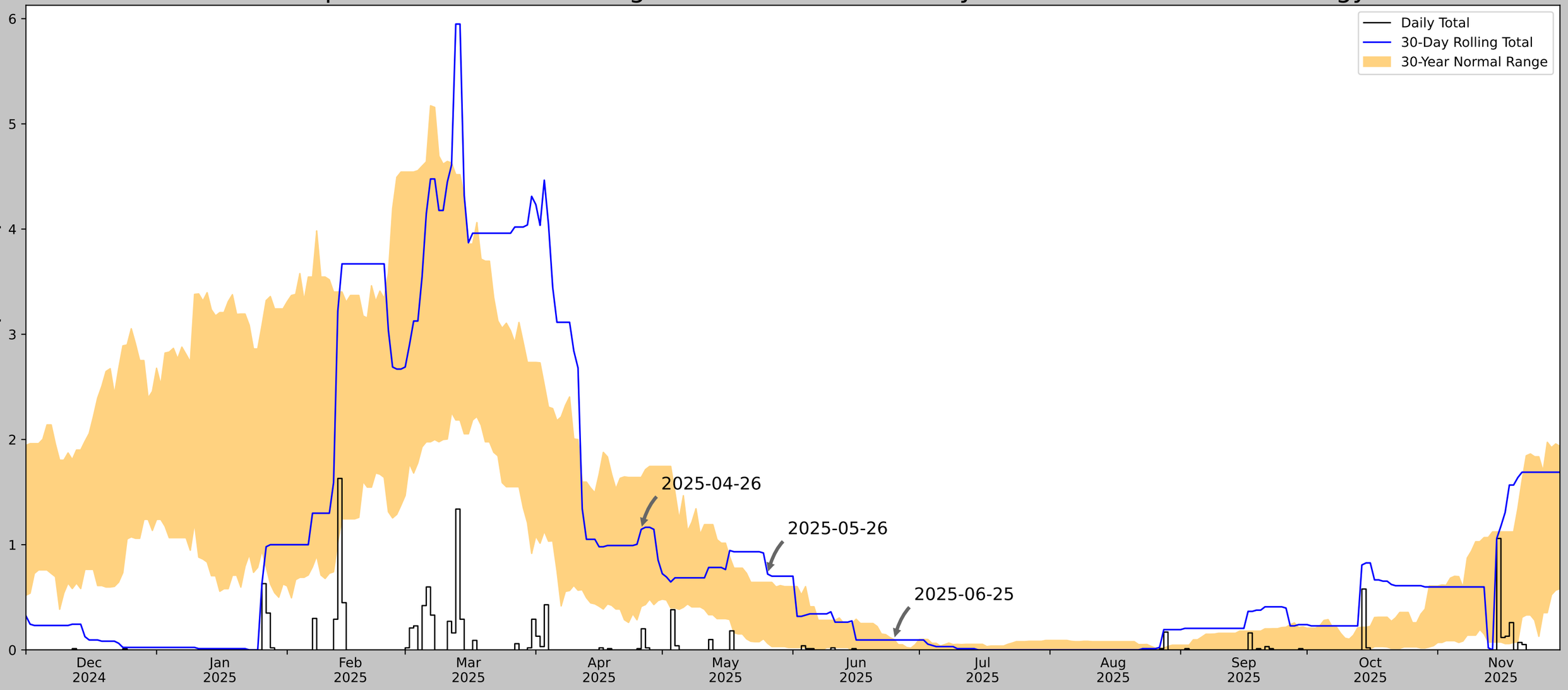
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-25
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-25	0.0	0.098819	0.094488	Normal	2	3	6
2025-05-26	0.061811	0.642126	0.720472	Wet	3	2	6
2025-04-26	0.412598	1.639764	1.145669	Normal	2	1	2
Result							Normal Conditions - 14

Figures and tables made by the
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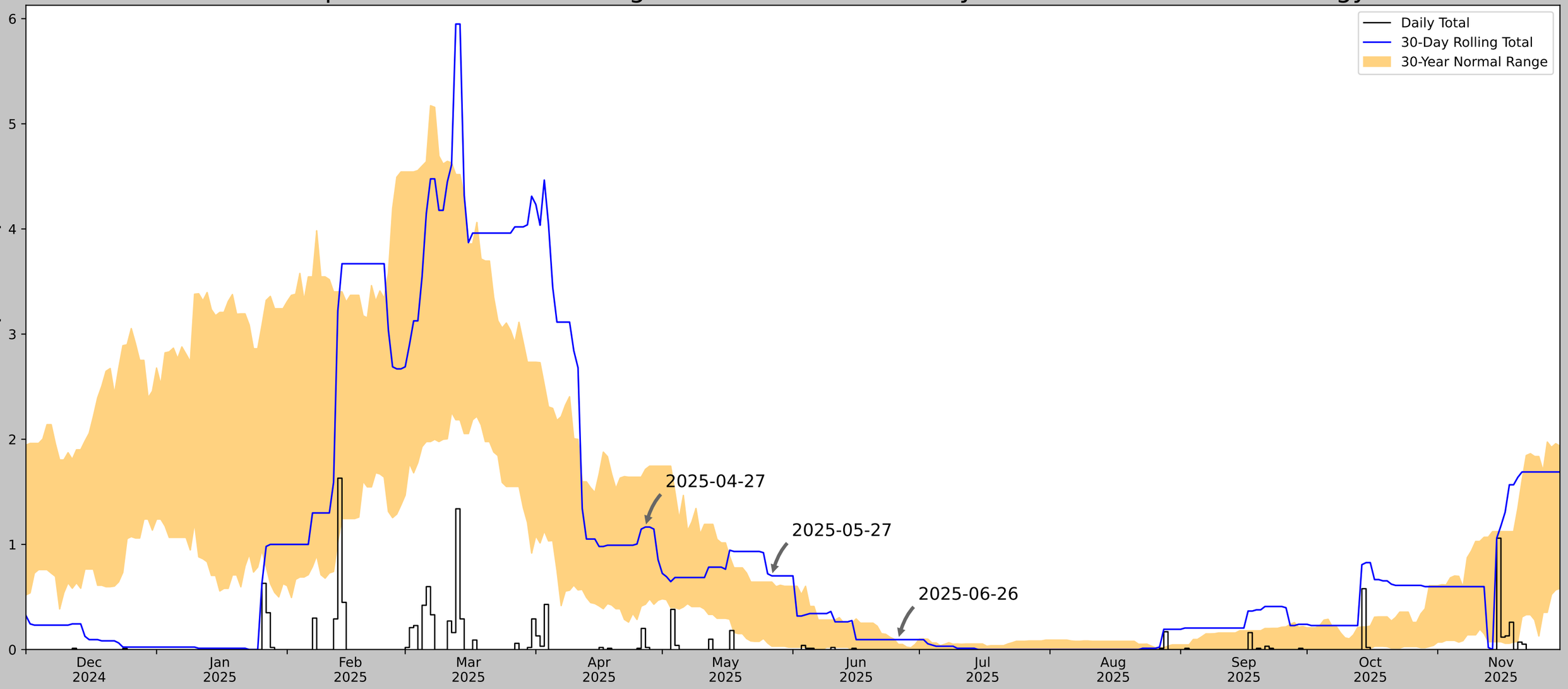
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-06-26
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-26	0.0	0.049213	0.094488	Wet	3	3	9
2025-05-27	0.031496	0.642126	0.700787	Wet	3	2	6
2025-04-27	0.430315	1.714173	1.165354	Normal	2	1	2
Result							Wetter than Normal - 17

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

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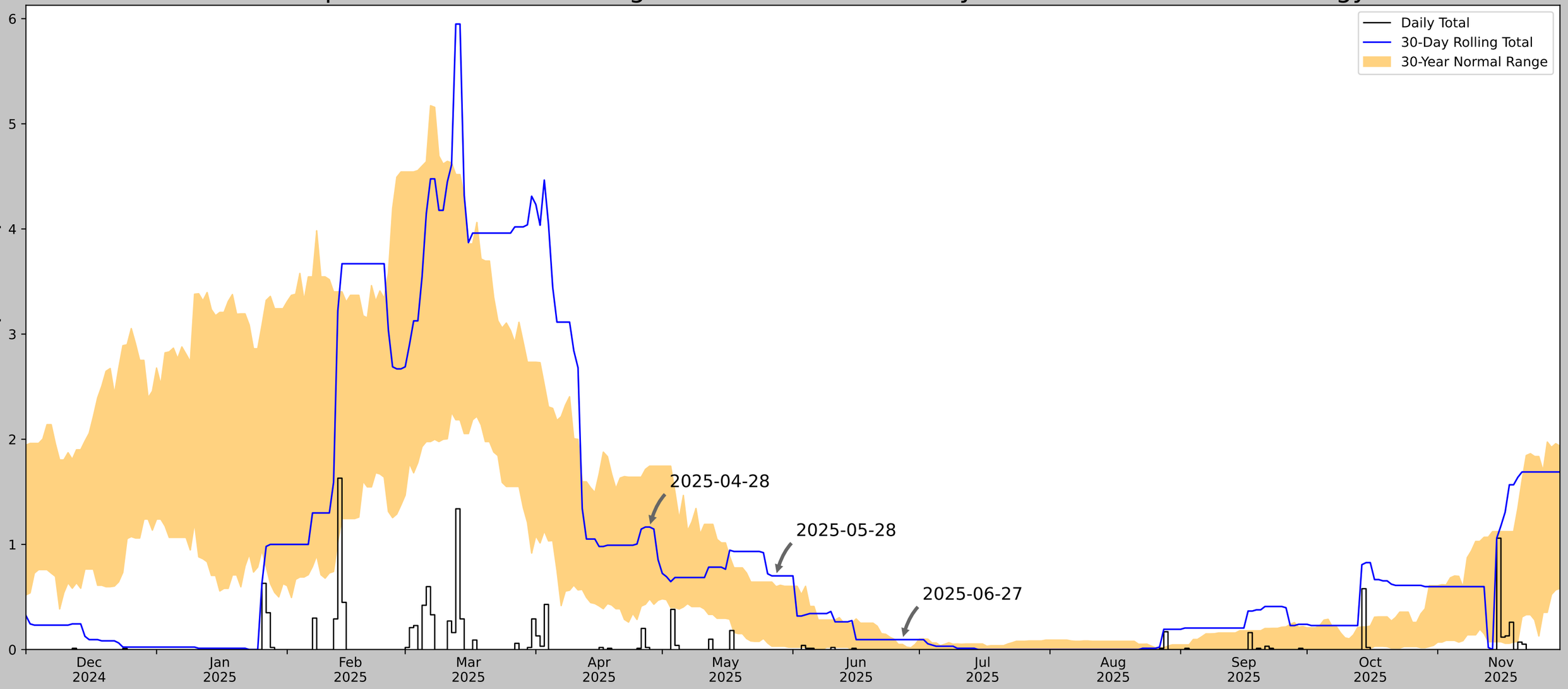
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-06-27
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-27	0.0	0.049213	0.094488	Wet	3	3	9
2025-05-28	0.031496	0.597638	0.700787	Wet	3	2	6
2025-04-28	0.482283	1.744882	1.165354	Normal	2	1	2
Result							Wetter than Normal - 17

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

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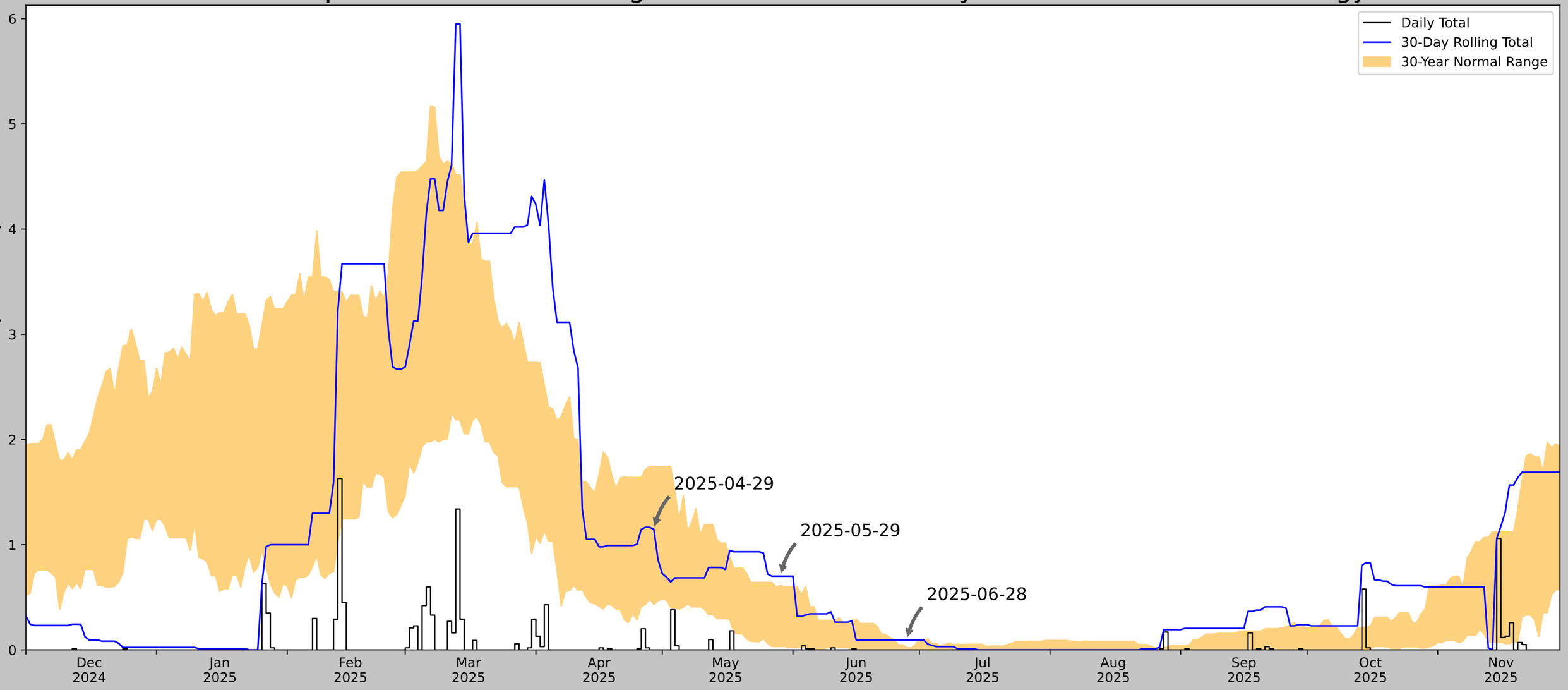
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-28
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-28	0.0	0.023228	0.094488	Wet	3	3	9
2025-05-29	0.031496	0.611811	0.700787	Wet	3	2	6
2025-04-29	0.430315	1.744882	1.145669	Normal	2	1	2
Result							Wetter than Normal - 17

Figures and tables made by the
Antecedent Precipitation Tool
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Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Coordinates	32.79683, -116.75666
Observation Date	2025-06-29
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-29	0.0	0.017717	0.094488	Wet	3	3	9
2025-05-30	0.031496	0.602362	0.700787	Wet	3	2	6
2025-04-30	0.468504	1.744882	0.854331	Normal	2	1	2
Result							Wetter than Normal - 17

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

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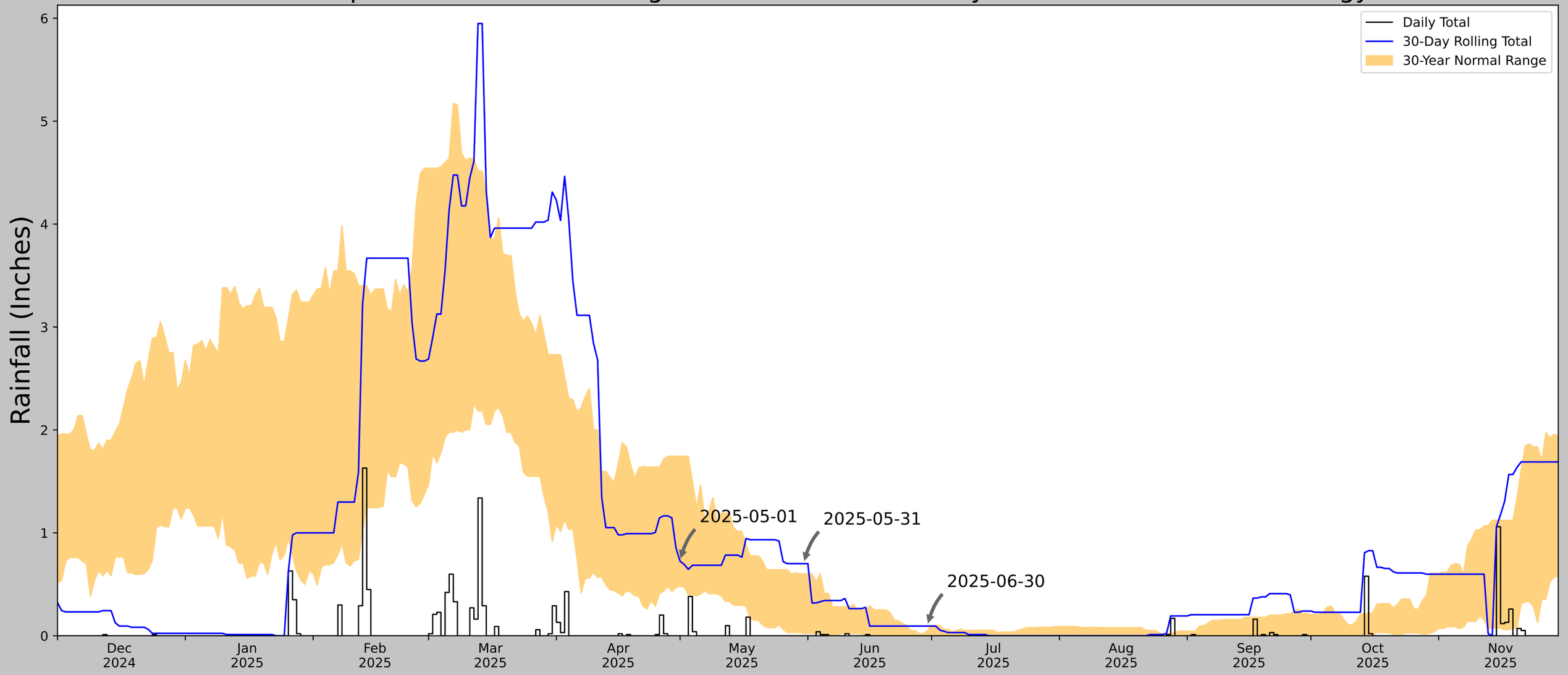
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-06-30
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-06-30	0.0	0.049213	0.094488	Wet	3	3	9
2025-05-31	0.022047	0.602362	0.700787	Wet	3	2	6
2025-05-01	0.482283	1.744882	0.724409	Normal	2	1	2
Result							Wetter than Normal - 17

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

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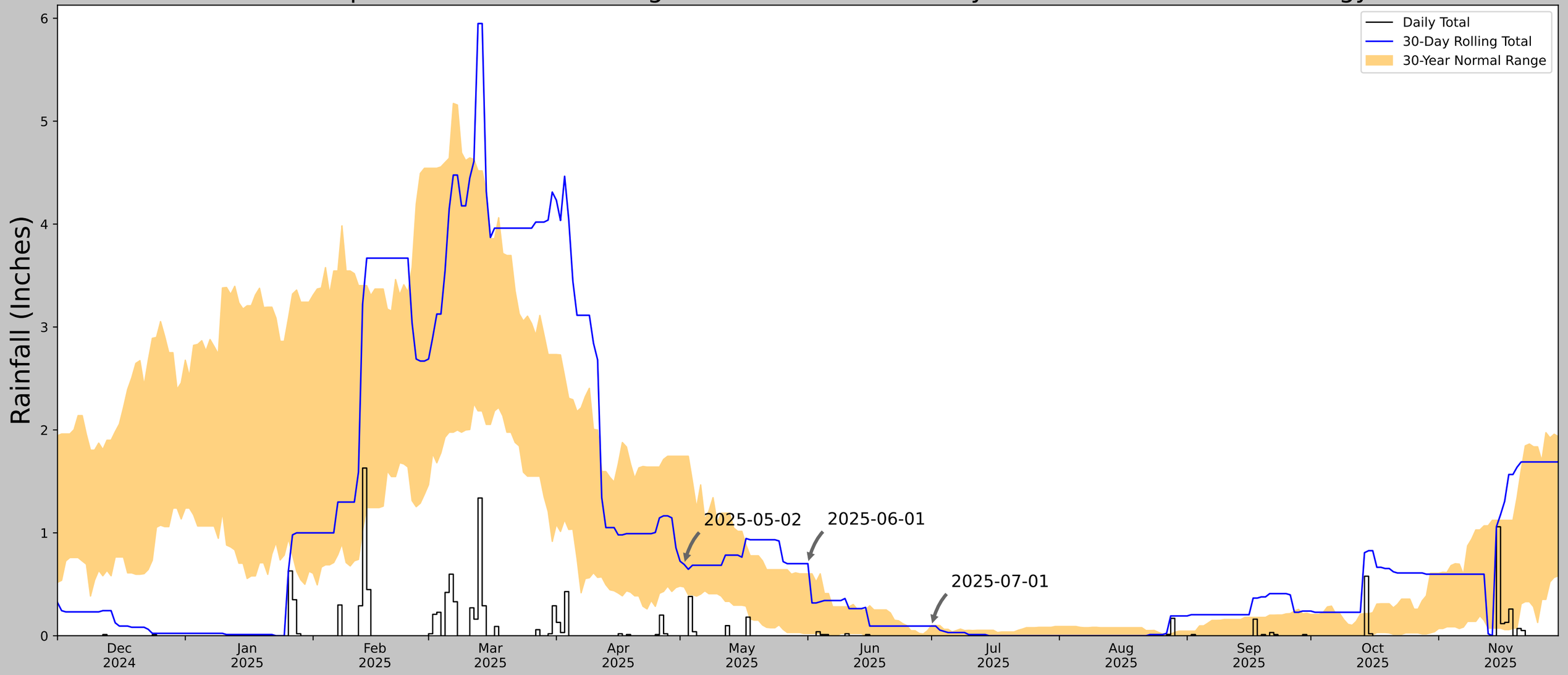
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-07-01
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-07-01	0.0	0.1	0.094488	Normal	2	3	6
2025-06-01	0.022047	0.602362	0.700787	Wet	3	2	6
2025-05-02	0.474016	1.744882	0.692913	Normal	2	1	2
Result							Normal Conditions - 14

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

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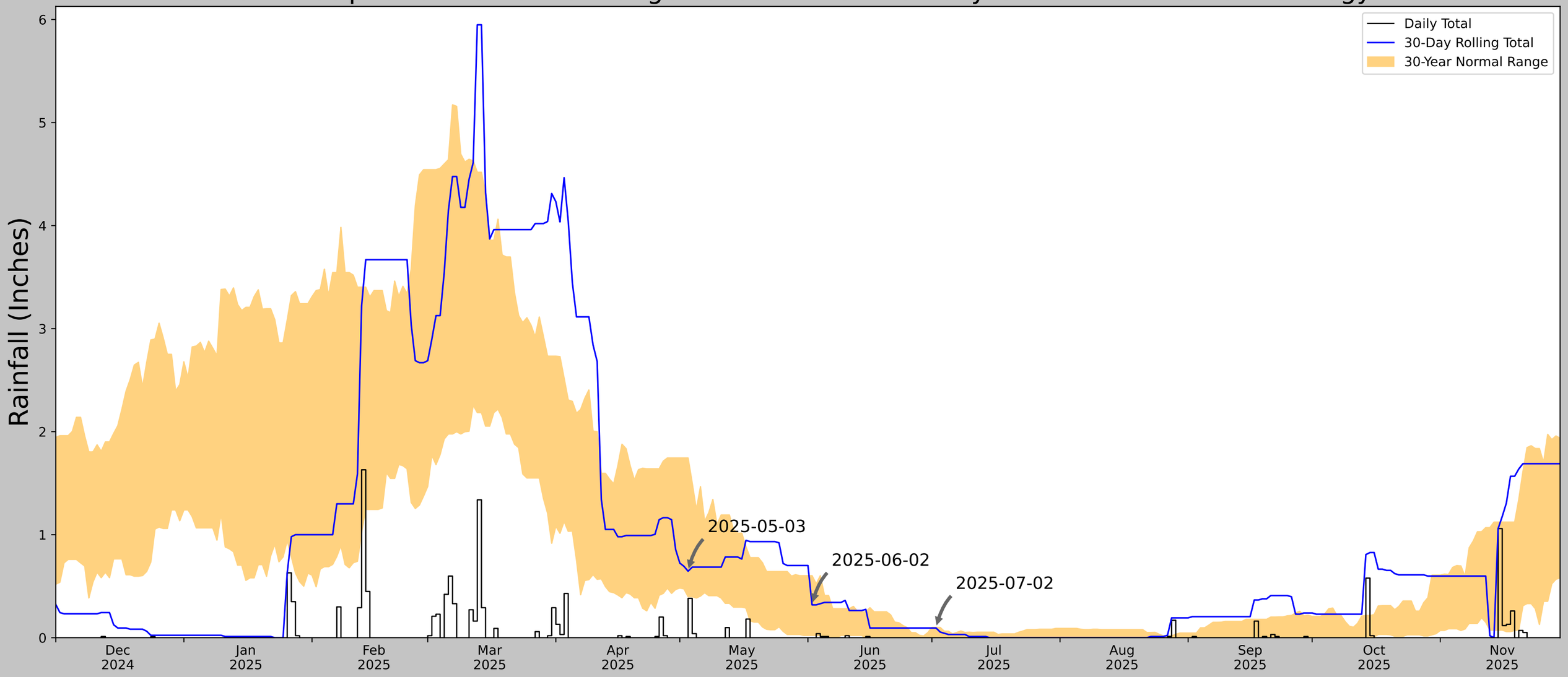
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-07-02
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-07-02	0.0	0.1	0.094488	Normal	2	3	6
2025-06-02	0.022047	0.602362	0.318898	Normal	2	2	4
2025-05-03	0.398425	1.744882	0.645669	Normal	2	1	2
Result							Normal Conditions - 12

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

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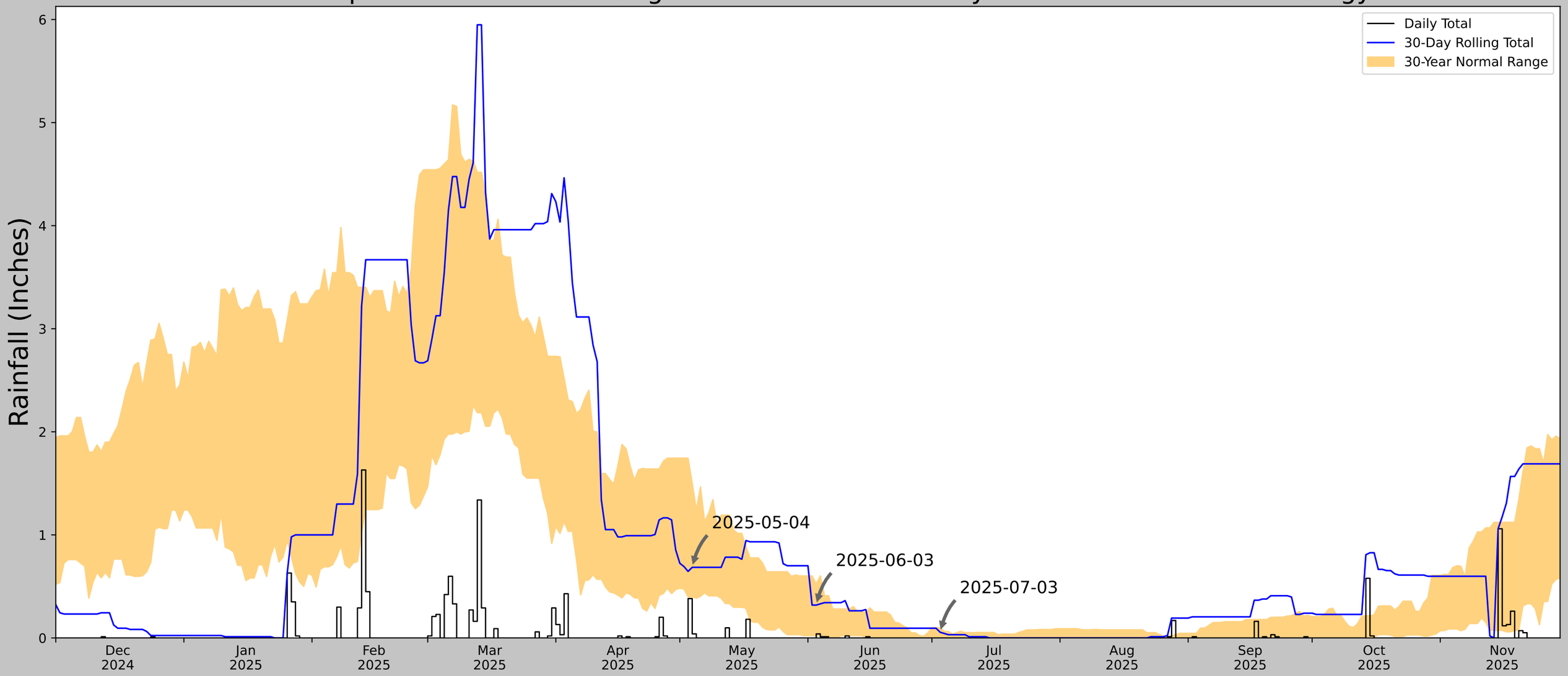
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-07-03
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-07-03	0.0	0.1	0.055118	Normal	2	3	6
2025-06-03	0.022047	0.523622	0.318898	Normal	2	2	4
2025-05-04	0.398425	1.501969	0.685039	Normal	2	1	2
Result							Normal Conditions - 12

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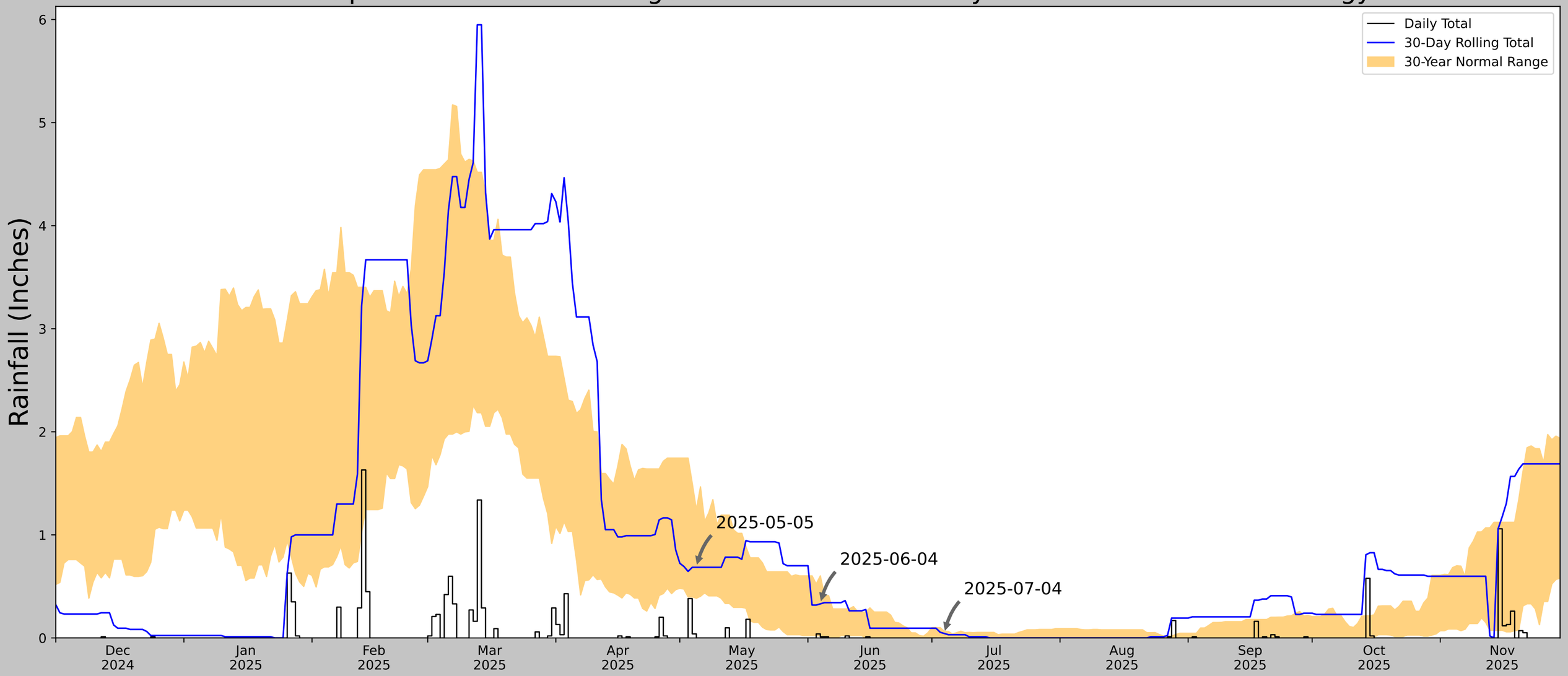
U.S. Army Engineer Research and Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-07-04
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-07-04	0.0	0.062992	0.043307	Normal	2	3	6
2025-06-04	0.022047	0.602362	0.330709	Normal	2	2	4
2025-05-05	0.385433	1.243307	0.685039	Normal	2	1	2
Result							Normal Conditions - 12

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

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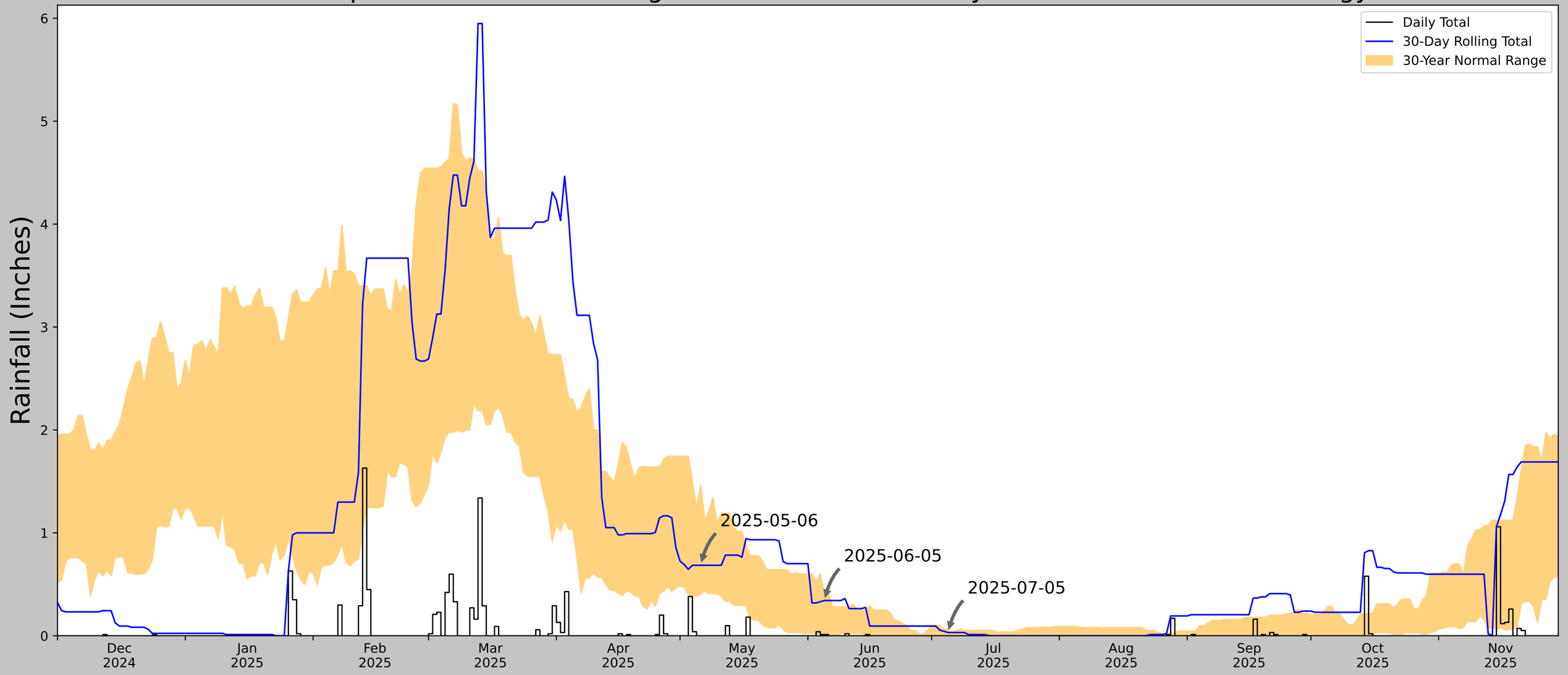
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-07-05
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-07-05	0.0	0.062992	0.031496	Normal	2	3	6
2025-06-05	0.0	0.41063	0.34252	Normal	2	2	4
2025-05-06	0.404331	1.466535	0.685039	Normal	2	1	2
Result							Normal Conditions - 12

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

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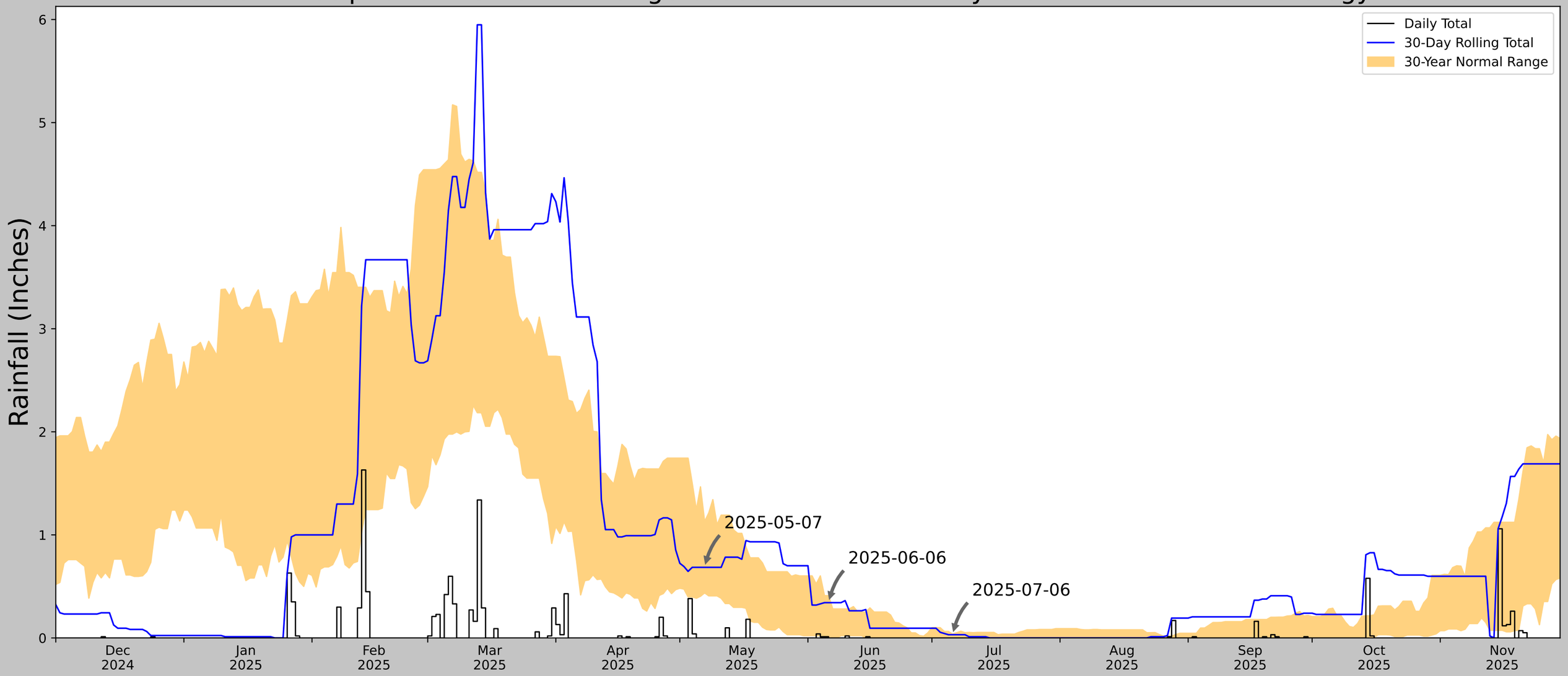
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-07-06
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-07-06	0.0	0.037402	0.031496	Normal	2	3	6
2025-06-06	0.0	0.41063	0.34252	Normal	2	2	4
2025-05-07	0.437402	1.129921	0.685039	Normal	2	1	2
Result							Normal Conditions - 12

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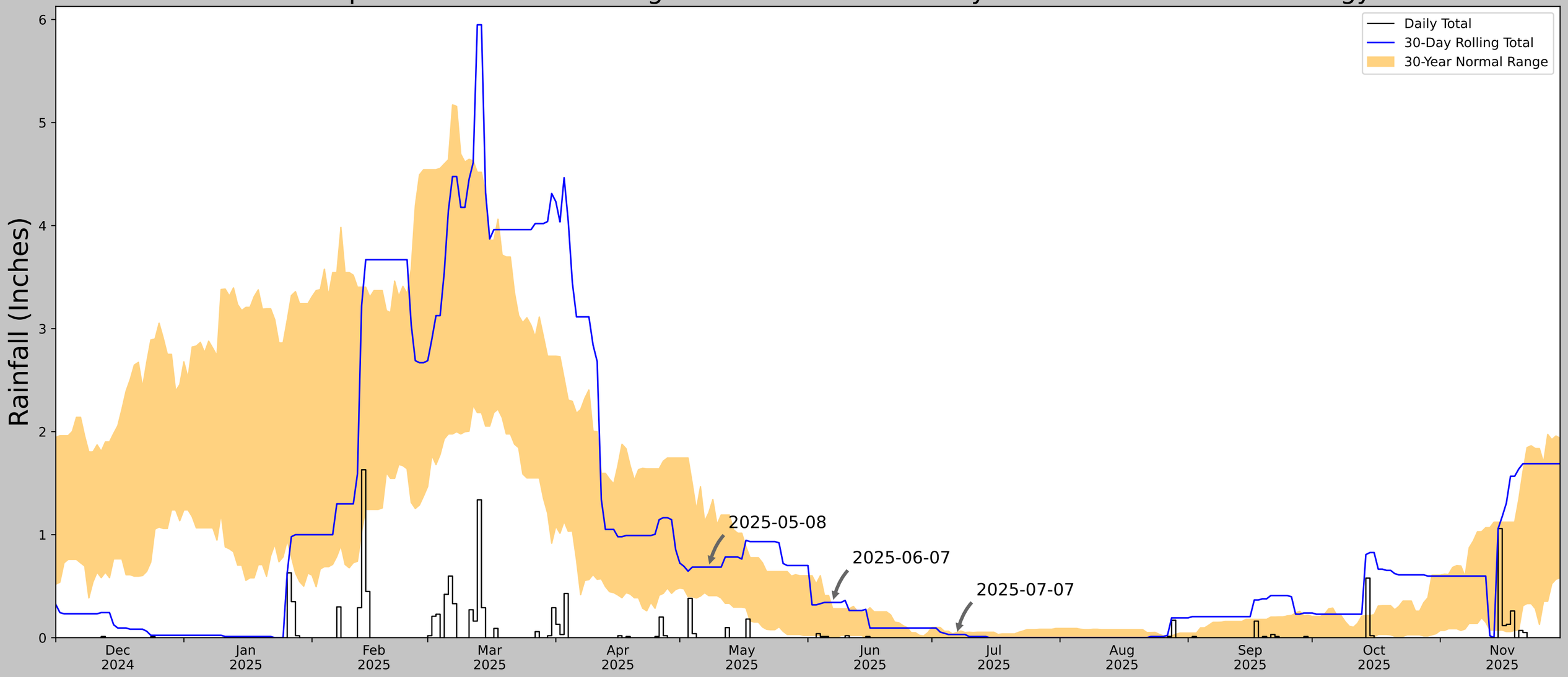
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-07-07
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-07-07	0.0	0.051181	0.031496	Normal	2	3	6
2025-06-07	0.0	0.281496	0.34252	Wet	3	2	6
2025-05-08	0.408268	1.212992	0.685039	Normal	2	1	2
Result							Normal Conditions - 14

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

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Developed by:
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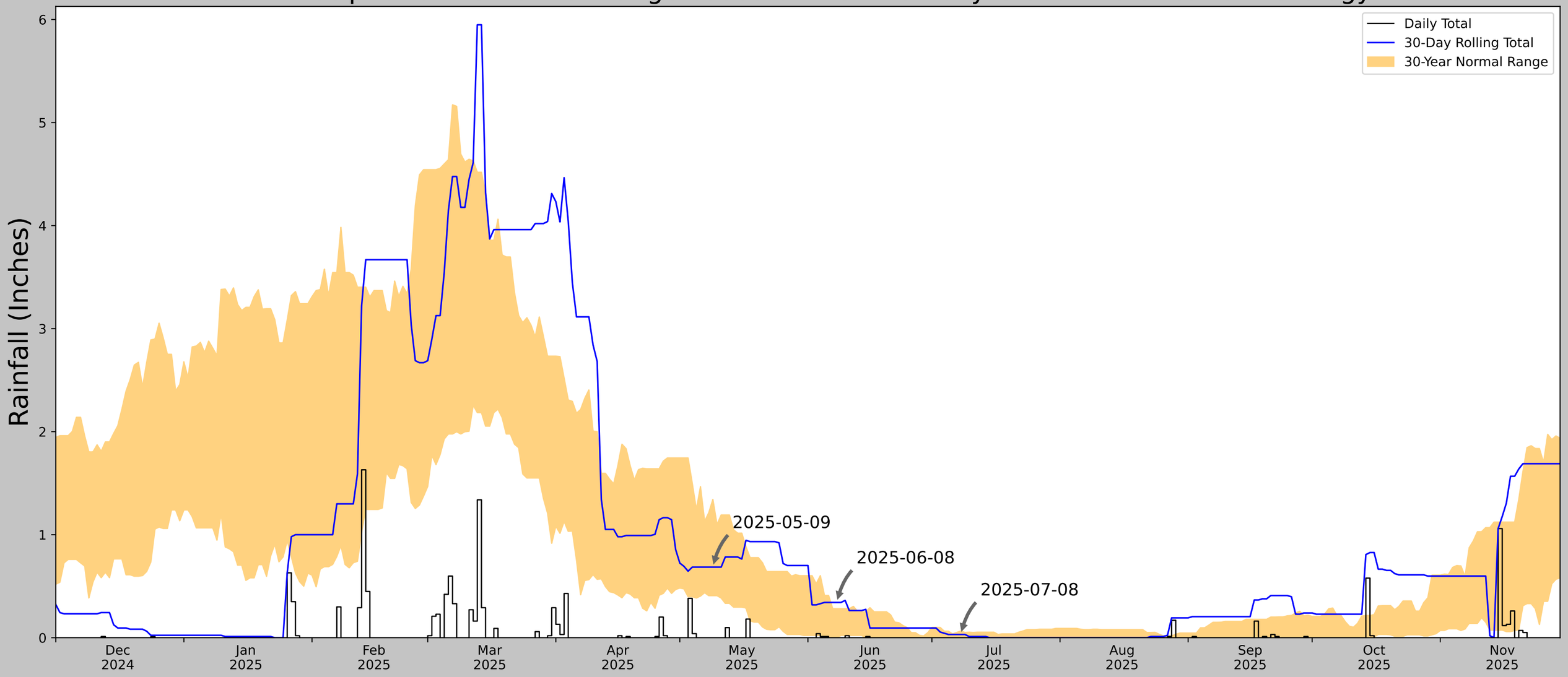
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-07-08
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-07-08	0.0	0.065354	0.031496	Normal	2	3	6
2025-06-08	0.0	0.281496	0.34252	Wet	3	2	6
2025-05-09	0.408268	1.34252	0.685039	Normal	2	1	2
Result							Normal Conditions - 14

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

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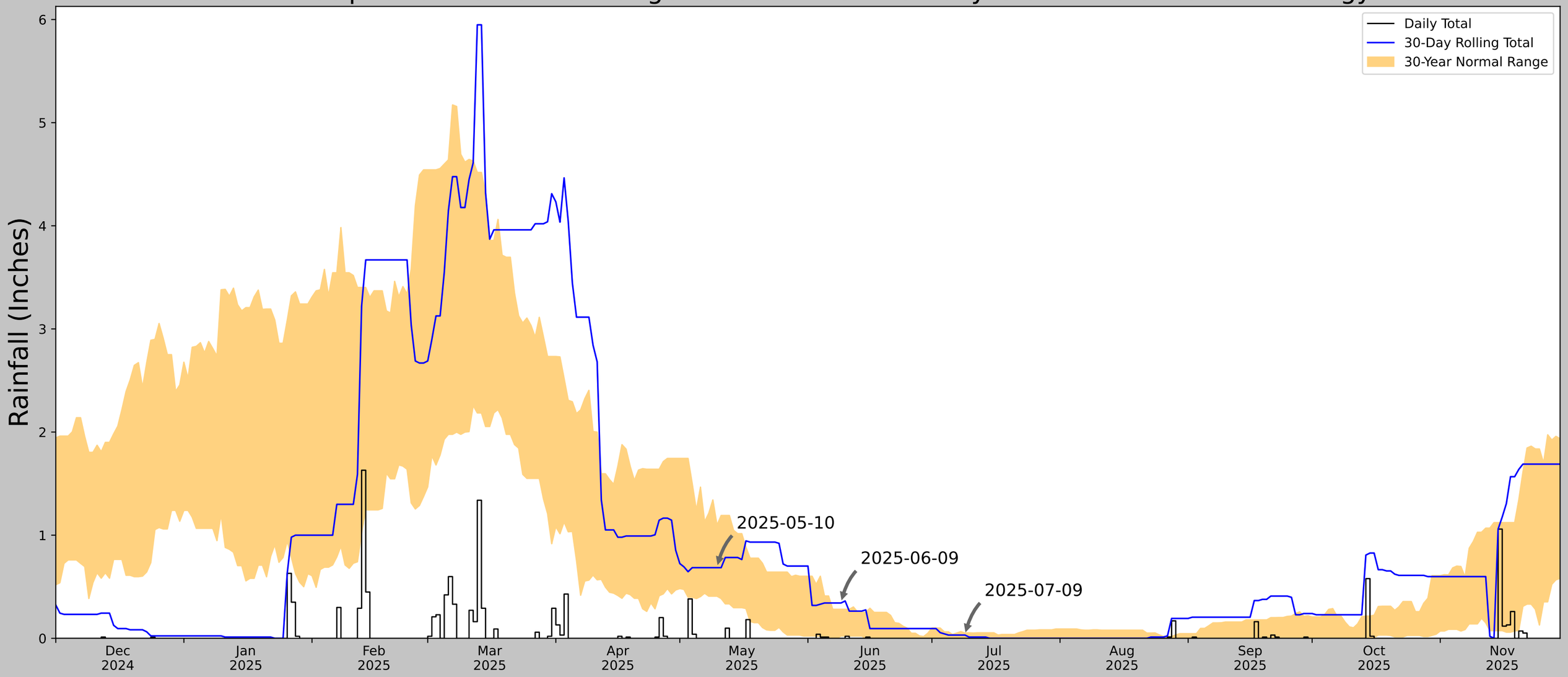
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-07-09
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-07-09	0.0	0.051181	0.031496	Normal	2	3	6
2025-06-09	0.022047	0.281496	0.34252	Wet	3	2	6
2025-05-10	0.408268	1.097638	0.685039	Normal	2	1	2
Result							Normal Conditions - 14

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

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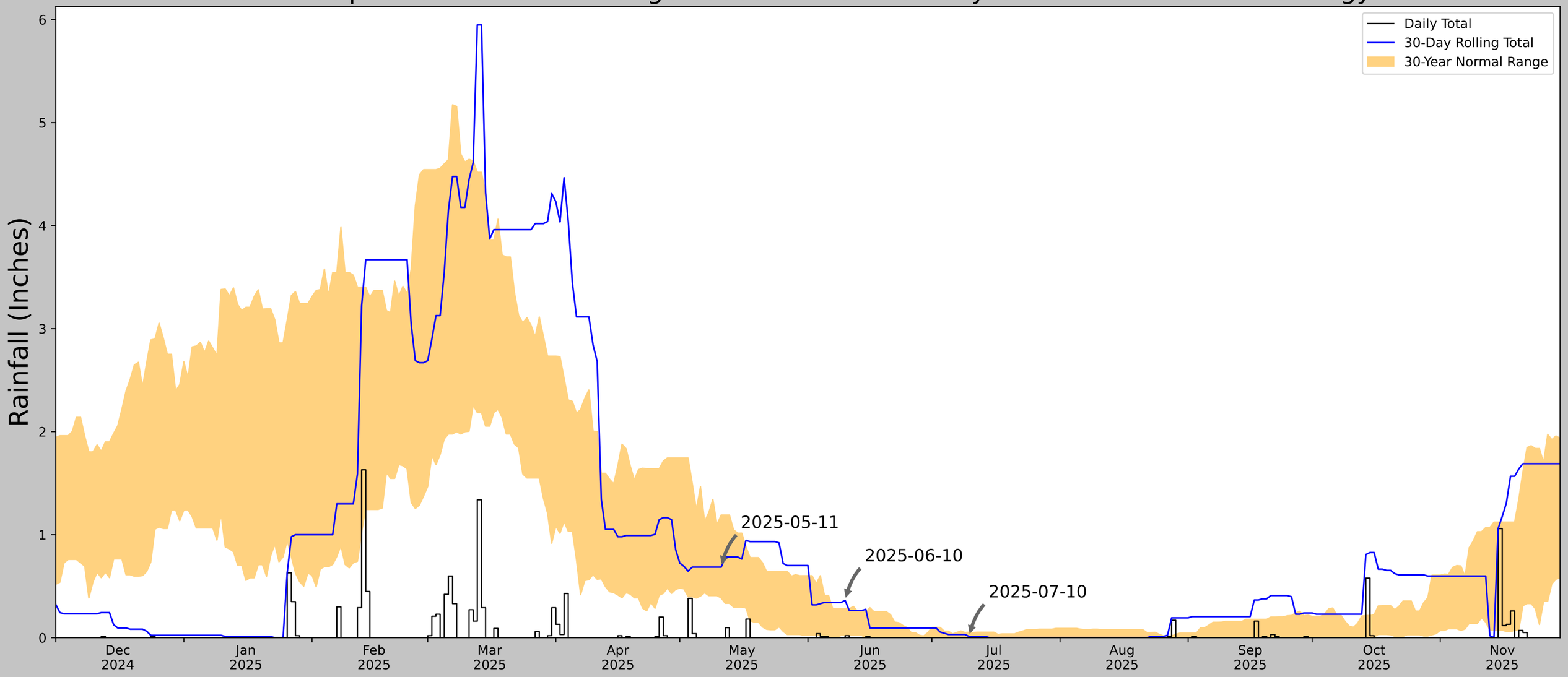
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-07-10
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-07-10	0.0	0.053543	0.011811	Normal	2	3	6
2025-06-10	0.022047	0.281496	0.362205	Wet	3	2	6
2025-05-11	0.385433	1.191339	0.685039	Normal	2	1	2
Result							Normal Conditions - 14

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

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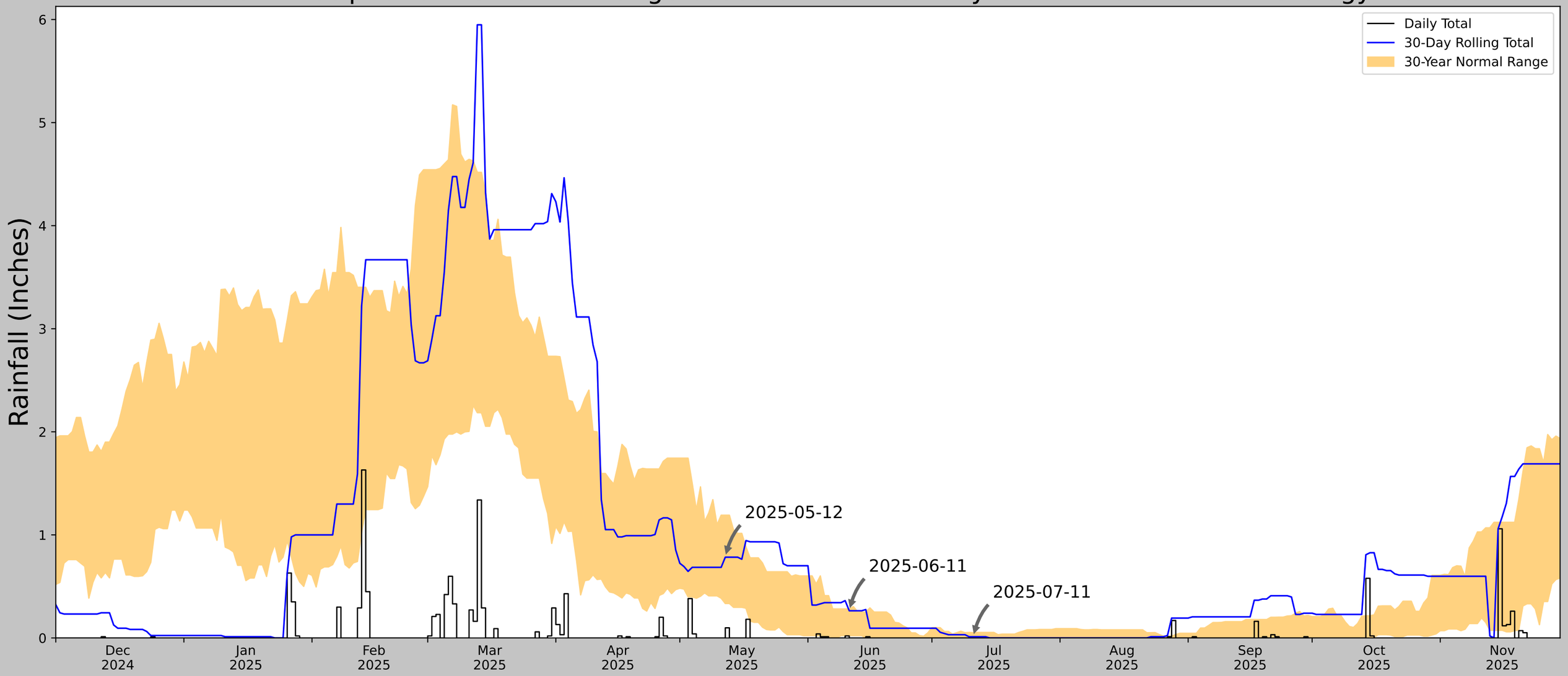
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-07-11
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-07-11	0.0	0.051181	0.011811	Normal	2	3	6
2025-06-11	0.022047	0.281496	0.26378	Normal	2	2	4
2025-05-12	0.333858	1.191339	0.783465	Normal	2	1	2
Result							Normal Conditions - 12

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

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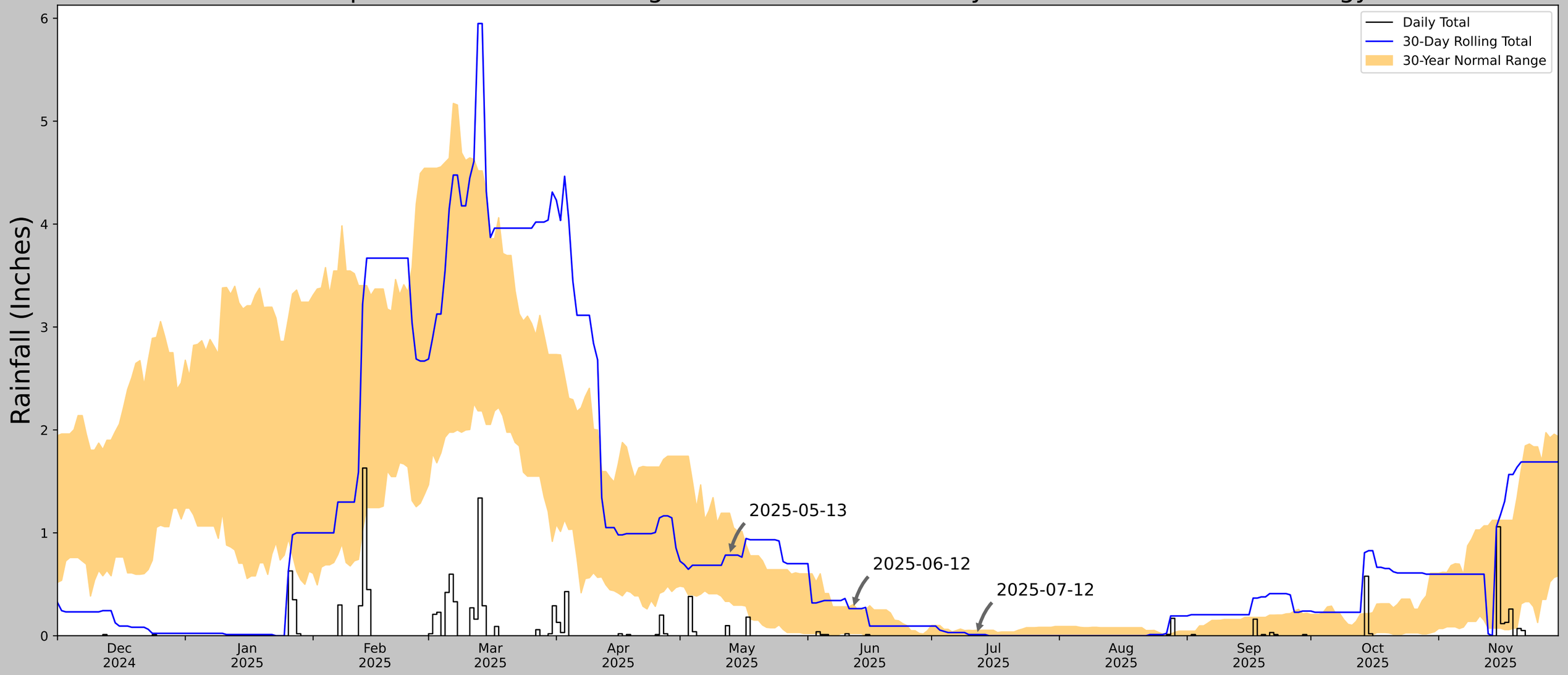
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	32.79683, -116.75666
Observation Date	2025-07-12
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-07-12	0.0	0.053543	0.011811	Normal	2	3	6
2025-06-12	0.022047	0.304331	0.26378	Normal	2	2	4
2025-05-13	0.333858	1.191339	0.783465	Normal	2	1	2
Result							Normal Conditions - 12

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

US Army Corps of Engineers.
ERDC

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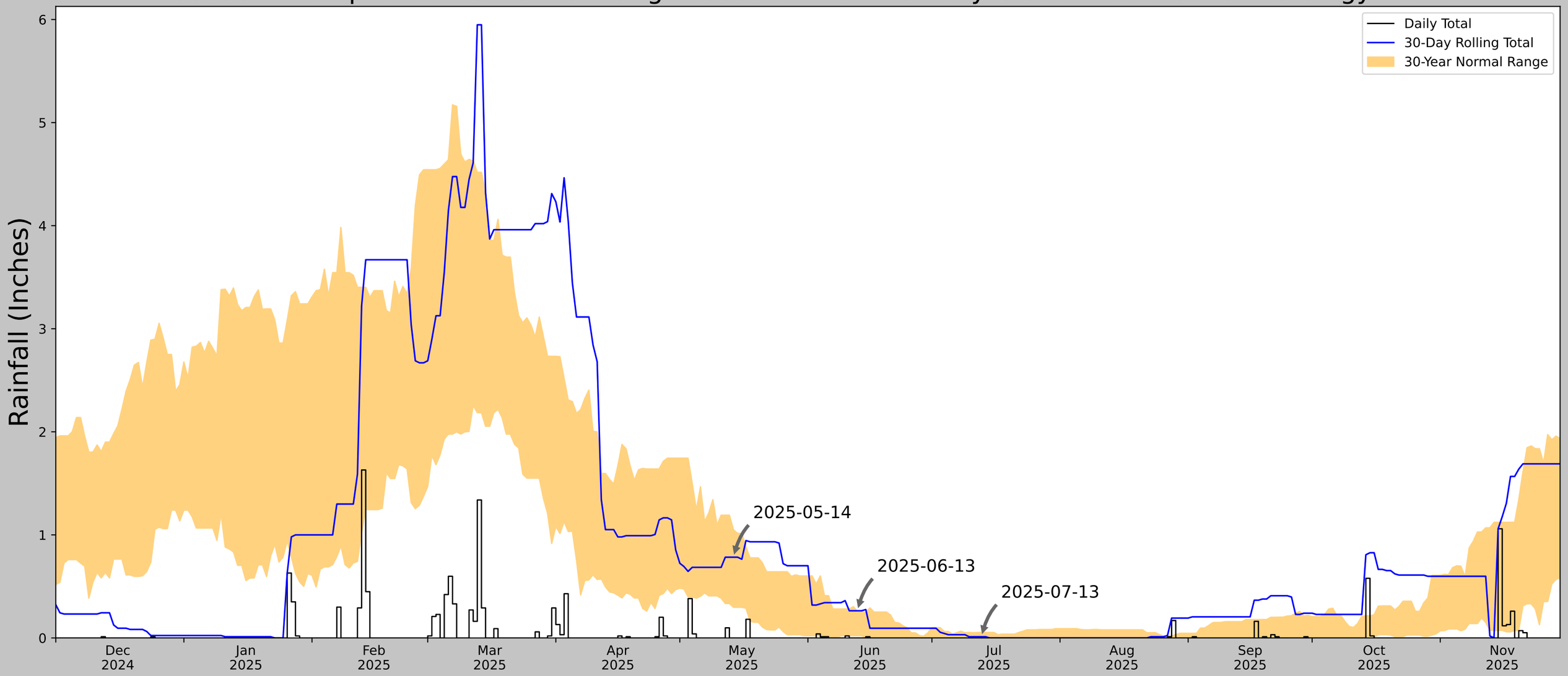
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-07-13
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-07-13	0.0	0.053543	0.011811	Normal	2	3	6
2025-06-13	0.022047	0.256299	0.26378	Wet	3	2	6
2025-05-14	0.29685	1.048032	0.783465	Normal	2	1	2
Result							Normal Conditions - 14

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

US Army Corps of Engineers.
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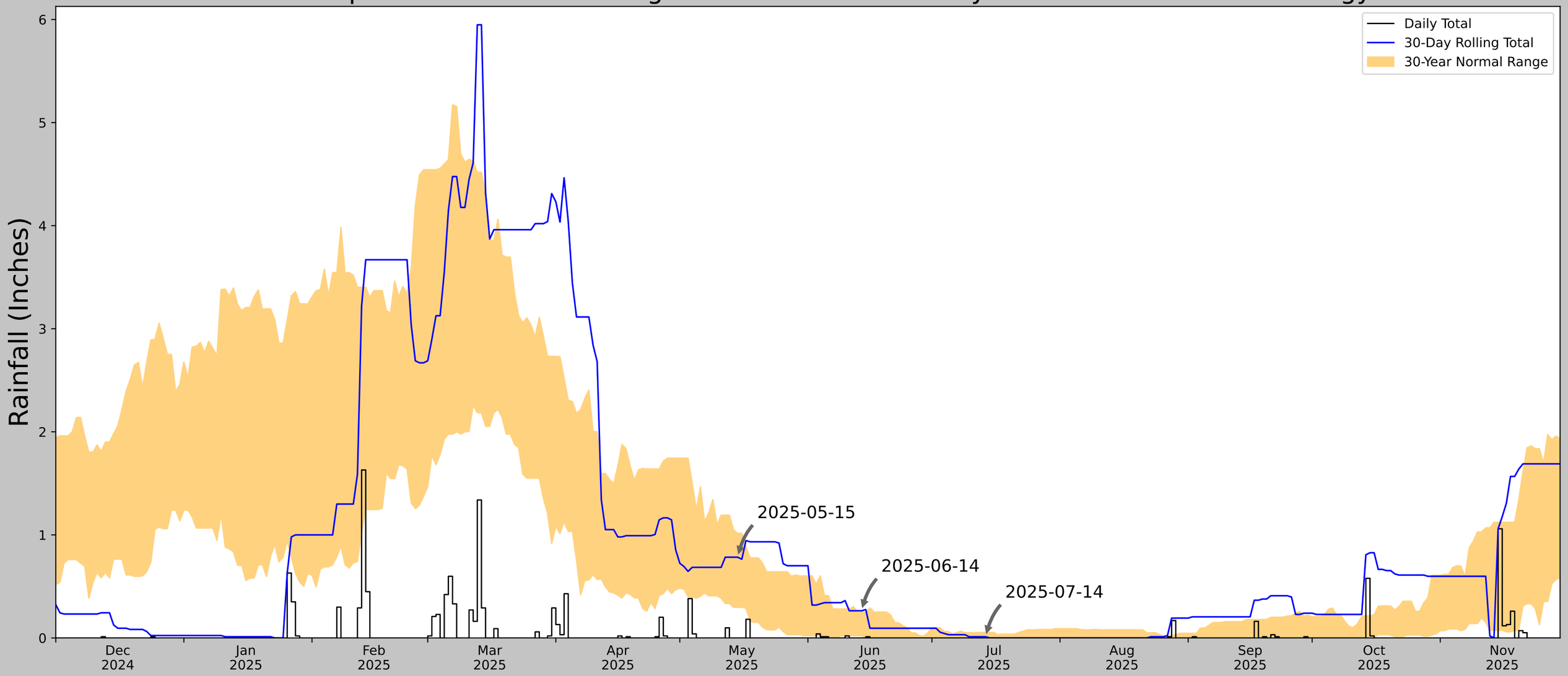
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-07-14
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-07-14	0.0	0.053543	0.011811	Normal	2	3	6
2025-06-14	0.022047	0.251575	0.26378	Wet	3	2	6
2025-05-15	0.29685	1.014961	0.783465	Normal	2	1	2
Result							Normal Conditions - 14

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

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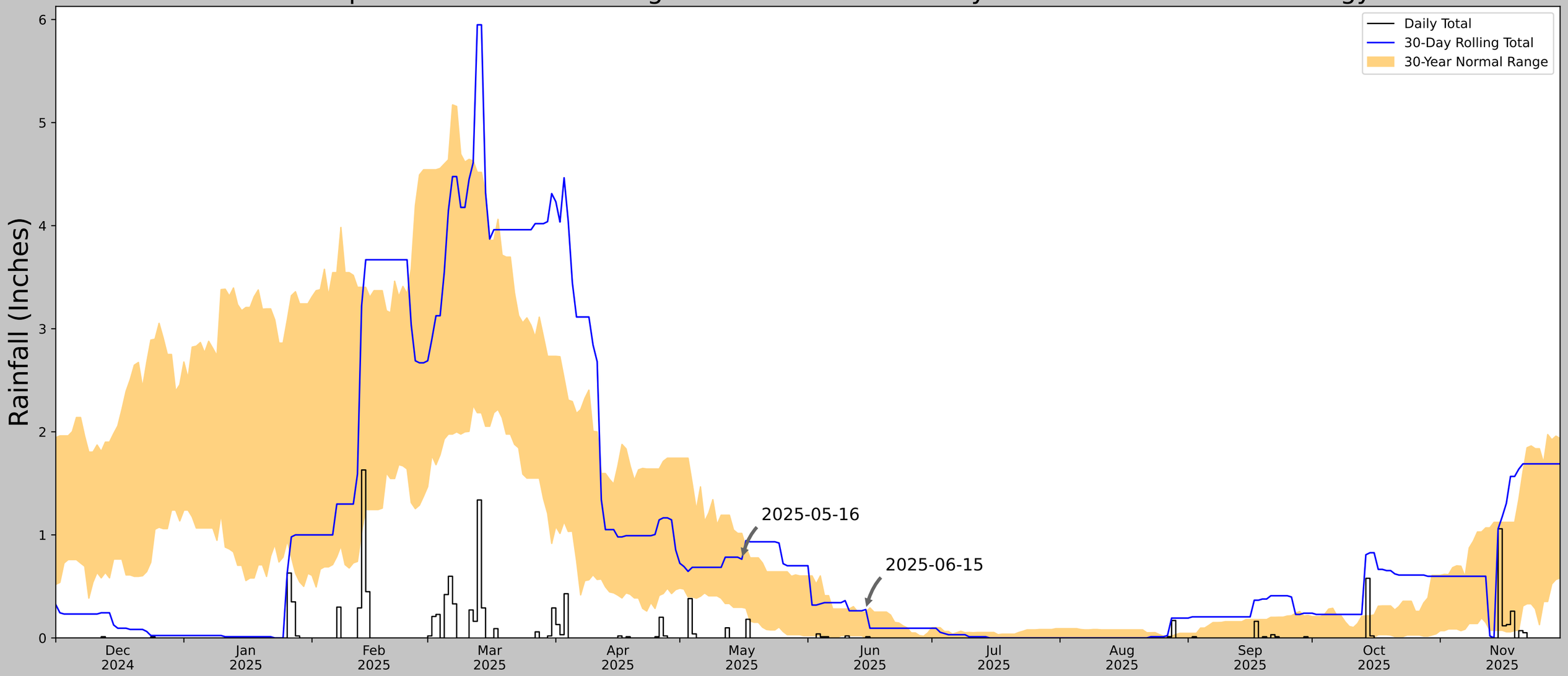
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-07-15
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-07-15	0.0	0.053543	0.0	Normal	2	3	6
2025-06-15	0.0	0.251575	0.275591	Wet	3	2	6
2025-05-16	0.29685	1.014961	0.76378	Normal	2	1	2
Result							Normal Conditions - 14

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

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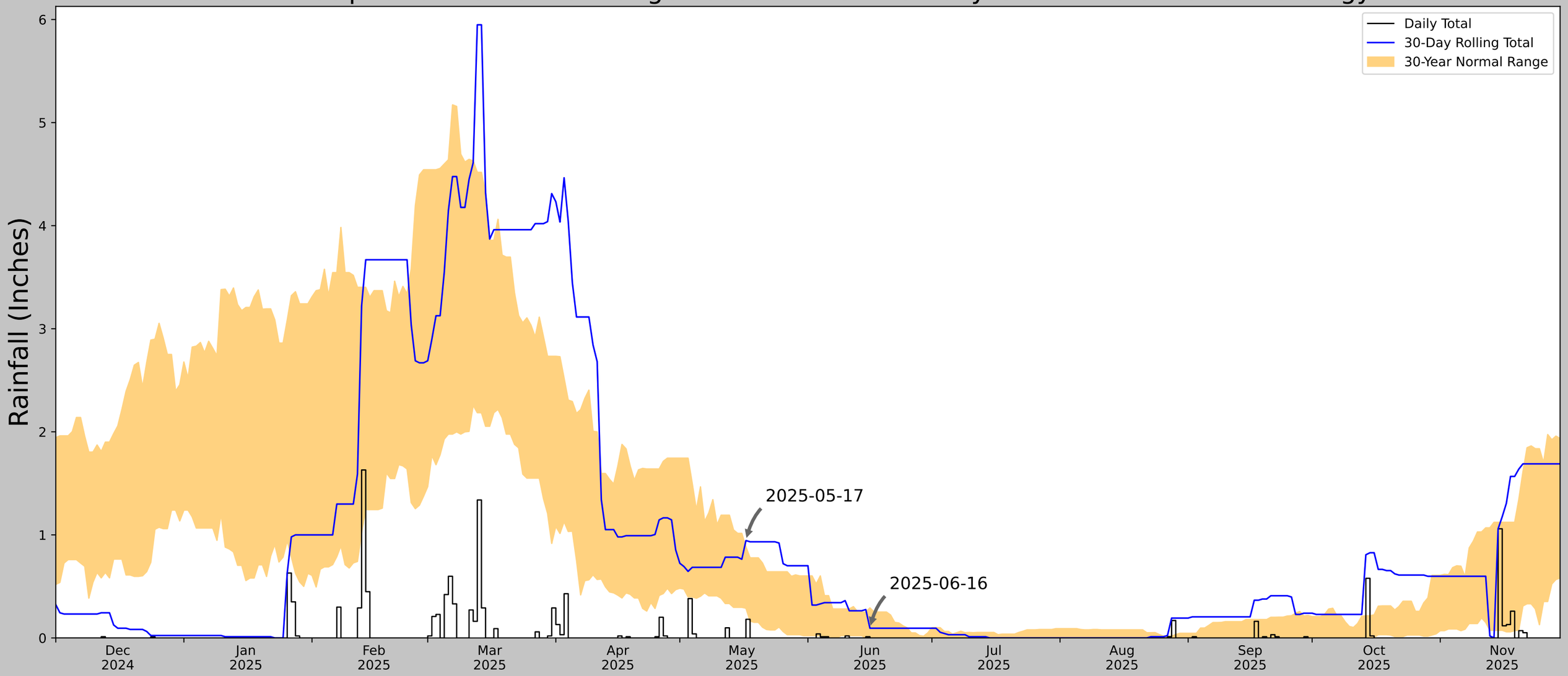
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-07-16
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-07-16	0.0	0.053543	0.0	Normal	2	3	6
2025-06-16	0.0	0.292126	0.094488	Normal	2	2	4
2025-05-17	0.288583	0.883858	0.944882	Wet	3	1	3
Result							Normal Conditions - 13

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

US Army Corps of Engineers.
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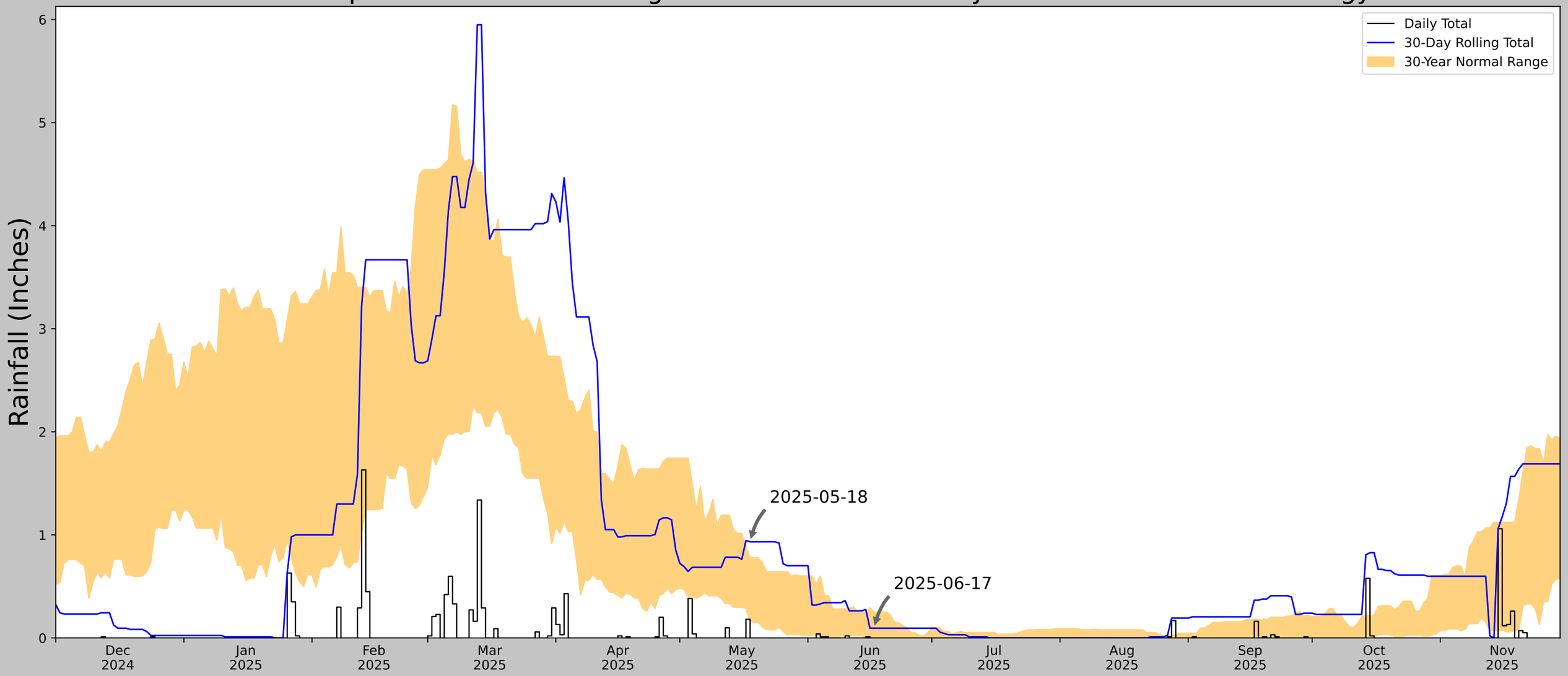
U.S. Army Engineer Research and Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-07-17
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-07-17	0.0	0.03189	0.0	Normal	2	3	6
2025-06-17	0.0	0.251575	0.094488	Normal	2	2	4
2025-05-18	0.163386	0.777559	0.933071	Wet	3	1	3
Result							Normal Conditions - 13

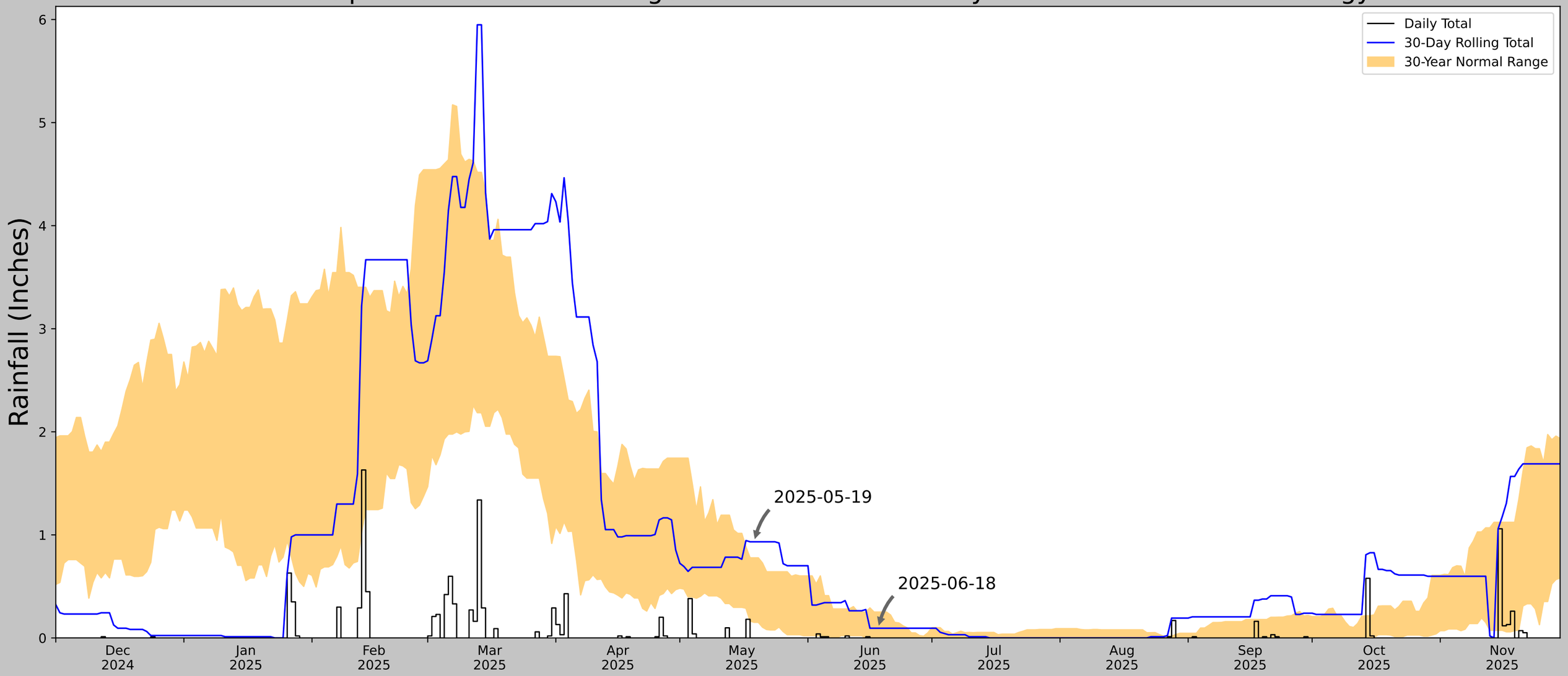
Figures and tables made by the Antecedent Precipitation Tool Version 3.0

US Army Corps of Engineers

ERDC

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0



Coordinates	32.79683, -116.75666
Observation Date	2025-07-18
Elevation (ft)	1529.157
Drought Index (PDSI)	Extreme drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-07-18	0.0	0.037402	0.0	Normal	2	3	6
2025-06-18	0.0	0.251575	0.094488	Normal	2	2	4
2025-05-19	0.151575	0.777559	0.933071	Wet	3	1	3
Result							Normal Conditions - 13

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

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Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALPINE	32.8358, -116.7775	1694.882	2.952	165.725	1.818	10502	90
LAKESIDE 4.1NNE	32.9087, -116.888	1679.134	8.154	15.748	3.798	10	0
EL CAJON 7.8 NE	32.8665, -116.8509	1036.089	4.759	658.793	5.277	2	0
EL CAPITAN DAM	32.8856, -116.815	600.066	4.071	1094.816	6.289	518	0
SAN DIEGO COUNTRY ESTATES 1.5	33.0158, -116.8068	1474.081	12.552	220.801	8.42	1	0
RAMONA FIRE DEPT	33.0114, -116.9081	1470.144	14.303	224.738	9.651	266	0
LAKESIDE 2 E	32.8536, -116.8947	689.961	6.914	1004.921	10.059	23	0
RAMONA AP	33.0381, -116.9161	1384.843	16.124	310.039	12.255	31	0

ATTACHMENT D: SOILS MAP

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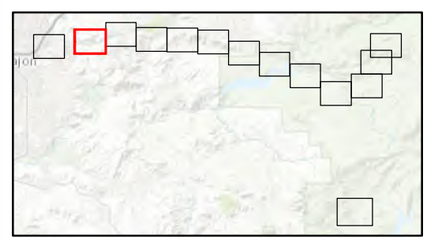
Attachment D:
Soils Map
Map 1 of 14

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV Western UG Segment
Survey Area

Soil Type

- AcG - Acid igneous rock land
- CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony
- CnE2 - Cieneba-Fallbrook rocky sandy loams, 9 to 30 percent slopes, eroded
- FeE2 - Fallbrook rocky sandy loam, 9 to 30 percent slopes, eroded
- GrB - Greenfield sandy loam, 2 to 5 percent slopes
- VaC - Visalia sandy loam, 5 to 9 percent slopes
- VsD2 - Vista coarse sandy loam, 9 to 15 percent slopes, eroded
- VsG - Vista coarse sandy loam, 30 to 65 percent slopes, MLRA 20



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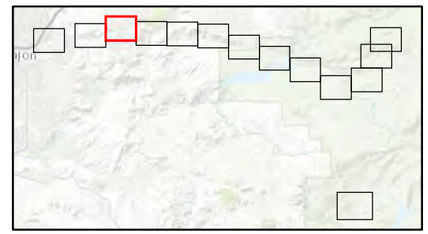
Attachment D:
Soils Map
Map 2 of 14

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV Western UG Segment
Survey Area

Soil Type

CnE2 - Cieneba-Fallbrook rocky sandy loams, 9 to 30 percent slopes, eroded
FaD2 - Fallbrook sandy loam, 9 to 15 percent slopes, eroded
FaE2 - Fallbrook sandy loam, 15 to 30 percent slopes, eroded
RaD2 - Ramona sandy loam, 9 to 15 percent slopes, eroded
VsG - Vista coarse sandy loam, 30 to 65 percent slopes, MLRA 20



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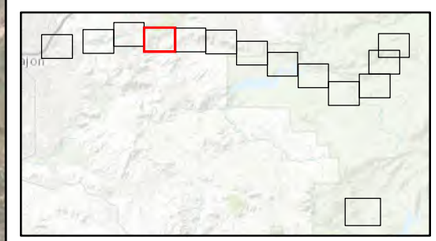
Attachment D:
Soils Map
Map 3 of 14

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment
Proposed 230 kV Western UG Segment
Survey Area

Soil Type

CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony
FaD2 - Fallbrook sandy loam, 9 to 15 percent slopes, eroded
FvE - Fallbrook-Vista sandy loams, 15 to 30 percent slopes
VaC - Visalia sandy loam, 5 to 9 percent slopes
VsG - Vista coarse sandy loam, 30 to 65 percent slopes, MLRA 20
VvG - Vista rocky coarse sandy loam, 30 to 65 percent slopes



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Attachment D:
Soils Map
Map 4 of 14

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment

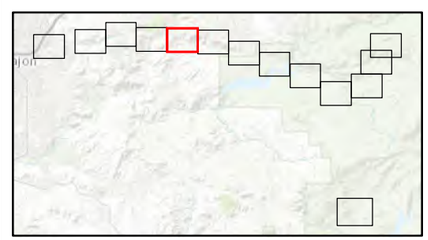
Survey Area

Soil Type

CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony

VsG - Vista coarse sandy loam, 30 to 65 percent slopes, MLRA 20

VvG - Vista rocky coarse sandy loam, 30 to 65 percent slopes



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Attachment D:
Soils Map
Map 5 of 14

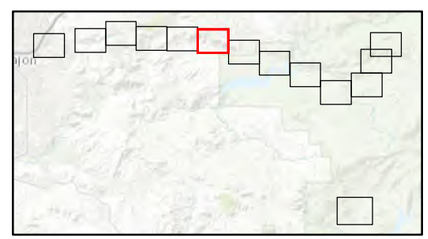
Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment

Survey Area

Soil Type

CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony



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Attachment D:
Soils Map
Map 6 of 14

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment

Survey Area

Soil Type

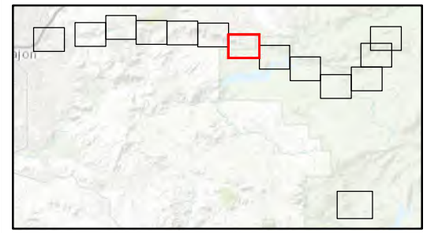
ClG2 - Cieneba coarse sandy loam, 30 to 65 percent slopes, eroded

CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony

FeE - Fallbrook rocky sandy loam, 9 to 30 percent slopes

RaD2 - Ramona sandy loam, 9 to 15 percent slopes, eroded

VsE - Vista coarse sandy loam, 15 to 30 percent slopes, MLRA 20



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Attachment D:
Soils Map
Map 7 of 14

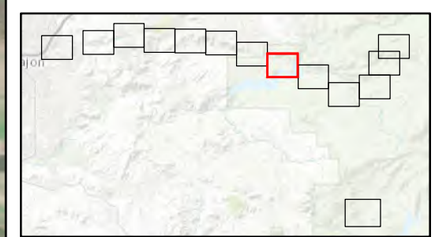
Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment
Staging Yard/Fly Yard
Survey Area

Soil Type

ClG2 - Cieneba coarse sandy loam, 30 to 65 percent slopes, eroded
FeE - Fallbrook rocky sandy loam, 9 to 30 percent slopes
RaD2 - Ramona sandy loam, 9 to 15 percent slopes, eroded
VvE - Vista rocky coarse sandy loam, 15 to 30 percent slopes
W - Water

Sweetwater Staging/Fly Yard



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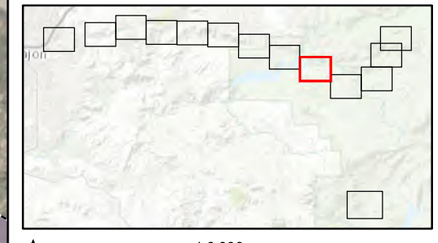
Attachment D:
Soils Map
Map 8 of 14

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment
Survey Area

Soil Type

FaD2 - Fallbrook sandy loam, 9 to 15 percent slopes, eroded
FvE - Fallbrook-Vista sandy loams, 15 to 30 percent slopes
RaD2 - Ramona sandy loam, 9 to 15 percent slopes, eroded
Rm - Riverwash
VvG - Vista rocky coarse sandy loam, 30 to 65 percent slopes



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Attachment D:
Soils Map
Map 9 of 14

Suncrest
230 Kilovolt Loop-In Project

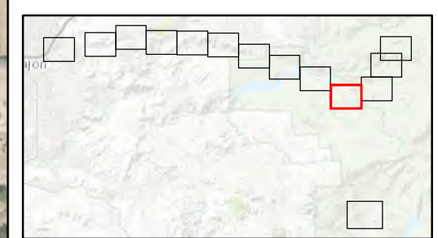
- Proposed 230 kV OH Segment
- Fly Yard
- Staging Yard
- Survey Area

Soil Type

- CnG2 - Cieneba-Fallbrook rocky sandy loams, 30 to 65 percent slopes, eroded
- FaC
- FeE - Fallbrook rocky sandy loam, 9 to 30 percent slopes
- FvE - Fallbrook-Vista sandy loams, 15 to 30 percent slopes
- VvG - Vista rocky coarse sandy loam, 30 to 65 percent slopes

High Glen Staging Yard

High Glen Fly Yard



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Attachment D:
Soils Map
Map 10 of 14

Suncrest
230 Kilovolt Loop-In Project

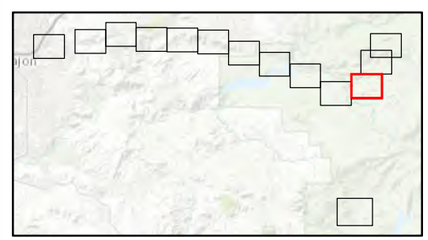
Proposed 230 kV OH Segment

Survey Area

Soil Type

AcG - Acid igneous rock land

VvG - Vista rocky coarse sandy loam, 30 to 65 percent slopes



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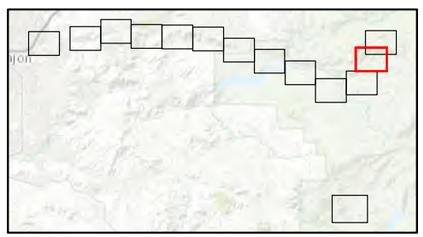
Attachment D:
Soils Map
Map 11 of 14

Suncrest
230 Kilovolt Loop-In Project

- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Existing Suncrest Substation
- Survey Area

Soil Type

- AcG - Acid igneous rock land
- CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony
- FvD - Fallbrook-Vista sandy loams, 9 to 15 percent slopes



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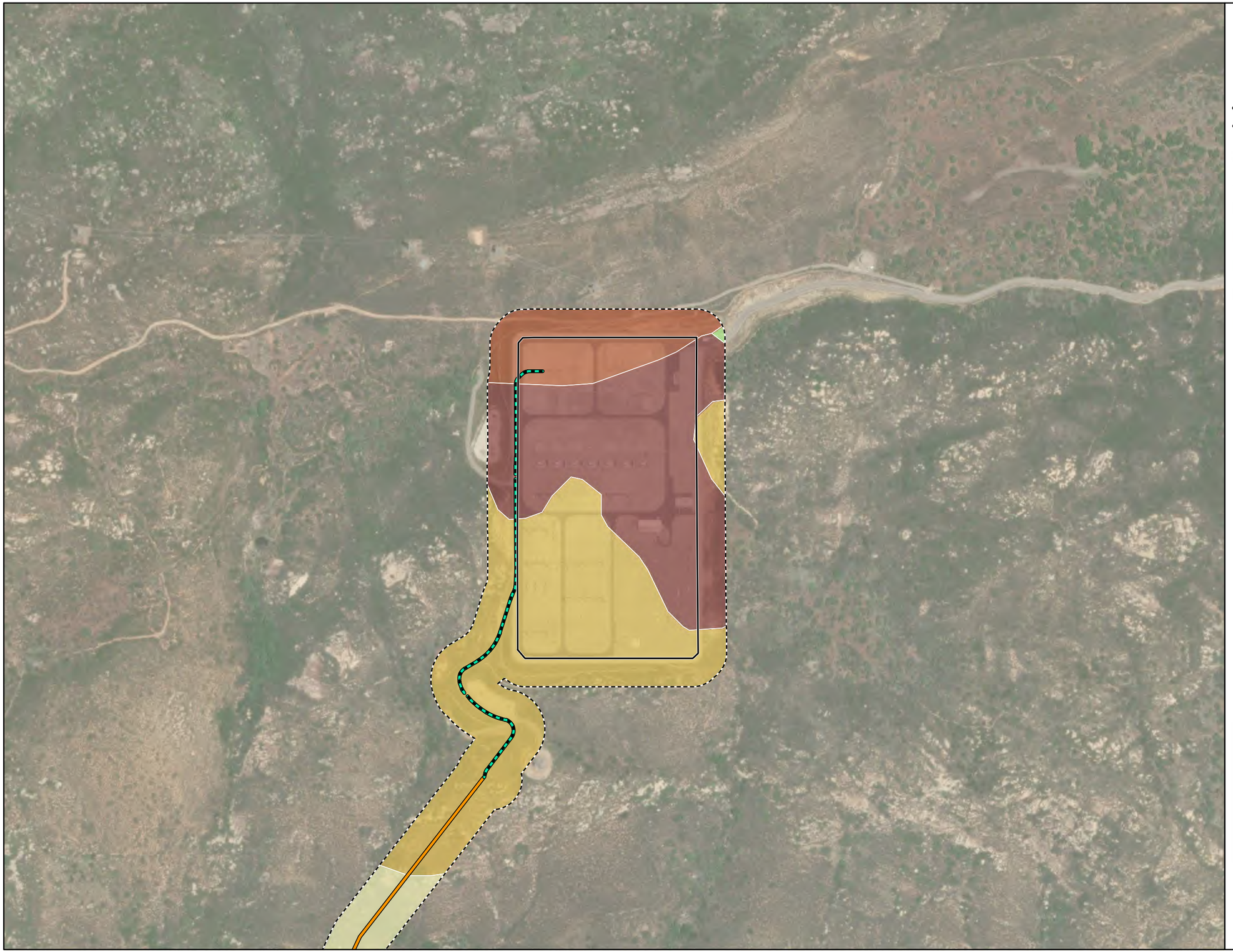


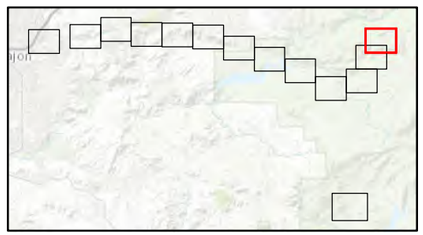
Attachment D:
Soils Map
Map 12 of 14

Suncrest
230 Kilovolt Loop-In Project

- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Existing Suncrest Substation
- Survey Area

Soil Type

- ClG2 - Cieneba coarse sandy loam, 30 to 65 percent slopes, eroded
- CmrG - Cieneba-Rock outcrop complex, 30 to 75 percent slopes, very stony
- FaD2 - Fallbrook sandy loam, 9 to 15 percent slopes, eroded
- FeE - Fallbrook rocky sandy loam, 9 to 30 percent slopes
- FvD - Fallbrook-Vista sandy loams, 9 to 15 percent slopes



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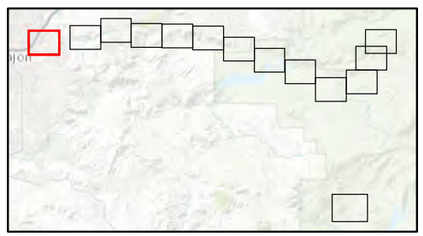
Attachment D:
Soils Map
Map 13 of 14

Suncrest
230 Kilovolt Loop-In Project

Staging Yard
Survey Area

Soil Type

LpD2
PfC
VaC - Visalia sandy loam, 5 to 9 percent slopes



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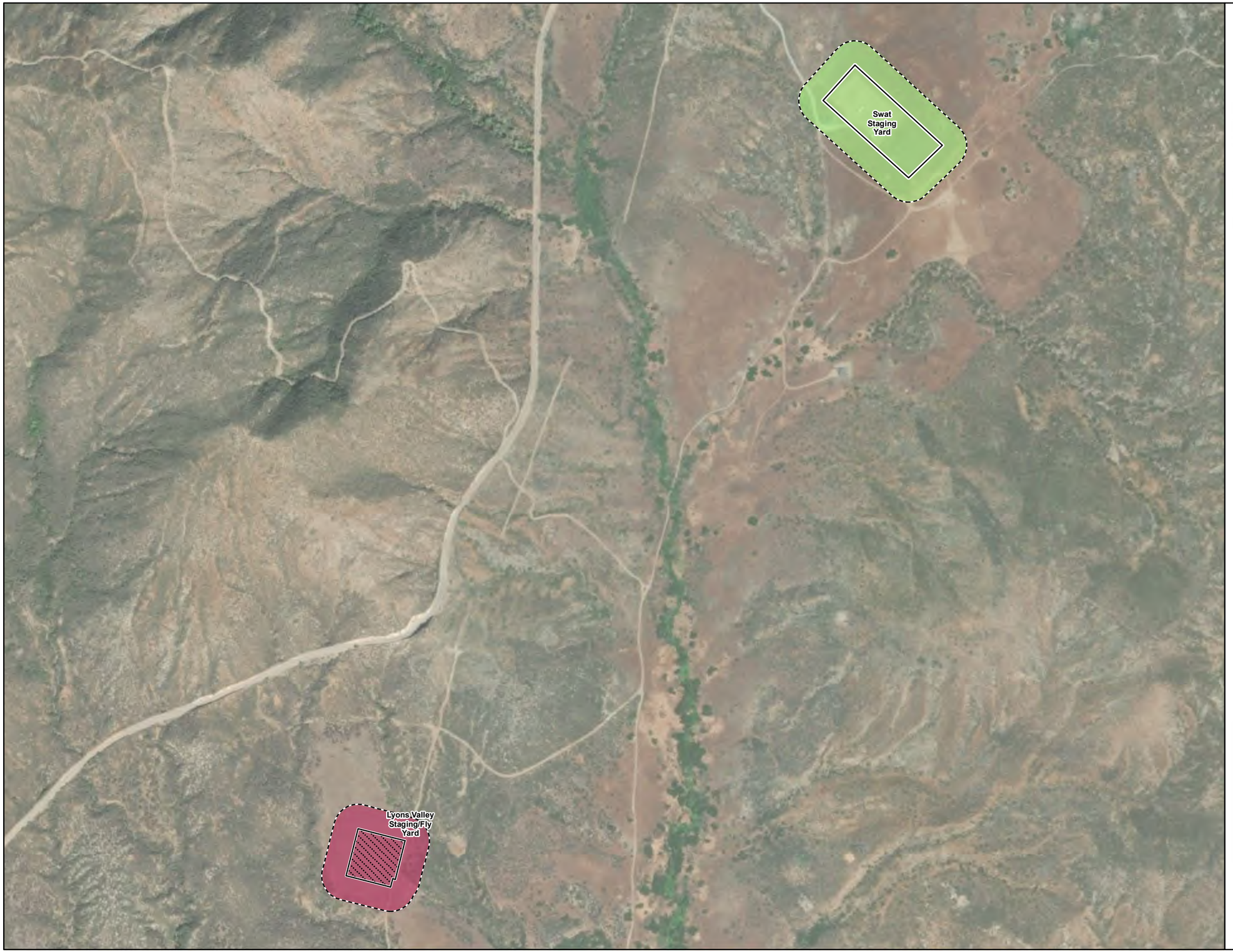


Attachment D:
Soils Map
Map 14 of 14

Suncrest
230 Kilovolt Loop-In Project

Staging Yard

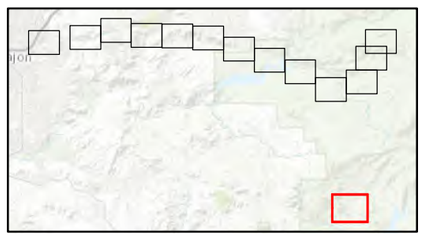
Staging Yard/Fly Yard

Survey Area

Soil Type

FaD2 - Fallbrook sandy loam, 9 to 15 percent slopes, eroded

FaE2 - Fallbrook sandy loam, 15 to 30 percent slopes, eroded



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ATTACHMENT 3.21-A: WILDFIRE MODELING REPORT

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SAN DIEGO GAS & ELECTRIC COMPANY

SUNCREST 230 KILOVOLT LOOP-IN PROJECT

WILDFIRE MODELING REPORT

MARCH 2026

PREPARED FOR:

SDGE™

TABLE OF CONTENTS

1 – INTRODUCTION 1
2 – PROJECT DESCRIPTION 1
2.0 Project Overview 1
2.1 Project Background and Need 1
2.2 Project Objectives and Purpose 1
2.3 Project Location 2
2.4 Project Components 5
2.5 Project Construction 5
2.6 Construction Schedule 6
2.7 Operations and Maintenance 6
3 – WILDFIRE SETTING 6
3.0 High Fire Risk Areas and State Responsibility Areas 6
3.1 Fire Occurrence 9
4 – FIRE RISK 15
4.0 Scott Burgan Fuel Model 15
4.1 Meteorology 15
4.2 Topography 16
5 – VALUES AT RISK 36
5.0 Wildland Urban Interface 36
5.1 Structures 39
5.2 Critical Habitat 40
6 – EVACUATION ROUTES 40
7 – FIRE BEHAVIOR MODELING 40
7.0 Methodology 40
7.1 Results 45
8 – CONCLUSIONS 47
9 – REFERENCES 48

LIST OF FIGURES

Figure 1: Proposed Project Overview Map 3
Figure 2: High Fire Threat Districts Crossed by the Proposed Project 7
Figure 3: Fire Hazard Severity Zones and Fire Protection Responsibility Areas Crossed by the Proposed Project 11
Figure 4: Recent Fires within Three Miles of the Proposed Project 13
Figure 5: Scott Burgan Fire Behavior Fuels 23
Figure 6: Average Daily Air Temperature in Alpine over the Past 10 Years 25
Figure 7: Average Daily Relative Humidity in Alpine over the Past 10 Years 27
Figure 8: Alpine RAWS Wind Rose 29
Figure 9: Topography in the Proposed Project Area 31
Figure 10: CAL FIRE Wildland Urban Interface 37
Figure 11: USFS Wildland Urban Interface 41
Figure 12: Evacuation Routes within One Mile of the Proposed Project 43

LIST OF TABLES

Table 1: Recent Fires within Three Miles of the Proposed Project 10
Table 2: Scott Burgan Surface Fuels Crossed by the Proposed Project 17
Table 3: Monthly Average Temperature in Alpine (degrees Fahrenheit) 33
Table 4: Monthly Average Humidity in Alpine (percent) 34
Table 5: Wind Direction Frequency in the Proposed Project Area (2015-2025) 35

LIST OF ATTACHMENTS

Attachment A: Values at Risk within 1,000 Feet of the Proposed Project
Attachment B: Predicted Rate of Spread During Eight-Mile-Per-Hour Easterly Winds
Attachment C: Predicted Flame Length During Eight-Mile-Per-Hour Easterly Winds
Attachment D: Predicted Rate of Spread During 13-Mile-Per-Hour Southwesterly Winds
Attachment E: Predicted Flame Length During 13-Mile-Per-Hour Southwesterly Winds

1 – INTRODUCTION

The purpose of this Wildfire Modeling Report is to provide an assessment of the fire risk in the area of the San Diego Gas & Electric Company (SDG&E) Suncrest 230 Kilovolt (kV) Loop-In Project (Proposed Project) in accordance with the California Public Utilities Commission's (CPUC's) 2019 Guidelines for Energy Project Applications Requiring California Environmental Quality Act Compliance.

2 – PROJECT DESCRIPTION

2.0 PROJECT OVERVIEW

The Proposed Project will involve the installation of a double-circuit 230 kV transmission line (proposed 230 kV transmission line), as well as modifications to an existing SDG&E substation (i.e., the Suncrest Substation).

2.1 PROJECT BACKGROUND AND NEED

The California Independent System Operator (CAISO) 2022-2023 Transmission Plan identified the need for the Proposed Project to upgrade the California electric grid to accommodate load growth. The Proposed Project will address CAISO-identified reliability constraints (i.e., operational challenges and thermal overloads) on SDG&E's existing Transmission Line (TL) 23054 and TL23055 from SDG&E's existing Suncrest Substation to the existing Sycamore Canyon Substation, as well as the existing transformers at the existing Suncrest Substation. In addition, the Proposed Project will help supply the increase in forecasted load related to regional electrification. Based on the long-term planning assessments, higher continuous ratings are required for the 230 kV transmission lines out of the existing Suncrest Substation to handle the existing and future load conditions.

2.2 PROJECT OBJECTIVES AND PURPOSE

The primary objective or purpose of the Proposed Project is to address operational challenges and thermal overloads on SDG&E's existing transmission lines from the existing Suncrest Substation to the existing Sycamore Canyon Substation, as well as the existing transformers at the existing Suncrest Substation, as identified by CAISO in the 2022-2023 Transmission Plan. More specifically, the Proposed Project includes the following objectives:

- meet SDG&E's obligation to implement the CAISO-approved project;
- improve system reliability for SDG&E's approximately 3.7 million energy customers as well as the electrical grid as a whole;
- increase capacity to meet the forecasted load demands related to electrification;
- address operational challenges and thermal overloads on SDG&E's existing transmission lines (i.e., TL23054 and TL23055);

- address operational challenges and thermal overloads on existing transformers at SDG&E's existing Suncrest Substation;
- achieve commercial operation by 2032 to timely address critical reliability issues within the transmission system;
- locate the Proposed Project on land adjacent to SDG&E's existing right-of-way or existing utility uses, or otherwise minimize environmental impacts in a manner consistent with prudent transmission planning to the extent practicable;
- construct, operate, and maintain the facility with safety as a top priority;
- maintain compliance with North American Electric Reliability Corporation standards; and
- avoid or mitigate significant adverse impacts to both the environment and community to achieve a project that is designed for the greatest public good and least private injury.

2.3 PROJECT LOCATION

As depicted in Figure 1: Proposed Project Overview Map, the Proposed Project will cross unincorporated communities within San Diego County, California, including private parcels and open space easements. In addition, the Proposed Project will traverse land managed and/or owned by the County of San Diego, United States (U.S.) Forest Service (USFS) (i.e., Cleveland National Forest [CNF]), Sweetwater Authority, Endangered Habitats Conservancy, and California Department of Fish and Wildlife. One proposed staging yard will be located in the City of El Cajon.

The western end of the Proposed Project route will begin on Vista De Montemar in unincorporated San Diego County in an underground configuration. The route will continue southeast on Vista De Montemar until reaching La Cresta Road. From there, the route will turn east onto La Cresta Road and continue in an easterly direction until reaching Mountain View Road. The route will continue in a northeasterly direction on Mountain View Road until turning south onto Al Bahr Road. The route will continue on Al Bahr Road until turning east onto Canyon Rim Drive. Following Canyon Rim Drive, the route will continue southeast until reaching cross-country terrain, where it will switch to an overhead configuration, first entering land owned by Sweetwater Authority and then entering the CNF. The route will continue through the CNF in a northeasterly direction, switch back to an underground configuration just southwest of the existing Suncrest Substation and then loop into and terminate at the existing Suncrest Substation.

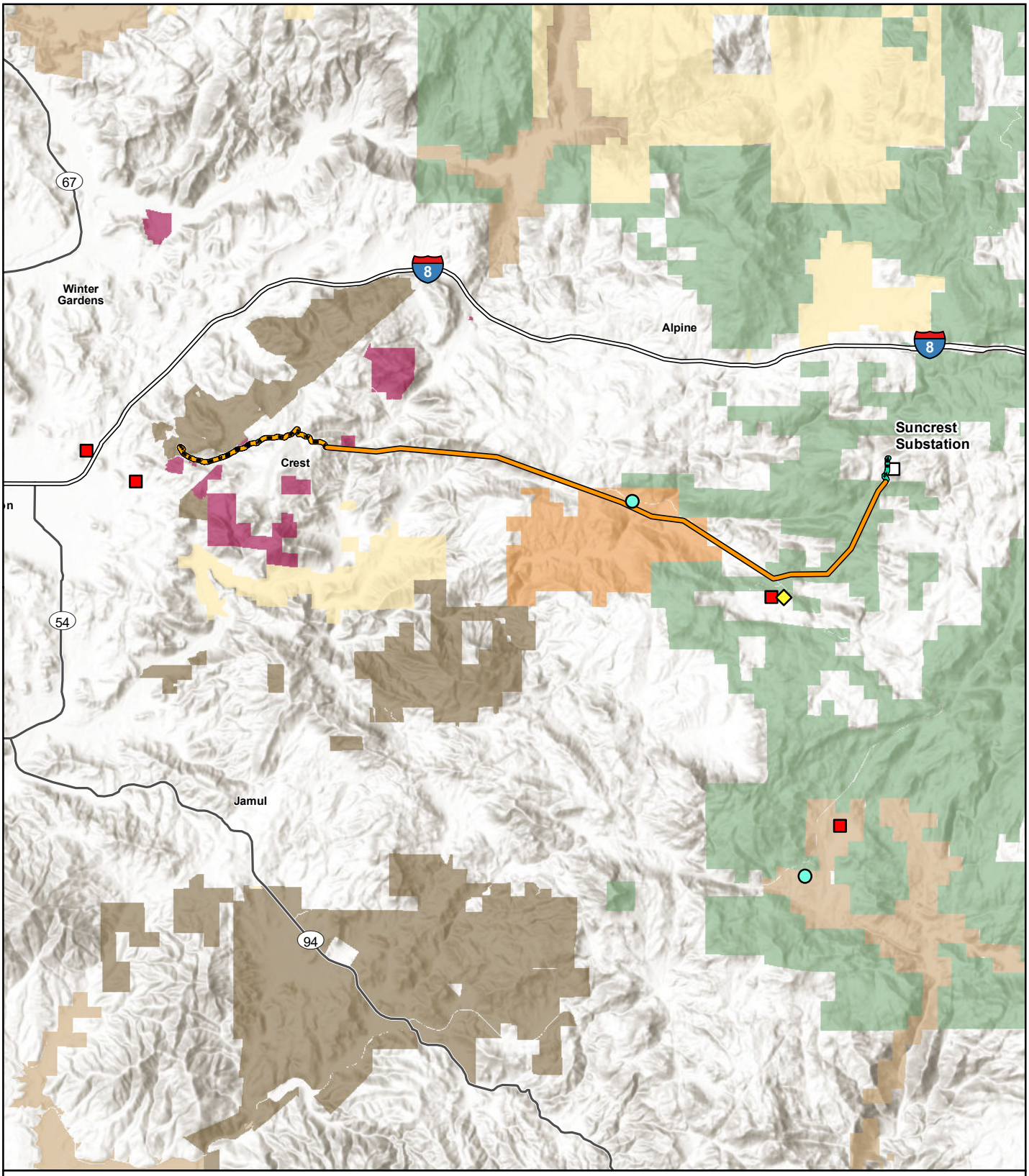

Figure 1: Proposed Project Overview Map — **Suncrest 230 Kilovolt Loop-In Project**

- Existing Suncrest Substation
- Fly Yard
- Staging Yard
- Staging/Fly Yard
- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Proposed 230 kV Western UG Segment
- Interstate
- Major Road/State Highway

Landownership

- California Department of Fish and Wildlife
- City of San Diego
- United States Forest Service
- Endangered Habitats Conservancy
- Sweetwater Authority
- Bureau of Indian Affairs

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2.4 PROJECT COMPONENTS

The Proposed Project includes the following main components:

- Construction of a proposed approximately 14.5 mile-long, double-circuit 230 kV transmission line segment consisting of overhead and underground configurations as described previously to loop-in SDG&E's existing TL23021 to the Suncrest Substation.

- Modifications to the existing Suncrest Substation, which include the following:

  - installation of a 500/230 kV transformer bank and associated tertiary reactors, circuit breakers, disconnects, and communication equipment; and
  - construction of a 230 kV bay to accommodate the loop-in of TL23021 to the existing Suncrest Substation.

2.5 PROJECT CONSTRUCTION

The overhead portions of the transmission line will first require permanent access roads, permanent walking paths, or permanent helicopter takeoff and landing zones to be established at each structure location where current access does not exist. In addition, each structure location will require a temporary work area to facilitate construction, as well as a permanent work area to accommodate the permanent footprint of the structure. This process will involve vegetation clearing and blading, as required to create a flat area to facilitate construction. For the overhead structures, one or more foundations for each structure will be constructed prior to the erection of tower structures or monopoles. Lastly, the conductors and optical ground wires will be strung along the transmission line alignment. Following construction, a portion of land surrounding the proposed structures and some access roads will remain clear of vegetation to facilitate future operation and maintenance (O&M).

The underground portion of the transmission line will include the installation of duct banks and utility vaults using open-cut trenching techniques, unless alternate methods (e.g., horizontal directional drilling) are required to cross existing facilities or sensitive resources. After installation of the duct banks, cable segments will be pulled into the duct banks, spliced at each of the vaults along the route as required, and terminated at the transition where the lines convert to overhead. At each end of the proposed 230 kV underground segment, the cables will rise out of the ground and terminate at cable poles to connect to the overhead portions of the transmission line. Following the completion of construction activities, the open trenches will subsequently be backfilled, paved or returned to pre-existing grade and contours, as practicable. Restoration activities will be conducted in accordance with negotiated agreements with landowners and in compliance with applicable permits.

Modifications to the existing Suncrest Substation will be conducted within the existing substation property and will not require expansion of the facility. Following the completion of the modifications at the substation, testing and commissioning will be conducted before energization.

The Proposed Project will also require the establishment of temporary staging/fly yards, temporary stringing sites, temporary guard structures, and temporary construction work areas for use during construction. All temporarily impacted areas will be restored to near pre-construction grade and contours as practicable after work is complete. Restoration activities will be conducted in accordance with negotiated agreements with landowners and in compliance with applicable permits.

2.6 CONSTRUCTION SCHEDULE

Construction is anticipated to occur in two phases: construction of the proposed 230 kV transmission line and modifications to the existing Suncrest Substation. Construction of the proposed 230 kV transmission line is anticipated to begin in 2027. Modifications to the existing Suncrest Substation are anticipated to begin in 2028. Construction is anticipated to occur year-round or as authorized by permits and authorizations. Per the CAISO technical specifications, the Proposed Project is required to be energized by 2032.

2.7 OPERATIONS AND MAINTENANCE

SDG&E will conduct ongoing O&M of all Proposed Project components. These planned activities will involve regular inspections of facilities, repairs on an as-needed basis, and the maintenance of transmission line rights-of-way. O&M will be incorporated into SDG&E's existing programs with existing equipment, experienced staff, and contractors. SDG&E's local maintenance/technical staff and outside resources will respond to maintenance issues and emergency situations.

3 – WILDFIRE SETTING

3.0 HIGH FIRE RISK AREAS AND STATE RESPONSIBILITY AREAS

The CPUC High Fire Threat District (HFTD) classifications identify fire threat areas with a higher risk of fires associated with utilities. Tier 1 HFTDs are zones near communities, roads, and utility lines and can be a direct threat to public safety. Tier 2 HFTDs are areas of elevated risk from utility-related wildfires, and Tier 3 HFTDs are areas of extreme risk from utility-related wildfires. The Proposed Project will cross both CPUC Tier 2 and Tier 3 HFTDs, as shown in Figure 2: High Fire Threat Districts Crossed by the Proposed Project. The proposed 230 kV overhead (OH) segment, proposed 230 kV eastern underground (UG) segment, proposed High Glen Staging Yard, proposed High Glen Fly Yard, proposed Swat Yard, proposed Lyons Valley Staging/Fly Yard, proposed Sweetwater Staging/Fly Yard, and existing Suncrest Substation will be located in a Tier 3 HFTD. The proposed 230 kV western UG segment will be located in a Tier 2 HFTD. The proposed Hospital Staging Yard and proposed Greenfield Staging Yard will not be located in a HFTD.

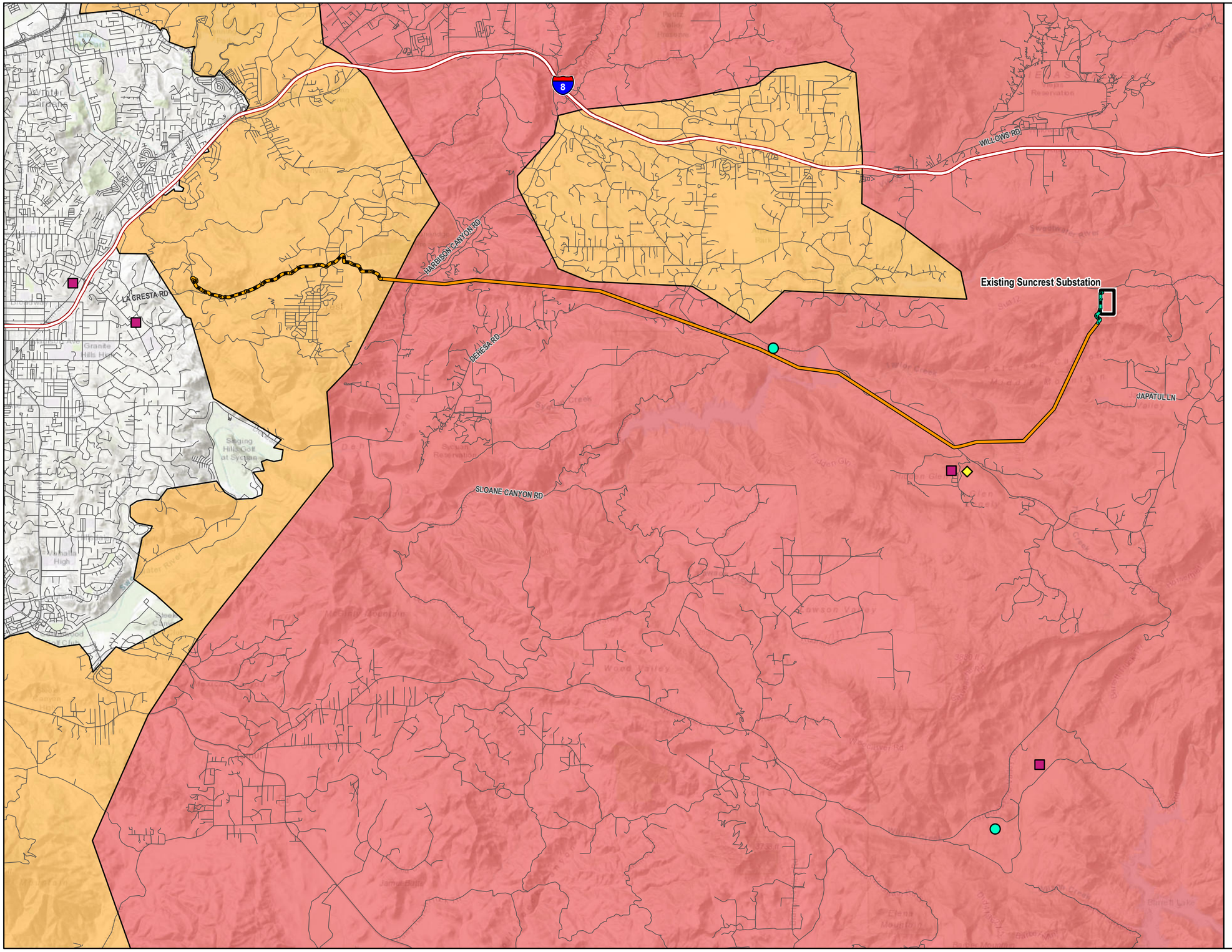

Figure 2: High Fire Threat Districts Crossed by the Proposed Project

Suncrest
230 Kilovolt Loop-In Project

- Highway
- Road
- Fly Yard
- Staging Yard
- Staging/Fly Yard
- Existing Suncrest Substation
- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Proposed 230 kV Western UG Segment

California Public Utilities Commission

- Tier 2
- Tier 3

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In addition to the CPUC HFTD classifications, the California Department of Forestry and Fire Protection (CAL FIRE) identifies Fire Hazard Severity Zones (FHSZs), which specify the risk of wildfires for all fire-prone areas in the state, regardless of landownership or responsibility. The Proposed Project will cross the Very High FHSZ, as depicted in Figure 3: Fire Hazard Severity Zones and Fire Protection Responsibility Areas Crossed by the Proposed Project. The proposed Greenfield Staging Yard will be located in Very High, High, and Moderate FHSZs. The proposed High Glen Staging Yard, proposed High Glen Fly Yard, proposed Lyons Valley Staging/Fly Yard, proposed Sweetwater Staging/Fly Yard, and proposed Swat Staging Yard will be located in a Very High FHSZ. The proposed Hospital Staging Yard will not be located in an FHSZ.

The Board of Forestry and Fire Protection classifies lands into Fire Protection Responsibility Areas. The Responsibility Areas determine who has financial responsibility for the wildland fire protection and prevention in an area. The distinguishing factors are as follows:

- Federal Responsibility Areas (FRAs): The USFS, Bureau of Land Management (BLM), Bureau of Indian Affairs, U.S. Fish and Wildlife Service (USFWS), and National Park Service are financially responsible. FRA lands are usually state parks, BLM-managed land, or other lands under the jurisdiction of the federal agencies listed.

- State Responsibility Areas (SRAs): CAL FIRE is financially responsible. Incorporated cities and federal ownership are excluded.

- Local Responsibility Areas (LRAs): The local government (e.g., city fire departments, fire protection districts, counties, and CAL FIRE under contract) is financially responsible. LRAs are incorporated cities, urban regions, agriculture lands, and some portions of the desert.

The Proposed Project route will cross an SRA and an FRA, as shown in Figure 3: Fire Hazard Severity Zones and Fire Protection Responsibility Areas Crossed by the Proposed Project. The proposed Greenfield Staging Yard, proposed Swat Staging Yard, proposed High Glen Staging Yard, proposed High Glen Fly Yard, proposed Lyons Valley Staging/Fly Yard, and proposed Sweetwater Staging/Fly Yard will be located in an SRA; and the proposed Hospital Staging Yard will be located in an LRA.

3.1 FIRE OCCURRENCE

Recent (within the last 10 years) fires that occurred within the Proposed Project vicinity are summarized in Table 1: Recent Fires within Three Miles of the Proposed Project and shown in Figure 4: Recent Fires within Three Miles of the Proposed Project. CAL FIRE has not documented any fires within three miles of the Proposed Project since July 2022.

Table 1: Recent Fires within Three Miles of the Proposed Project

Name	Date	Ignition Source	Ignition Location	Approximate Area Burned (acres)	Approximate Distance from the Proposed Project (miles)
Harbison 2	7/12/2022	Equipment Use	Not Specified	26.9	0.8
Bambi	8/11/2021	Campfire	Not Specified	7.5	3.0
Road	7/10/2021	Equipment Use	Not Specified	83.6	2.8
Valley	9/05/2020	Unknown/ Unidentified	Unknown/ Unidentified	16,389.8	Crossed by the proposed Swat Staging Yard
Dehesa 11	9/24/2019	Unknown/ Unidentified	Unknown/ Unidentified	225.6	2.1
Dehesa 8	7/28/2019	Unknown/ Unidentified	Unknown/ Unidentified	141.6	1.7
Vista 5	7/17/2019	Unknown/ Unidentified	Unknown/ Unidentified	16.7	1.1
West	7/06/2018	Equipment Use	Not Specified	505.4	1.6
Jennings 2	7/11/2017	Vehicle	Not Specified	332.6	2.2
Sloane	6/27/2017	Miscellaneous	Not Specified	13.9	2.4
Greenfield	6/09/2017	Unknown/ Unidentified	Unknown/ Unidentified	13.0	0.9
Dehesa 5	6/04/2017	Unknown/ Unidentified	Unknown/ Unidentified	12.2	2.1

Source: CAL FIRE 2025

Figure 3: Fire Hazard Severity Zones and Fire Protection Responsibility Areas Crossed by the Proposed Project

Suncrest
230 Kilovolt Loop-In Project

- Fly Yard
- Staging Yard
- Staging/Fly Yard
- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Proposed 230 kV Western UG Segment
- Existing Suncrest Substation
- 1-Mile Buffer

Fire Protection Responsibility Areas

- Federal Responsibility Area (FRA)
- Local Responsibility Area (LRA)
- State Responsibility Area (SRA)

Fire Hazard Severity Zones in SRA

- Very High
- High
- Moderate

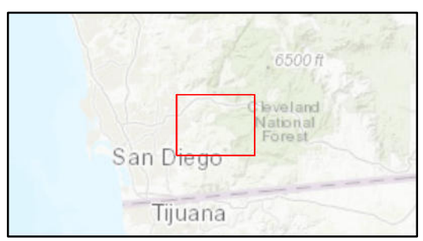

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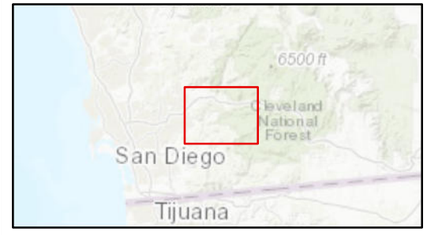
Figure 4:
Recent Fires within Three Miles of the Proposed Project

Suncrest
230 Kilovolt Loop-In Project

- Fly Yard
- Staging Yard
- Staging/Fly Yard
- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Proposed 230 kV Western UG Segment
- Existing Suncrest Substation
- 3-Mile Buffer

Historic Fires

- 2022 Harbison 2 Fire
- 2021 Bambi Fire
- 2021 Road Fire
- 2020 Valley Fire
- 2019 Dehesa 11 Fire
- 2019 Dehesa 8 Fire
- 2019 Vista 5 Fire
- 2018 West Fire
- 2017 Jennings 2 Fire
- 2017 Sloane Fire
- 2017 Greenfield Fire
- 2017 Dehesa 5 Fire



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4 – FIRE RISK

4.0 SCOTT BURGAN FUEL MODEL

The Scott Burgan Fuel Model identifies distinct distributions of fuel loading found among surface fuel components (live and dead), size classes, and fuel types (LANDFIRE 2025). Fuel types include the following:

- Grass (GR)
- Grass-Shrub (GS)
- Nonburnable (NB)
- Shrub (SH)
- Slash-Blowdown (SB)
- Timber Litter (TL)
- Timber-Understory (TU)

Figure 5: Scott Burgan Fire Behavior Fuels displays the surface fuels crossed by the Proposed Project. As summarized in Table 2: Scott Burgan Surface Fuels Crossed by the Proposed Project, the Proposed Project will cross the following dominant fuel types:

- The proposed 230 kV western UG segment will cross Urban/Developed (NB1).
- The proposed 230 kV eastern UG segment will cross Moderate load, dry climate grass-shrub (GS2).
- The proposed 230 kV OH segment will cross Moderate load, dry climate grass-shrub (GS2) and High load, dry climate shrub (SH5).
- The proposed Hospital Staging Yard is predominantly located on the Urban/Developed (NB1) fuel type.
- The proposed Greenfield Staging Yard is predominantly located on the Short, sparse dry climate grass (GR1) and Low-load, dry climate grass (GR2) fuel types.
- The proposed Sweetwater Staging/Fly Yard is predominantly located on the Moderate load, dry climate grass-shrub (GS2) fuel type.
- The proposed High Glen Staging Yard is predominantly located on the Moderate load, dry climate grass-shrub (GS2) fuel type.
- The proposed High Glen Fly Yard is predominantly located on the Moderate load, dry climate grass-shrub (GS2) and High load, dry climate shrub (SH5) fuel types.
- The proposed Swat Staging Yard is predominantly located on the Low load, dry climate grass-shrub (GS1) fuel type.
- The proposed Lyons Valley Staging/Fly Yard is predominantly located on the Low-load, dry climate grass (GR2) fuel type.
- The existing Suncrest Substation is predominately located on the Bare Ground (NB9) fuel type.

4.1 METEOROLOGY

The Alpine Remote Automated Weather Station (RAWS) is approximately two miles north of the Proposed Project center. Figure 6: Average Daily Air Temperature in Alpine over the Past

10 Years displays the daily average air temperature recorded at the Alpine RAWS over the past 10 years. As summarized in Table 3: Monthly Average Temperature in Alpine (degrees Fahrenheit), the average annual temperature is 63 degrees Fahrenheit. Figure 7: Average Daily Relative Humidity in Alpine over the Past 10 Years displays the daily average humidity recorded at the Alpine RAWS over the past 10 years. As summarized in Table 4: Monthly Average Humidity in Alpine (percent), the average annual humidity is 50 percent.

Figure 8: Alpine RAWS Wind Rose displays the average wind speed and direction recorded at the Alpine RAWS between May 1, 2015 and May 1, 2025. As shown in Figure 8: Alpine RAWS Wind Rose, winds from the east, east-southeast, southwest, and west-southwest are the most dominant in the Proposed Project Area. As summarized in Table 5: Wind Direction Frequency in the Proposed Project Area (2015-2025), the following wind directions were recorded:

- east approximately 18 percent of the time,
- east-southeast approximately 14 percent of the time,
- southwest approximately 15 percent of the time, and
- west-southwest approximately 14 percent of the time.

Winds did not blow more than 10 percent of the time from any other direction. Winds from the east and east-southeast were typically between four and eight miles per hour (mph), and winds from the southwest and west-southwest were typically between four and 13 mph (RAWS Climate Archive 2025).

4.2 TOPOGRAPHY

SDG&E's existing Suncrest Substation is at an elevation of 3,057 feet above mean sea level (AMSL). As portrayed in Figure 9: Topography in the Proposed Project Area, the proposed 230 kV western UG segment is located on land ranging in elevation from 1,081 to 1,625 feet AMSL. The proposed 230 kV eastern UG segment is located on land ranging in elevation from 2,950 to 3,057 feet AMSL. The proposed 230 kV OH segment is located on land ranging in elevation from 749 to 2,955 feet AMSL.

Table 2: Scott Burgan Surface Fuels Crossed by the Proposed Project

Fuel Type Symbol	Fuel Type Name	Description	Spread Rate[1]	Flame Length[2]	Extinction Moisture Content (percent)[3]	Approximate Percentage Crossed by the Proposed Project[4]
Proposed 230 kV Western UG Segment						
GS1	Low load, dry climate grass-shrub	The primary carrier of fire in GS1 is grass and shrubs combined. Shrubs are approximately one foot high.	Moderate	Low	15	1.4
GS2	Moderate load, dry climate grass-shrub	The primary carrier of fire in GS2 is grass and shrubs combined. Shrubs are one to three feet high.	High	Moderate	15	5.2
NB1	Urban/Developed	NB1 consists of land covered by urban and suburban development.	No fire spread expected	--	--	91.4
SH5	High load, dry climate shrub	The primary carrier of fire in SH5 is woody shrubs and shrub litter. SH5 has a heavy shrub load with a depth of four to six feet.	Very High	Very High	15	1.9
Proposed 230 kV OH Segment						
GR1	Short, sparse, dry climate grass	The primary carrier of fire in GR1 is sparse grass, though small amounts of fine dead fuel may be present. The grass in GR1 is generally short, either naturally or by grazing, and may be sparse or discontinuous.	Low	Low	15	0.4
GR2	Low load, dry climate grass	The primary carrier of fire in GR2 is grass, though small amounts of fine dead fuel may be present.	High	Moderate	15	0.6
GS1	Low load, dry climate grass-shrub	The primary carrier of fire in GS1 is grass and shrubs combined. Shrubs are approximately one foot high.	Moderate	Low	15	0.3
GS2	Moderate load, dry climate grass-shrub	The primary carrier of fire in GS2 is grass and shrubs combined. Shrubs are one to three feet high.	High	Moderate	15	45.3

Fuel Type Symbol	Fuel Type Name	Description	Spread Rate[1]	Flame Length[2]	Extinction Moisture Content (percent)[3]	Approximate Percentage Crossed by the Proposed Project[4]
GS3	Moderate load, humid climate grass-shrub	The primary carrier of fire in GS3 is grass and shrubs combined. The average grass/shrub depth is less than two feet.	High	Moderate	40	2.7
NB1	Urban/Developed	NB1 consists of land covered by urban and suburban development.	No fire spread expected	--	--	5.2
NB9	Bare Ground	Land devoid of enough fuel to support wildland fire spread is covered by NB9.	No fire spread expected	--	--	0.5
SH5	High load, dry climate shrub	The primary carrier of fire in SH5 is woody shrubs and shrub litter. SH5 has a heavy shrub load with a depth of four to six feet.	Very High	Very High	15	44.4
TL3	Moderate load conifer litter	The primary carrier of fire in TL3 is moderate load conifer litter, light load of coarse fuels.	Very Low	Low	20	0.2
TL6	Moderate load broadleaf litter	The primary carrier of fire in TL6 is moderate load broadleaf litter.	Moderate	Low	25	0.2
TU3	Moderate load, humid climate timber-grass-shrub	The primary carrier of fire in TU3 is moderate forest litter with grass and shrub components.	High	Moderate	30	0.2
Proposed 230 kV Eastern UG Segment						
GS1	Low load, dry climate grass-shrub	The primary carrier of fire in GS1 is grass and shrubs combined. Shrubs are approximately one foot high.	Moderate	Low	15	5.9
GS2	Moderate load, dry climate grass-shrub	The primary carrier of fire in GS2 is grass and shrubs combined. Shrubs are one to three feet high.	High	Moderate	15	46.0

Fuel Type Symbol	Fuel Type Name	Description	Spread Rate[1]	Flame Length[2]	Extinction Moisture Content (percent)[3]	Approximate Percentage Crossed by the Proposed Project[4]
NB1	Urban/Developed	NB1 consists of land covered by urban and suburban development.	No fire spread expected	--	--	17.4
NB9	Bare Ground	NB9 covers land devoid of enough fuel to support wildland fire spread.	No fire spread expected	--	--	3.9
SH5	High load, dry climate shrub	The primary carrier of fire in SH5 is woody shrubs and shrub litter. SH5 has a heavy shrub load with a depth of four to six feet.	Very High	Very High	15	26.7
Proposed Hospital Staging Yard						
GR1	Short, sparse dry climate grass	The primary carrier of fire in GR1 is sparse grass, though small amounts of fine dead fuel may be present. The grass in GR1 is generally short, either naturally or by grazing, and may be sparse or discontinuous.	Low	Low	15	0.1
NB1	Urban/Developed	NB1 consists of land covered by urban and suburban development.	No fire spread expected	--	--	99.9
Proposed Greenfield Staging Yard						
GR1	Short, sparse dry climate grass	The primary carrier of fire in GR1 is sparse grass, though small amounts of fine dead fuel may be present. The grass in GR1 is generally short, either naturally or by grazing, and may be sparse or discontinuous.	Low	Low	15	31.7
GR2	Low load, dry climate grass	The primary carrier of fire in GR2 is grass, though small amounts of fine dead fuel may be present.	High	Moderate	15	35.8

Fuel Type Symbol	Fuel Type Name	Description	Spread Rate[1]	Flame Length[2]	Extinction Moisture Content (percent)[3]	Approximate Percentage Crossed by the Proposed Project[4]
GS1	Low load, dry climate grass-shrub	The primary carrier of fire in GS1 is grass and shrubs combined. Shrubs are approximately one foot high.	Moderate	Low	15	23.6
GS2	Moderate load, dry climate grass-shrub	The primary carrier of fire in GS2 is grass and shrubs combined. Shrubs are one to three feet high.	High	Moderate	15	2.7
NB1	Urban/Developed	NB1 consists of land covered by urban and suburban development.	No fire spread expected	--	--	6.2
Proposed Sweetwater Staging/Fly Yard						
GS2	Moderate load, dry climate grass-shrub	The primary carrier of fire in GS2 is grass and shrubs combined. Shrubs are one to three feet high.	High	Moderate	15	69.2
NB1	Urban/Developed	NB1 consists of land covered by urban and suburban development.	No fire spread expected	--	--	30.8
Proposed High Glen Staging Yard						
GS2	Moderate load, dry climate grass-shrub	The primary carrier of fire in GS2 is grass and shrubs combined. Shrubs are one to three feet high.	High	Moderate	15	90.1
NB1	Urban/Developed	NB1 consists of land covered by urban and suburban development.	No fire spread expected	--	--	6.8
SH5	High load, dry climate shrub	The primary carrier of fire in SH5 is woody shrubs and shrub litter. SH5 has a heavy shrub load with a depth of four to six feet.	Very High	Very High	15	3.1
Proposed High Glen Fly Yard						
GS2	Moderate load, dry climate grass-shrub	The primary carrier of fire in GS2 is grass and shrubs combined. Shrubs are one to three feet high.	High	Moderate	15	49.4

Fuel Type Symbol	Fuel Type Name	Description	Spread Rate[1]	Flame Length[2]	Extinction Moisture Content (percent)[3]	Approximate Percentage Crossed by the Proposed Project[4]
GR2	Low load, dry climate grass	The primary carrier of fire in GR2 is grass, though small amounts of fine dead fuel may be present.	High	Moderate	15	10.3
SH5	High load, dry climate shrub	The primary carrier of fire in SH5 is woody shrubs and shrub litter. SH5 has a heavy shrub load with a depth of four to six feet.	Very High	Very High	15	40.3
Proposed Swat Staging Yard						
GR1	Short, sparse dry climate grass	The primary carrier of fire in GR1 is sparse grass, though small amounts of fine dead fuel may be present. The grass in GR1 is generally short, either naturally or by grazing, and may be sparse or discontinuous.	Low	Low	15	11.2
GR2	Low load, dry climate grass	The primary carrier of fire in GR2 is grass, though small amounts of fine dead fuel may be present.	High	Moderate	15	9.7
GS1	Low load, dry climate grass-shrub	The primary carrier of fire in GS1 is grass and shrubs combined. Shrubs are approximately one foot high.	Moderate	Low	15	51.5
NB1	Urban/Developed	NB1 consists of land covered by urban and suburban development.	No fire spread expected	--	--	1.1
SH2	Moderate load, dry climate shrub	The primary carrier of fire in SH2 is woody shrubs and shrub litter. SH2 has a moderate fuel load with a depth of one foot.	Low	Low	15	26.6
Proposed Lyons Valley Staging/Fly Yard						
GR2	Low load, dry climate grass	The primary carrier of fire in GR2 is grass, though small amounts of fine dead fuel may be present.	High	Moderate	15	79.1

Fuel Type Symbol	Fuel Type Name	Description	Spread Rate[1]	Flame Length[2]	Extinction Moisture Content (percent)[3]	Approximate Percentage Crossed by the Proposed Project[4]
GS1	Low load, dry climate grass-shrub	The primary carrier of fire in GS1 is grass and shrubs combined. Shrubs are approximately one foot high.	Moderate	Low	15	20.8
GS2	Moderate load, dry climate grass-shrub	The primary carrier of fire in GS2 is grass and shrubs combined. Shrubs are one to three feet high.	High	Moderate	15	0.1
Existing Suncrest Substation						
GS1	Low load, dry climate grass-shrub	The primary carrier of fire in GS1 is grass and shrubs combined. Shrubs are approximately one foot high.	Moderate	Low	15	0.2
GS2	Moderate load, dry climate grass-shrub	The primary carrier of fire in GS2 is grass and shrubs combined. Shrubs are one to three feet high.	High	Moderate	15	6.5
NB1	Urban/Developed	NB1 consists of land covered by urban and suburban development.	No fire spread expected	--	--	10.9
NB9	Bare Ground	NB9 covers land devoid of enough fuel to support wildland fire spread.	No fire spread expected	--	--	82.3
SH5	High load, dry climate shrub	The primary carrier of fire in SH5 is woody shrubs and shrub litter. SH5 has a heavy shrub load with a depth of four to six feet.	Very High	Very High	15	< 0.1

Source: Burgan and Scott 2005

Notes:

[1] The speed at which a fire moves away from the site of origin (National Wildfire Coordinating Group [NWCG] 2025a).

[2] The distance measured from the tip of the flame to the middle of the flaming zone at the surface (National Oceanic Atmospheric Administration [NOAA] 2025).

[3] The weighted average dead fuel moisture content at which the fire spread model predicts spread will not take place.

[4] Due to rounding, totals may not equal 100 percent.

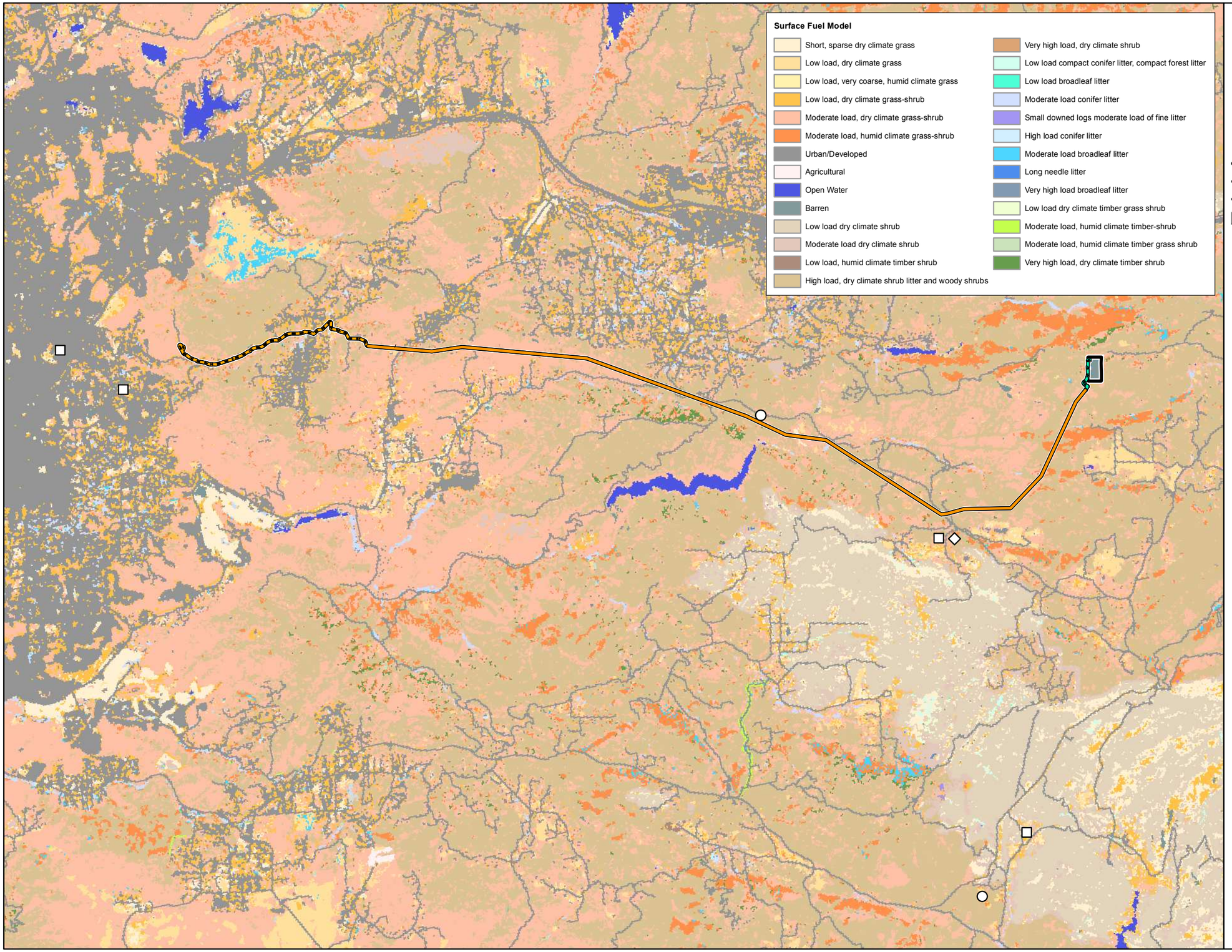

Figure 5:
Scott Burgan Fire Behavior Fuels

Suncrest
230 Kilovolt Loop-In Project

- Fly Yard
- Staging Yard
- Staging/Fly Yard
- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Proposed 230 kV Western UG Segment
- Existing Suncrest Substation

1:80,000
0 1 2 Miles

SDGE

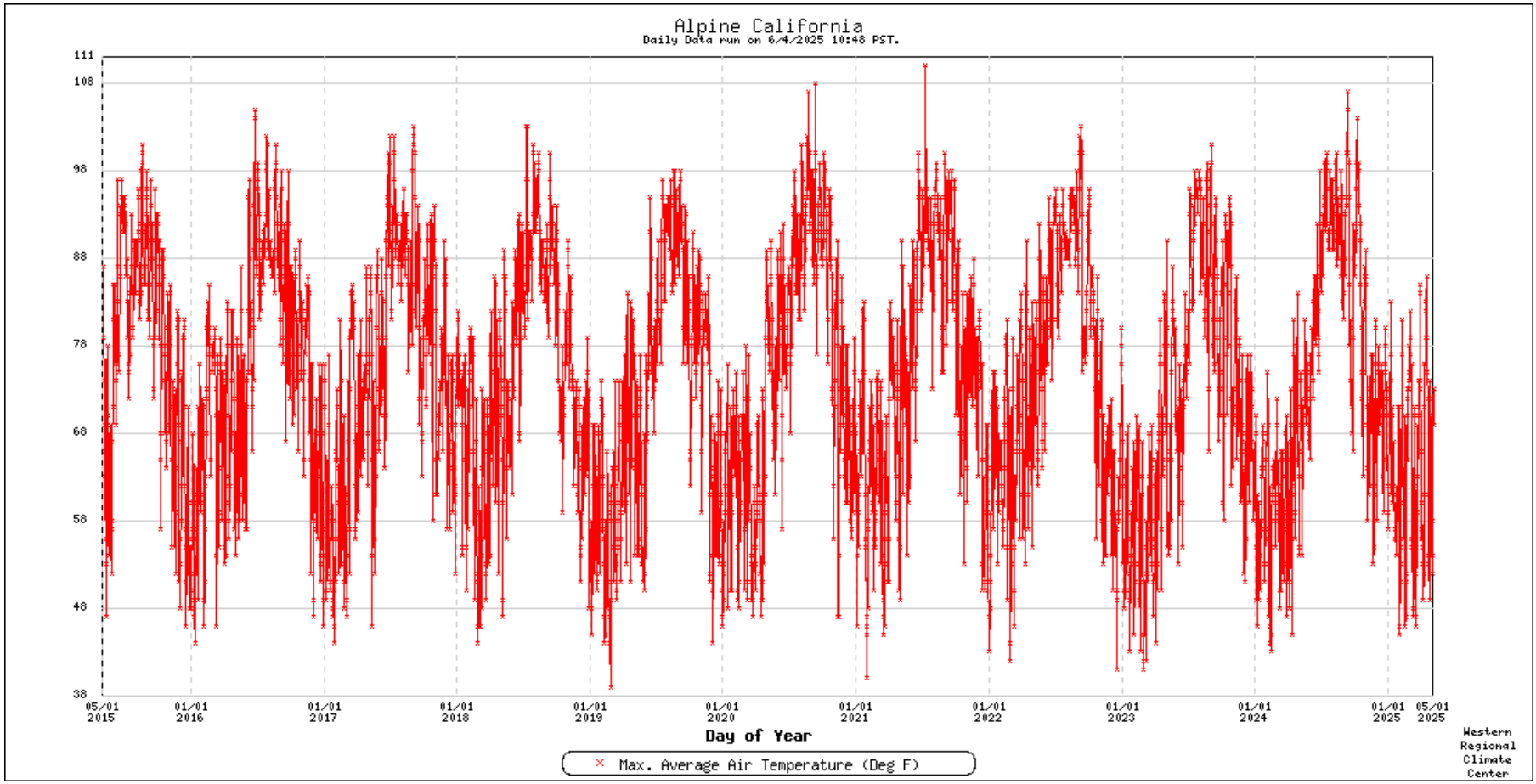

Figure 6: Average Daily Air Temperature in Alpine over the Past 10 Years

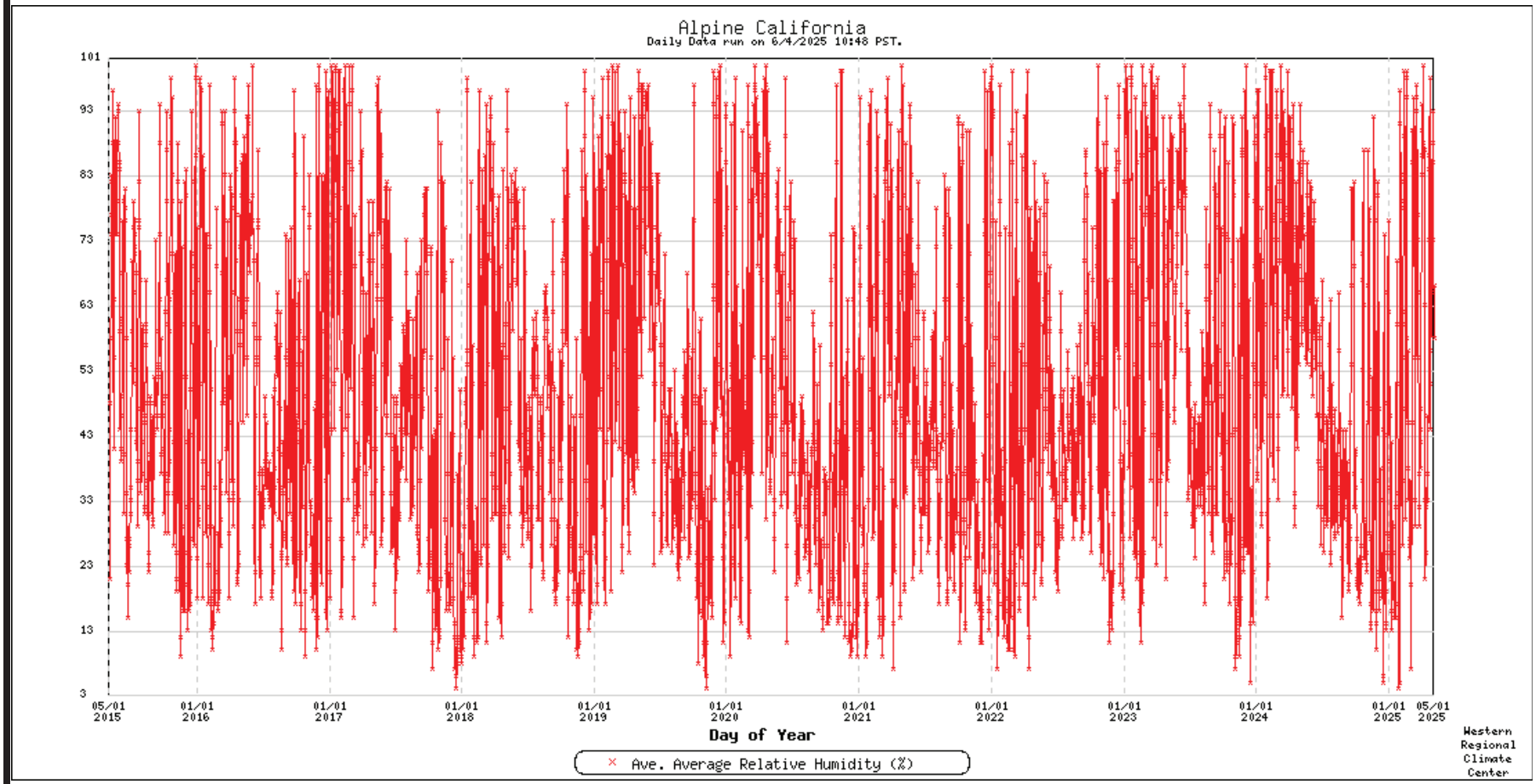

Figure 7: Average Daily Relative Humidity in Alpine over the Past 10 Years

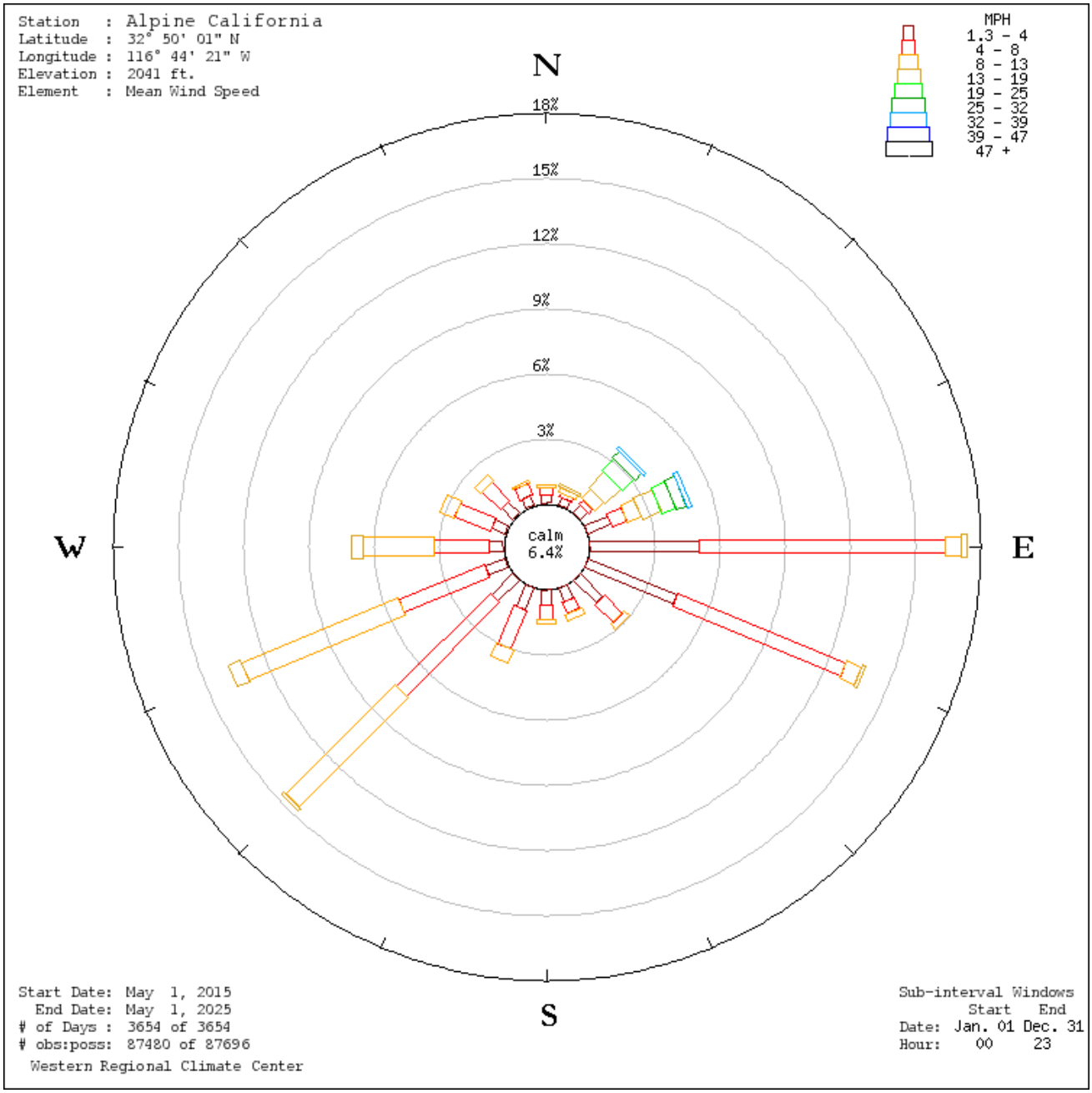

Figure 8: Alpine RAWS Wind Rose

Figure 9:
Topography in the
Proposed Project Area

Suncrest
230 Kilovolt Loop-In Project

- Fly Yard
- Staging Yard
- Staging/Fly Yard
- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Proposed 230 kV Western UG Segment
- Existing Suncrest Substation

Elevation (Feet)
- High : 6509
- 3874
- 2390
- 1557
- Low : 55

1:85,000
0 1 2 Miles

SDGE

Table 3: Monthly Average Temperature in Alpine (degrees Fahrenheit)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2015	56.2	58.5	61.6	58.8	57.2	73.6	71.4	77.7	74.4	67.3	55.9	50.4	**63.6**
2016	50.9	61.9	55.9	58.3	57.3	74.7	77.9	77.0	70.6	66.9	61.6	52.7	**63.8**
2017	48.6	51.6	59.3	60.0	60.3	72.6	77.8	77.3	69.5	69.5	62.2	59.3	**64.0**
2018	59.0	52.3	53.5	59.5	59.1	70.5	79.9	76.9	74.9	64.7	59.6	53.1	**63.6**
2019	52.6	45.0	52.4	58.2	54.3	66.5	75.6	77.9	71.0	66.0	60.4	51.1	**60.9**
2020	53.4	54.1	49.6	56.7	64.8	67.2	75.8	80.9	79.0	70.3	59.9	54.8	**63.9**
2021	53.6	53.4	50.6	58.7	60.9	74.2	78.6	77.3	74.4	62.3	65.0	50.8	**63.3**
2022	55.3	54.4	56.0	58.9	62.3	74.5	76.2	79.6	75.8	65.5	53.8	50.9	**63.6**
2023	48.0	47.4	47.9	58.2	57.8	61.4	79.9	77.1	68.1	67.2	59.1	55.9	**60.7**
2024	50.7	49.4	49.2	55.3	58.7	71.1	81.3	78.1	74.3	70.4	56.4	58.2	**62.8**
2025	51.9	56.5	51.3	55.5	61.7	--	--	--	--	--	--	--	**55.4**
Mean	**52.8**	**53.1**	**53.4**	**58.0**	**59.5**	**70.6**	**77.5**	**77.9**	**73.2**	**67.0**	**59.4**	**53.7**	**63.0**

Source: RAWS Climate Archive 2025

Table 4: Monthly Average Humidity in Alpine (percent)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2015	41	44	38	50	73	44	58	41	51	58	43	48	**49**
2016	58	28	57	58	76	43	36	42	47	46	38	58	**49**
2017	71	69	50	49	64	46	47	44	53	35	42	19	**49**
2018	38	48	59	48	67	43	44	48	39	49	38	49	**47**
2019	51	71	64	62	81	62	42	35	49	29	40	59	**54**
2020	47	43	76	69	57	55	36	35	28	35	39	34	**46**
2021	45	47	62	53	59	43	45	45	44	47	28	60	**48**
2022	36	34	50	54	53	38	41	43	51	54	43	57	**46**
2023	64	54	72	54	74	66	37	46	60	45	41	47	**55**
2024	60	73	77	66	68	52	38	36	44	36	41	33	**52**
2025	35	51	69	62	64	--	--	--	--	--	--	--	**56**
Mean	**49**	**51**	**61**	**57**	**67**	**49**	**42**	**42**	**47**	**43**	**39**	**46**	**50**

Source: RAWS Climate Archive 2025

Table 5: Wind Direction Frequency in the Proposed Project Area (2015-2025)

Wind Direction	Approximate Frequency (percent)
North	1
North-northeast	1
Northeast	4
East-northeast	5
East	18
East-southeast	14
Southeast	3
South-southeast	2
South	2
South-southwest	4
Southwest	15
West-southwest	14
West	7
West-northwest	3
Northwest	2
North-northwest	1

Source: RAWS Climate Archive 2025
Notes: Due to rounding, total may not sum to 100. The wind direction frequency was recorded between May 1, 2015 and May 1, 2025.

5 – VALUES AT RISK

5.0 WILDLAND URBAN INTERFACE

The Wildland-Urban Interface (WUI) consists of spaces where human development meets the natural world. These are areas of concern for wildfires, with homes being at risk due to the surrounding vegetative fuels. CAL FIRE classifies development in the following three WUI zones:

- Interface: Dense housing adjacent to vegetation that can burn in a wildfire that meets the following criteria:
  - Housing density class 2, 3, or 4[1]
  - In moderate, high, or very high FHSZs
  - Not dominated by wildland vegetation (i.e., lifeform not herbaceous, hardwood, conifer, or shrub)
- Intermix: Housing development interspersed in an area dominated by wildland vegetation subject to wildfire and meets the following criteria:
  - Not Interface
  - Housing density class 2, 3, or 4
  - In moderate, high, or very high FHSZs
  - Dominated by wildland vegetation
- Influence: Wildfire-susceptible vegetation up to 1.5 miles from Interface or Wildland Intermix classifications.

As shown in Figure 10: CAL FIRE Wildland Urban Interface, the proposed 230 kV UG segment will cross all three zones and the proposed 230 kV OH segment will cross the Intermix and Influence zones. SDG&E's existing Suncrest Substation is in the Influence zone. The proposed Greenfield Staging Yard will be in the Interface zone. The proposed Sweetwater Staging/Fly Yard, proposed High Glen Staging Yard, and proposed High Glen Fly Yard will be in the Influence Zone. The proposed Hospital Staging Yard, proposed Lyons Valley Staging/Fly Yard, and proposed Swat Staging Yard will not be in any WUI zone.

[1] Housing density classes used in CAL FIRE's WUI zones are defined as follows:
1 - Less than one house per 20 acres
2 - One house per 20 acres to one house per five acres
3 - More than one house per five acres to one house per acre
4 - More than one house per acre

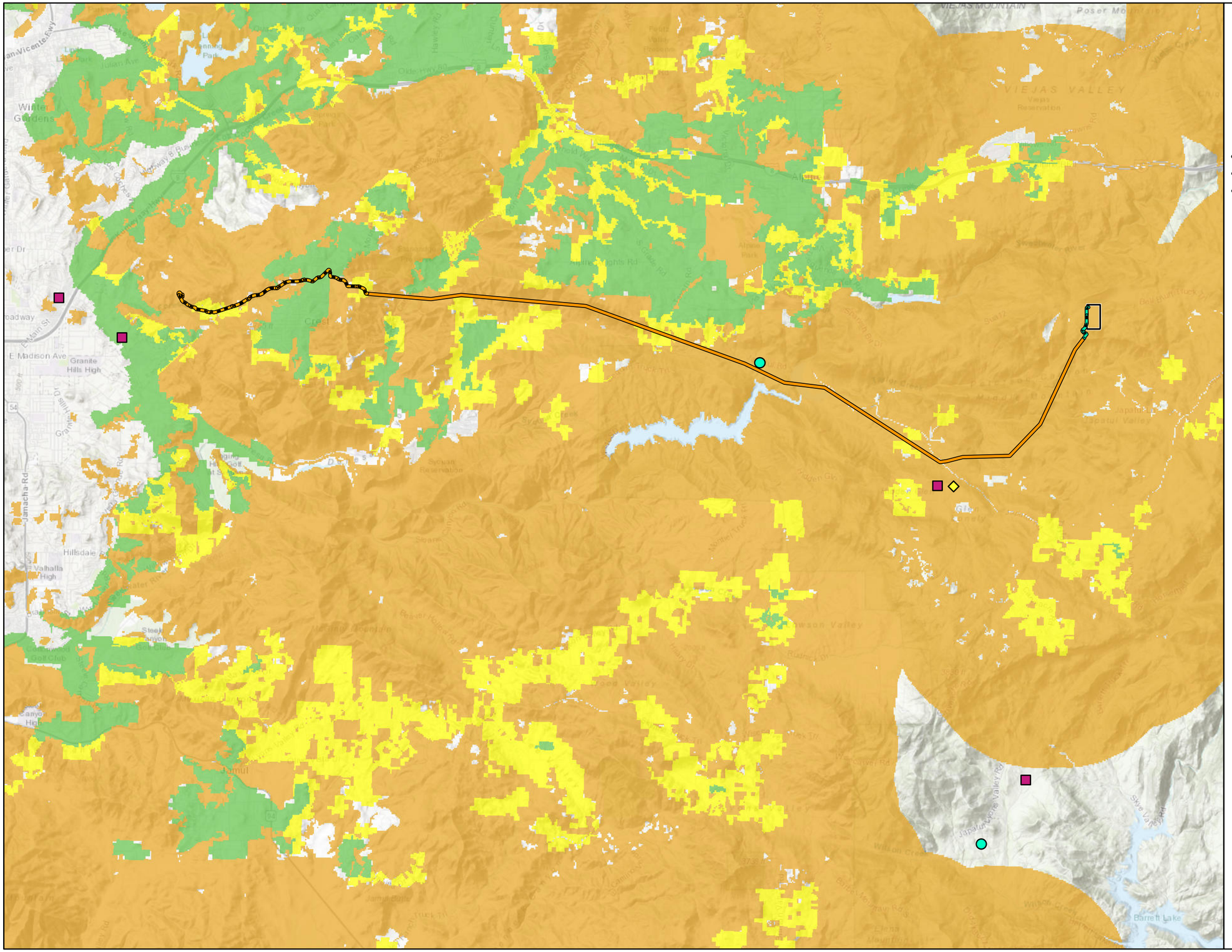

Figure 10:
CAL FIRE Wildland Urban Interface

Suncrest
230 Kilovolt Loop-In Project

- Fly Yard
- Staging Yard
- Staging/Fly Yard
- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Proposed 230 kV Western UG Segment
- Existing Suncrest Substation

Wildland-Urban Interface (WUI)

- Influence Zone
- Interface Zone
- Intermix Zone

1:80,000

0 1 2 Miles

SDGE

The USFS classifies development into the following two WUI zones (USFS 2025):

- Interface: Densely developed neighborhoods that lack trees and other vegetation among the houses, but are near wildland vegetation like forests or grasslands. Interface areas typically have larger and denser groups of houses and hard barriers like roads or paved surfaces that break the connection to wildland areas.

- Intermix: Lower-density housing intermingled with wildland vegetation, and this zone is often on large parcels of private land. Houses are scattered and infrastructure, like long driveways, break up wildlife habitat.

As shown in Figure 11: USFS Wildland Urban Interface, the proposed 230 kV UG segment will cross both Interface and Intermix zones, as well as Non-WUI Vegetated locations designated as no housing and low and very low housing density. The proposed 230 kV OH segment will cross the Intermix zone, as well as Non-WUI Vegetated locations designated as no housing and very low housing density. SDG&E's existing Suncrest Substation is in the Intermix zone. The proposed Hospital Staging Yard will be in a Non-vegetation location designated as medium and high-density housing. The proposed Greenfield Staging Yard will be located in the Interface zone. The proposed High Glen Staging Yard and proposed High Glen Fly Yard will be in the Intermix Zone. The proposed Sweetwater Staging/Fly Yard, proposed Lyons Valley Staging/Fly Yard, and proposed Swat Staging Yard will be located in Non-WUI Vegetated locations designated as no housing.

5.1 STRUCTURES

5.1.0 Communities

The proposed 230 kV western UG segment will cross the unincorporated community of Crest in San Diego County. Approximately 182 residential homes, primarily composed of wood, are located within 1,000 feet of the proposed 230 kV western UG segment. The proposed 230 kV OH segment will cross the unincorporated communities of Harbison Canyon and Alpine in San Diego County. Approximately 87 residential homes, primarily composed of wood, are located within 1,000 feet of the proposed 230 kV OH segment. Approximately 103 residential homes, primarily composed of wood, four hospitals, and one place of worship is within 1,000 feet of the proposed Hospital Staging Yard. Approximately 120 residential homes, primarily composed of wood, one day care center, and three schools are within 1,000 feet of the proposed Greenfield Staging Yard. Approximately six residential homes, primarily composed of wood, are within 1,000 feet of the proposed High Glen Staging Yard and proposed High Glen Fly Yard. Attachment A: Values at Risk within 1,000 Feet of the Proposed Project identifies the residential structures that will be located within 1,000 feet of the Proposed Project.

5.1.1 Existing Electrical Facilities

The proposed 230 kV OH segment parallels an existing SDG&E 500 kV transmission line (Sunrise Powerlink) from the existing Suncrest Substation to Japatul Road. From proposed Pole 24 to Pole 45, the proposed 230 kV OH segment parallels the existing SDG&E 69 kV TL625. An existing SDG&E transmission corridor traverses the western terminus of the proposed 230 kV western UG segment. The existing transmission lines are supported by wood

and steel poles. Attachment A: Values at Risk within 1,000 Feet of the Proposed Project identifies the locations of existing transmission lines within 1,000 feet of the Proposed Project.

5.2 CRITICAL HABITAT

USFWS-designated critical habitat for arroyo toad (*Anaxyrus californicus*) and Hermes copper butterfly (*Lycaena Hermes*) is located within 1,000 feet of the Proposed Project, as depicted in Attachment A: Values at Risk within 1,000 Feet of the Proposed Project. In total, the Proposed Project will cross approximately 0.8 mile of arroyo toad critical habitat. This critical habitat is associated with Taylor Creek and the Sweetwater River where these features flow into the eastern portion of the Loveland Reservoir. In total, the Proposed Project will cross approximately 3.6 miles of Hermes copper butterfly critical habitat. Hermes copper butterfly critical habitat overlaps the Proposed Project at the following locations:

- along La Cresta Road,
- within the proposed Sweetwater Staging/Fly Yard,
- within the proposed High Glenn Staging,
- within the proposed High Glen Fly Yard,
- within the Sweetwater Authority northeast of Loveland Reservoir,
- within the proposed Swat Staging Yard,
- within the proposed Lyons Valley Staging/Fly Yard,
- within CNF lands along Japatul Road, and
- in the vicinity of the existing Suncrest Substation.

6 – EVACUATION ROUTES

The Safety Element in the San Diego County General Plan identifies the potential evacuation routes throughout the county. Interstate 8, Greenfield Drive, La Cresta Road, Mountain View Road, Harbison Canyon Road, South Grade Road, Dehesa Road, Tavern Road, and Japatul Road are all identified as potential evacuation routes within one mile of the Proposed Project. In addition, El Cajon Boulevard/Main Street and 2nd Street are major transportation routes in the City of El Cajon with the potential to serve as evacuation routes. These evacuation routes are depicted in Figure 12: Evacuation Routes within One Mile of the Proposed Project.

Numerous public roads that lack a secondary point of access or exit are located within 1,000 feet of the Proposed Project, as shown in Attachment A: Values at Risk within 1,000 Feet of the Proposed Project.

7 – FIRE BEHAVIOR MODELING

7.0 METHODOLOGY

The FlamMap application was used to analyze the wildfire risk of the Proposed Project Area. FlamMap is a fire analysis desktop application that simulates potential fire behavior characteristics (e.g., spread rate, flame length, and fireline intensity), fire growth and spread, and conditional burn probabilities under constant environmental conditions (weather and fuel moisture) (USFS 2025).

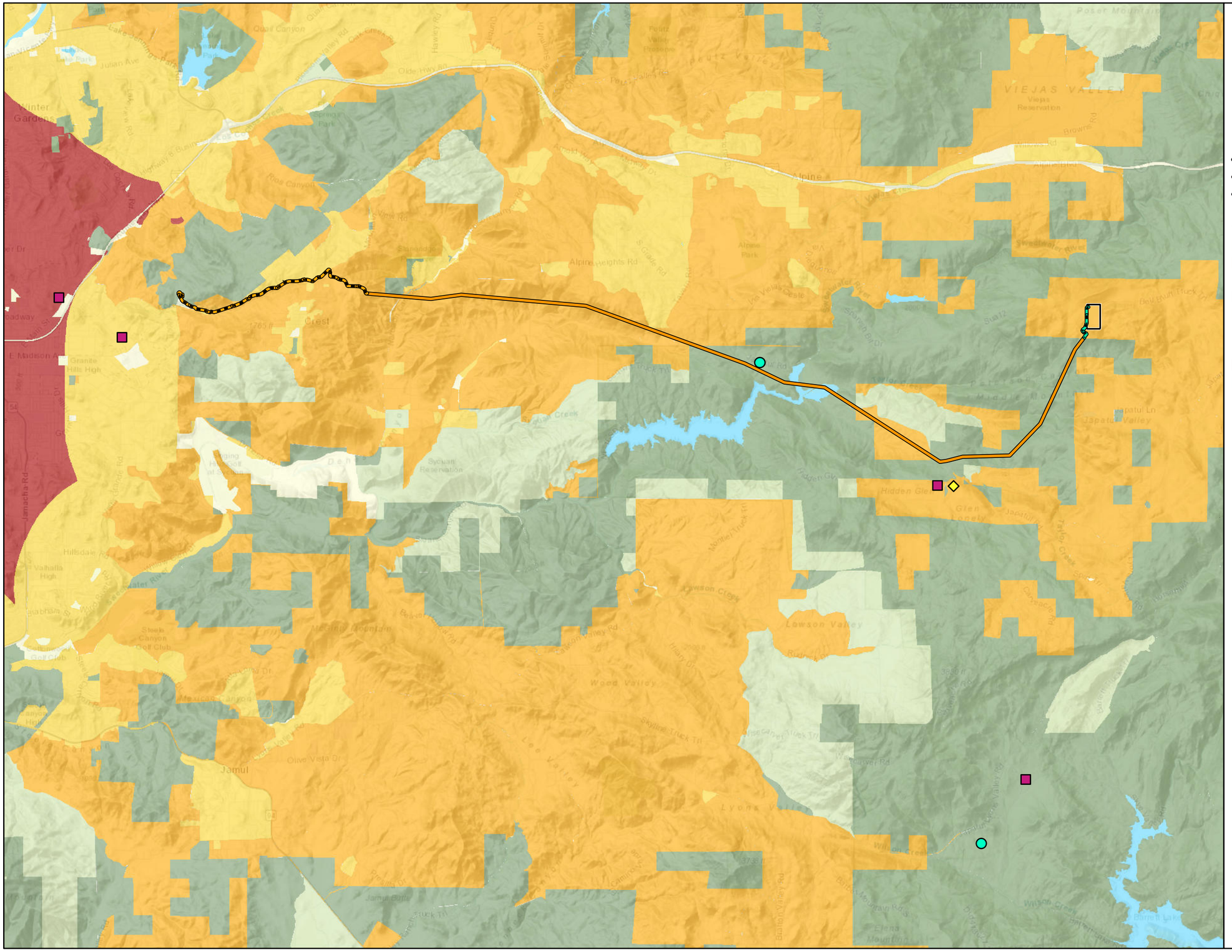
Figure 11:
USFS Wildland Urban Interface
Suncrest
230 Kilovolt Loop-In Project
Fly Yard
Staging Yard
Staging/Fly Yard
Proposed 230 kV OH Segment
Proposed 230 kV Eastern UG Segment
Proposed 230 kV Western UG Segment
Existing Suncrest Substation
Wildland-Urban Interface (WUI)
Interface Zone
Intermix Zone
Non-WUI Vegetated
No housing
Very low housing density
Non-vegetated or Agriculture
Low and very low housing density
Medium and high housing densitity
Water
6500 ft
Cleveland National Forest
San Diego
Tijuana
1:80,000
Miles
0
1
2
SDGE

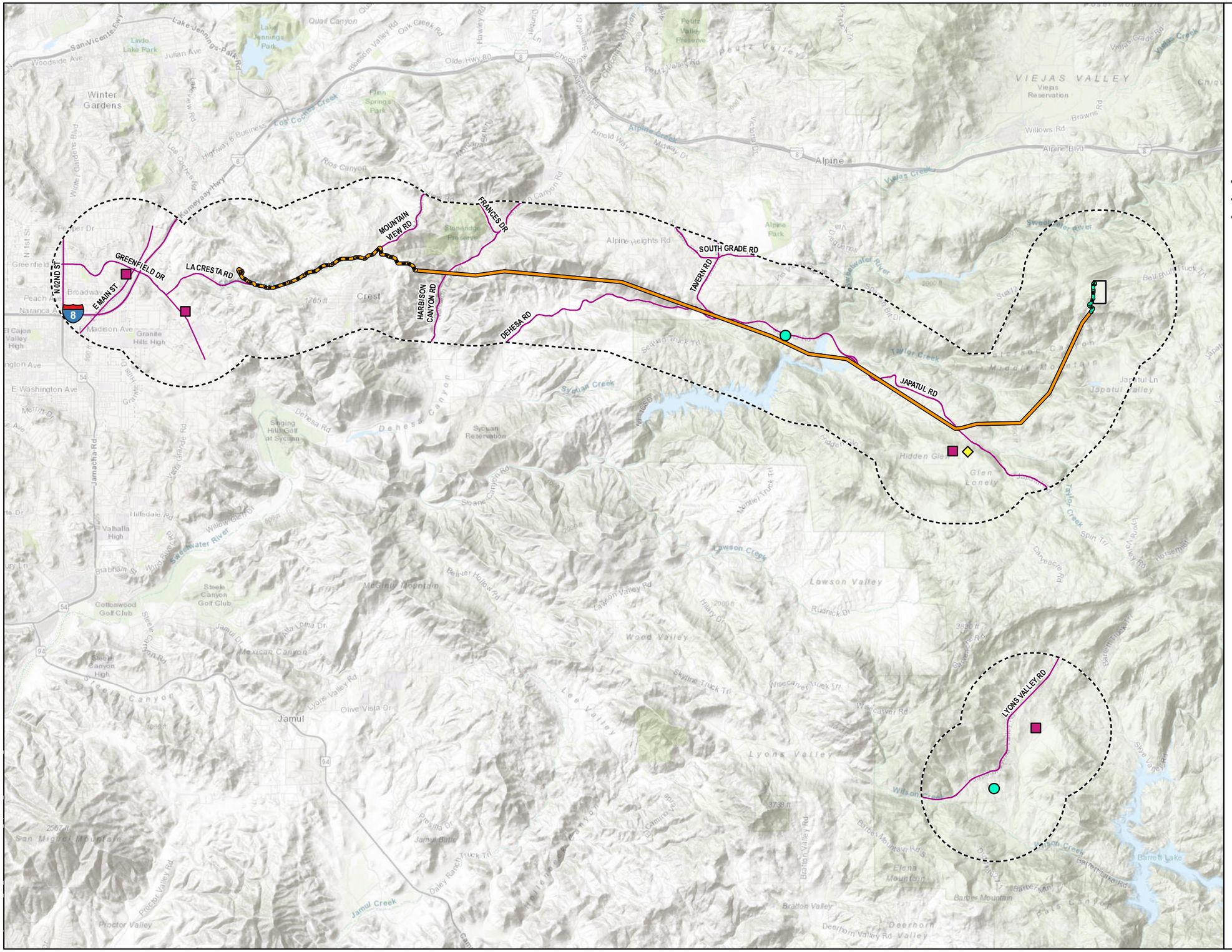

Figure 12:
Evacuation Routes within One Mile of the Proposed Project

Suncrest
230 Kilovolt Loop-In Project

- Fly Yard
- Staging Yard
- Staging/Fly Yard
- Evacuation Routes
- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Proposed 230 kV Western UG Segment
- Existing Suncrest Substation
- 1-Mile Buffer

The FlamMap application includes inputs for the following:

- 20-foot wind speed (mph),[2]
- 20-foot wind direction (degrees),[3]
- one-hour dead fuel moisture content (percent),[4]
- 10-hour dead fuel moisture content (percent), and
- 100-hour dead fuel moisture content (percent).

For the Proposed Project, the worst-case scenario was modeled using the dead fuel moisture content values and live fuel moisture contents from the Scott Burgan Fuel Model, as follows:

- One-hour dead fuel moisture content: three percent.
- 10-hour dead fuel moisture content: four percent.
- 100-hour dead fuel moisture content: five percent.
- Live herbaceous: 30 percent.
- Live woody: 60 percent.

Because wind blows most frequently from the east and southwest in the Proposed Project Area, flame spread rate and flame length models were generated using 20-foot wind directions from the east (90 degrees) and southwest (225 degrees). The 20-foot wind speed input from the east and southwest are eight mph and 13 mph, respectively.

7.1 RESULTS

7.1.0 Easterly Wind Conditions

Rate of Spread

As shown in Attachment B: Predicted Rate of Spread During Eight-Mile-Per-Hour Easterly Winds, the proposed 230 kV UG segment will cross areas where the predicted rate of spread during eight-mph easterly winds is between zero and 90 feet per minute. The proposed 230 kV OH segment will cross areas where the predicted rate of spread during eight-mph easterly winds is between zero and more than 100 feet per minute. The proposed Hospital Staging Yard and proposed Greenfield Staging Yard are in an area where the predicted rate of spread during eight-mph easterly winds is between zero and 40 feet per minute. The proposed Sweetwater Staging/Fly Yard, proposed High Glen Staging Yard, and proposed High Glen Fly Yard are located in an area where the predicted rate of spread during eight-mph easterly winds is between zero and 90 feet per minute.

[2] The speed that is measured 20 feet above any fuel or obstruction (NWCG 2025b)
[3] The direction that is measured 20 feet above any fuel or obstruction.
[4] Dead fuel moisture is the moisture content of dead organic fuels (Southern California Geographic Coordination Center 2025). Dead fuels can be divided into the following size classes:
- one hour (flashy fuels),
- 10 hour (0.5-inch diameter), and
- 100 hour (three-inch diameter).

In general, the larger fuels take longer to absorb or lose moisture (USFS 2005).

The proposed Swat Staging Yard is located in an area where the predicted rate of spread during eight-mph easterly winds is between zero and 70 feet per minute. The proposed Lyons Valley Staging/Fly Yard is located in an area where the predicted rate of spread during eight-mph easterly winds is between 20 and 80 feet per minute. The existing Suncrest Substation is in an area where the predicted rate of spread during eight-mph easterly winds is between zero and 100 feet per minute.

Flame Length

As shown in Attachment C: Predicted Flame Length During Eight-Mile-Per-Hour Easterly Winds, the proposed 230 kV UG segment will cross areas where the predicted flame length during eight-mph easterly winds is between zero and 20 feet. The proposed 230 kV OH segment will cross areas where the predicted flame length during eight-mph easterly winds is between zero and 25 feet. The proposed Hospital Staging Yard and proposed Greenfield Staging Yard are in an area where the predicted flame length during eight-mph easterly winds is between zero and five feet. The proposed Sweetwater Staging/Fly Yard, proposed High Glen Staging Yard, proposed High Glen Fly Yard, and proposed Lyons Valley Staging/Fly Yard are located in an area where the predicted flame length during eight-mph easterly winds is between zero and 20 feet. The proposed Swat Staging Yard is located in an area where the predicted flame length during eight-mph easterly winds is between one and 10 feet. The existing Suncrest Substation is in an area where the predicted flame length during eight-mph easterly winds is between zero and 20 feet.

7.1.1 Southwesterly Wind Conditions

Rate of Spread

As shown in Attachment D: Predicted Rate of Spread During 13-Mile-Per-Hour Southwesterly Winds, the proposed 230 kV UG segment will cross areas where the predicted rate of spread during 13-mph southwesterly winds is between zero and 90 feet per minute. The proposed 230 kV OH segment will cross areas where the predicted rate of spread during 13-mph southwesterly winds is between zero and more than 100 feet per minute. The proposed Hospital Staging Yard and proposed Greenfield Staging Yard are in an area where the predicted rate of spread during 13-mph southwesterly winds is between zero and 40 feet per minute. The proposed Swat Staging Yard is located in an area where the predicted rate of spread during 13-mph southwesterly winds is between zero and 70 feet per minute. The proposed Sweetwater Staging/Fly Yard is located in an area where the predicted rate of spread during 13-mph southwesterly winds is between zero and 80 feet per minute. The proposed High Glen Staging Yard and proposed High Glen Fly Yard are located in an area where the predicted rate of spread during 13-mph southwesterly winds is between zero and 90 feet per minute. The proposed Lyons Valley Staging/Fly Yard is located in an area where the predicted rate of spread during 13-mph southwesterly winds is between 40 and 100 feet per minute. The existing Suncrest Substation is in an area where the predicted rate of spread during 13-mph southwesterly winds is between zero and 100 feet per minute.

Flame Length

As shown in Attachment E: Predicted Flame Length During 13-Mile-Per-Hour Southwesterly Winds, the proposed 230 kV UG segment and proposed 230 kV OH segment will cross areas

where the predicted flame length during 13-mph southwesterly winds is between zero and 30 feet. The proposed Hospital Staging Yard and proposed Greenfield Staging Yard are in an area where the predicted flame length during 13-mph southwesterly winds is between zero and 10 feet. The proposed Swat Staging Yard is located in an area where the predicted flame length during 13-mph southwesterly winds is between five and 15 feet. The proposed Sweetwater Staging/Fly Yard, proposed High Glen Staging Yard, proposed High Glen Fly Yard, and proposed Lyons Valley Staging/Fly Yard are located in an area where the predicted flame length during 13-mph southwesterly winds is between zero and 25 feet. The proposed Lyons Valley Staging/Fly Yard is located in an area where the predicted flame length during 13-mph southwesterly winds is between five and 25 feet. The existing Suncrest Substation is in an area where the predicted flame length during 13-mph southwesterly winds is between zero and 25 feet.

8 – CONCLUSIONS

The Proposed Project is located in CPUC Tier 2 and Tier 3 HFTDs and very high FHSZs. The Proposed Project will cross the following dominant fuel types:

- The proposed 230 kV western UG Segment will cross Urban/Developed (NB1).
- The proposed 230 kV eastern UG segment will cross Moderate load, dry climate grass-shrub (GS2).
- The proposed 230 kV OH segment will cross Moderate load, dry climate grass-shrub (GS2) and High load, dry climate shrub (SH5).
- The proposed Hospital Staging Yard is predominantly located on the Urban/Developed (NB1) fuel type.
- The proposed Greenfield Staging Yard is predominantly located on the Short, sparse dry climate grass (GR1) and Low-load, dry climate grass (GR2) fuel types.
- The proposed Sweetwater Staging/Fly Yard is predominantly located on the Moderate load, dry climate grass-shrub (GS2) fuel type.
- The proposed High Glen Staging Yard is predominantly located on the Moderate load, dry climate grass-shrub (GS2) fuel type.
- The proposed High Glen Fly Yard is predominantly located on the Moderate load, dry climate grass-shrub (GS2) and High load, dry climate shrub (SH5) fuel types.
- The proposed Swat Staging Yard is predominantly located on the Low load, dry climate grass-shrub (GS1) fuel type.
- The proposed Lyons Valley Staging/Fly Yard is predominantly located on the Low-load, dry climate grass (GR2) fuel type.
- The existing Suncrest Substation is predominately located on the Bare Ground (NB9) fuel type.

Although no fire spread is expected in Bare Ground (NB9) and Urban/Developed (NB1) areas, Low-load, dry climate grass (GR2), Moderate load, dry climate grass-shrub (GS2) and High load, dry climate shrub (SH5) are dominant fuel types in the Proposed Project Area and have high and very high rates of spread and moderate to very high flame lengths, respectively. In addition, numerous fires have been recorded in the area.

As discussed in Section 7 – Fire Behavior Modeling, the Proposed Project will cross areas where the rate of spread has the potential to exceed 100 feet per minute during both eight-mph easterly winds and 13-mph southwesterly winds. In addition, the Proposed Project will cross areas where the flame length can reach up to 20 feet during eight-mph easterly winds and up to 25 feet during 13-mph southwesterly winds. The Proposed Project is located in an area with very high wildfire risk due to the existing conditions in the Proposed Project Area, including the dominant Scott Burgan fuel types, climate, and topography; CPUC and CAL FIRE designations; wildfire history in the Proposed Project Area; and the predicted rates of spread and flame lengths in the Proposed Project Area.

9 – REFERENCES

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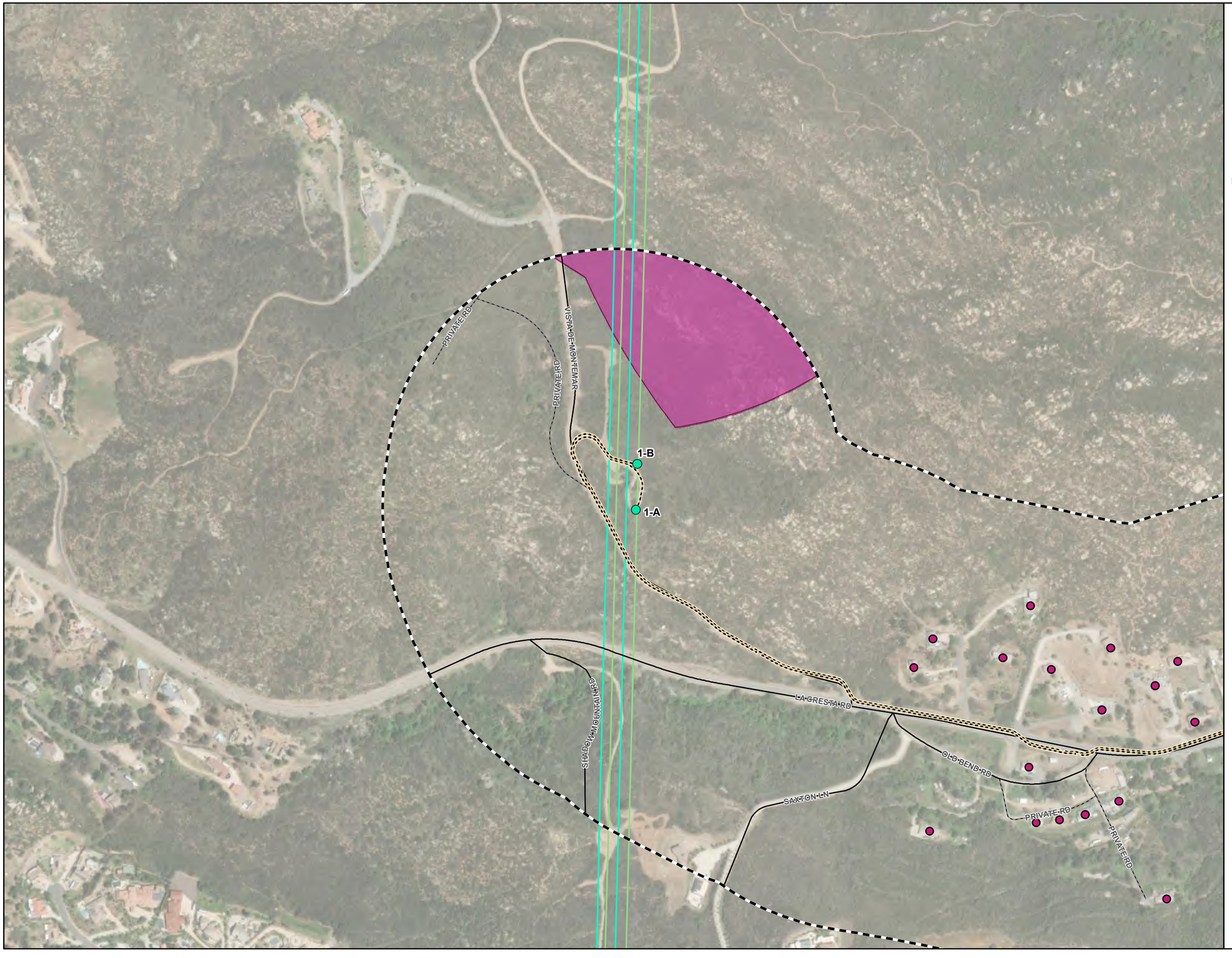
ATTACHMENT A: VALUES AT RISK WITHIN 1,000 FEET OF THE PROPOSED PROJECT



Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 1 of 21

Suncrest 230 Kilovolt Loop-In Project

- Pole
- Proposed 230 kV Western UG Segment
- Private Road
- Public Road
- 1000 Foot Buffer

SDG&E Existing Transmission Line

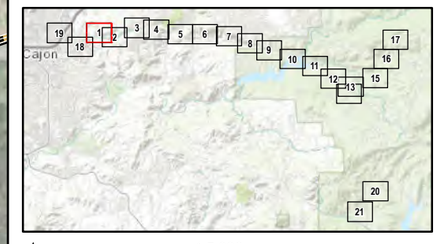
- 69 kV
- 230 kV

Sensitive Receptor

- Residence

Critical Habitat

- Hermes Copper Butterfly



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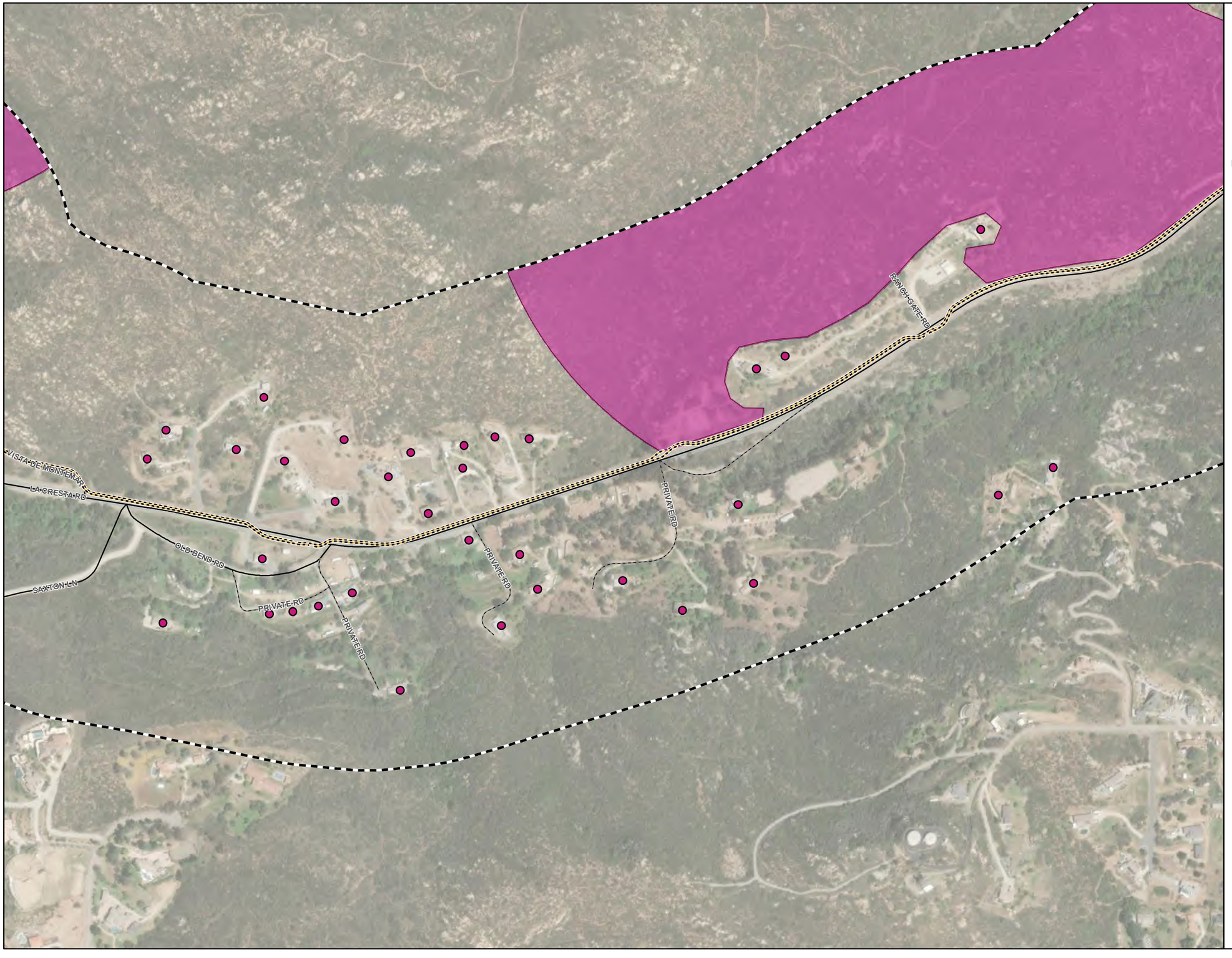


Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 2 of 21

Suncrest 230 Kilovolt Loop-In Project

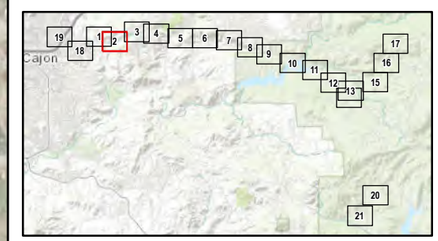
- Proposed 230 kV Western UG Segment
- Private Road
- Public Road
- 1000 Foot Buffer

Sensitive Receptor

- Residence

Critical Habitat

- Hermes Copper Butterfly



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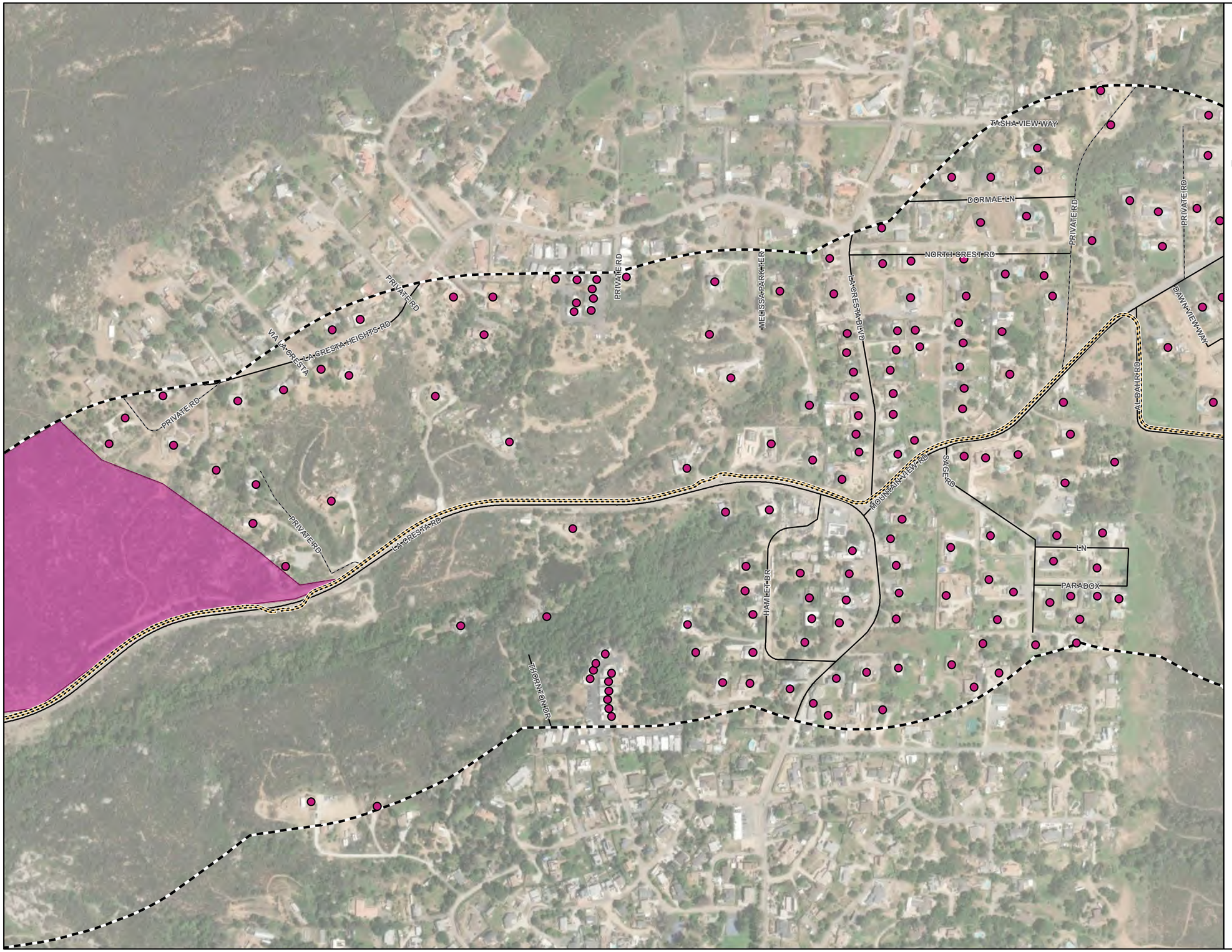


Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 3 of 21

Suncrest 230 Kilovolt Loop-In Project

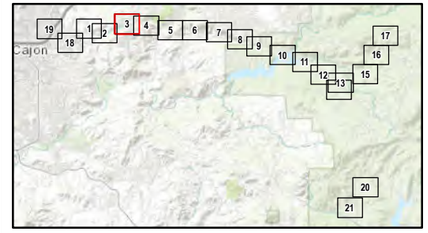
- Proposed 230 kV Western UG Segment
- Private Road
- Public Road
- 1000 Foot Buffer

Sensitive Receptor

- Residence

Critical Habitat

- Hermes Copper Butterfly



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SDGE

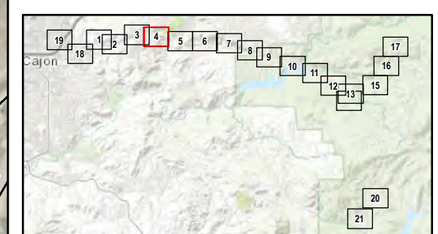
Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 4 of 21

Suncrest 230 Kilovolt Loop-In Project

- Pole
- Proposed 230 kV OH Segment
- Proposed 230 kV Western UG Segment
- Private Road
- Public Road
- 1000 Foot Buffer

Sensitive Receptor

- Residence



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SDGE

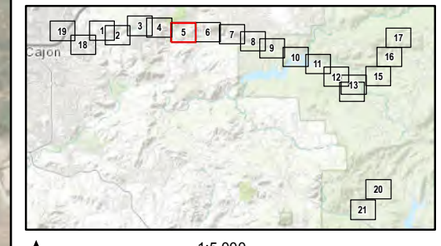
Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 5 of 21

Suncrest 230 Kilovolt Loop-In Project

- Pole
- Proposed 230 kV OH Segment
- Private Road
- Public Road
- 1000 Foot Buffer

Sensitive Receptor

- Residence



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SDGE

Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 6 of 21

Suncrest 230 Kilovolt Loop-In Project

- Pole
- Proposed 230 kV OH Segment
- Private Road
- Public Road
- 1000 Foot Buffer

Sensitive Receptor

- Residence

1:5,000

0 400 800 Feet

SDGE

Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 7 of 21

Suncrest 230 Kilovolt Loop-In Project

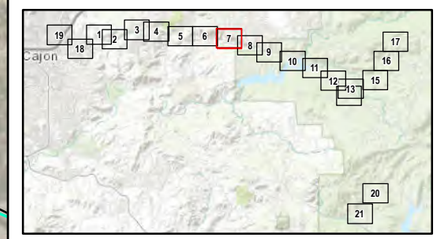
- Pole
- Proposed 230 kV OH Segment
- Public Road
- 1000 Foot Buffer

SDG&E Existing Transmission Line

- 69 kV

Sensitive Receptor

- Residence



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SDGE

Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 8 of 21

Suncrest 230 Kilovolt Loop-In Project

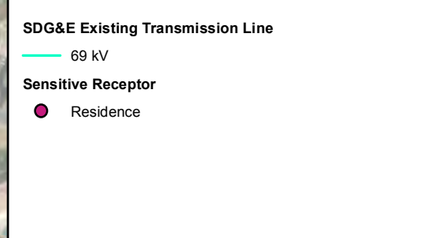
- Pole
- Proposed 230 kV OH Segment
- Private Road
- Public Road
- 1000 Foot Buffer

SDG&E Existing Transmission Line

- 69 kV

Sensitive Receptor

- Residence



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SDGE

Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 9 of 21

Suncrest 230 Kilovolt Loop-In Project

- Pole
- Proposed 230 kV OH Segment
- Private Road
- Public Road
- 1000 Foot Buffer

SDG&E Existing Transmission Line

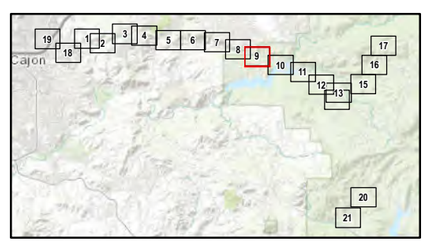
- 69 kV

Sensitive Receptor

- Residence

Critical Habitat

- Hermes Copper Butterfly



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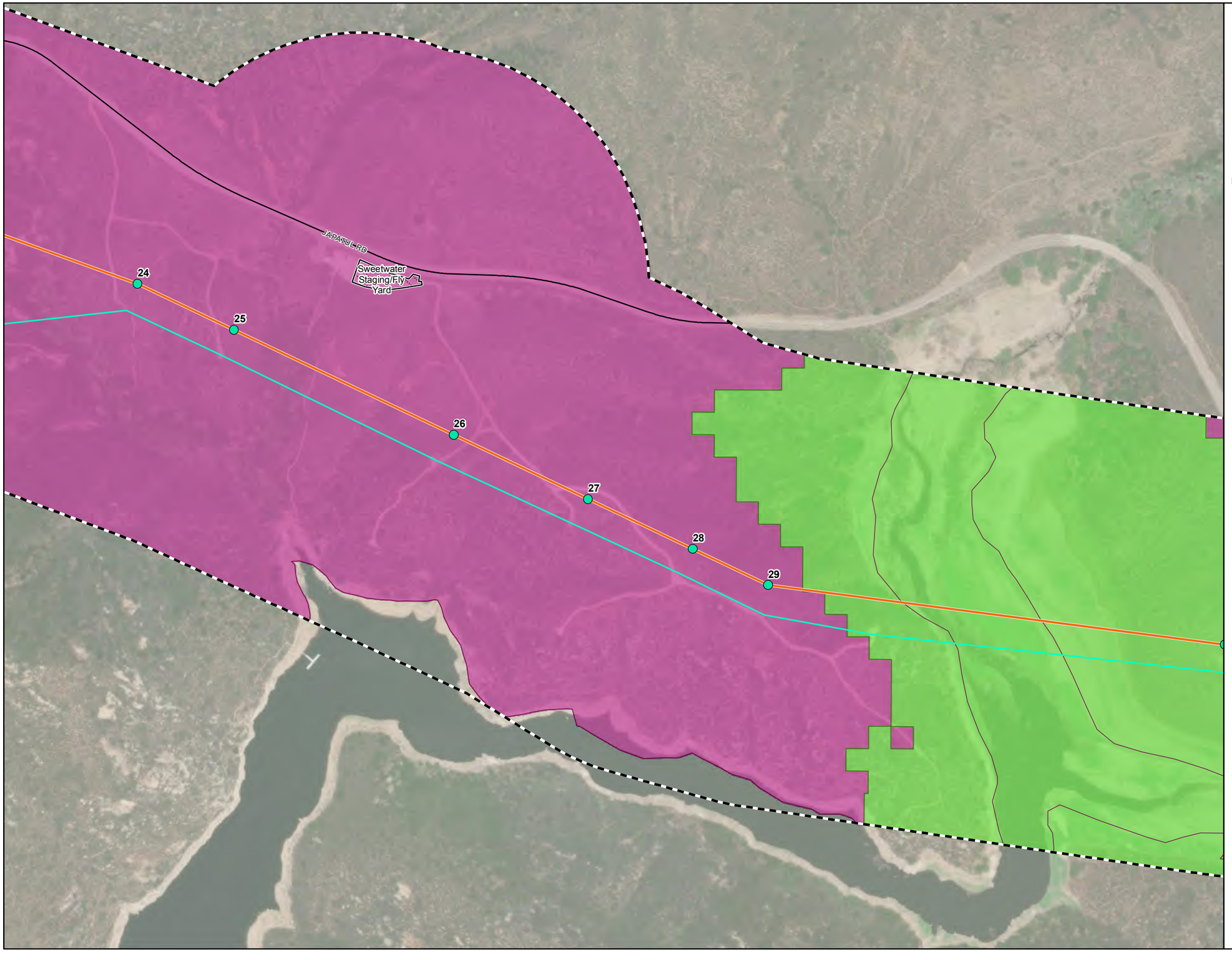


Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 10 of 21

Suncrest 230 Kilovolt Loop-In Project

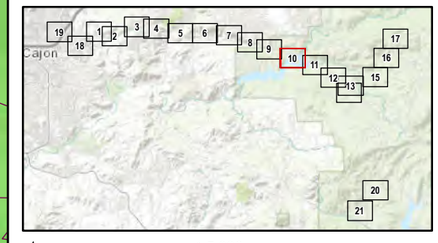
- Pole
- Proposed 230 kV OH Segment
- Public Road
- Staging Yard/Fly Yard
- 1000 Foot Buffer

SDG&E Existing Transmission Line

- 69 kV

Critical Habitat

- Arroyo Toad
- Hermes Copper Butterfly



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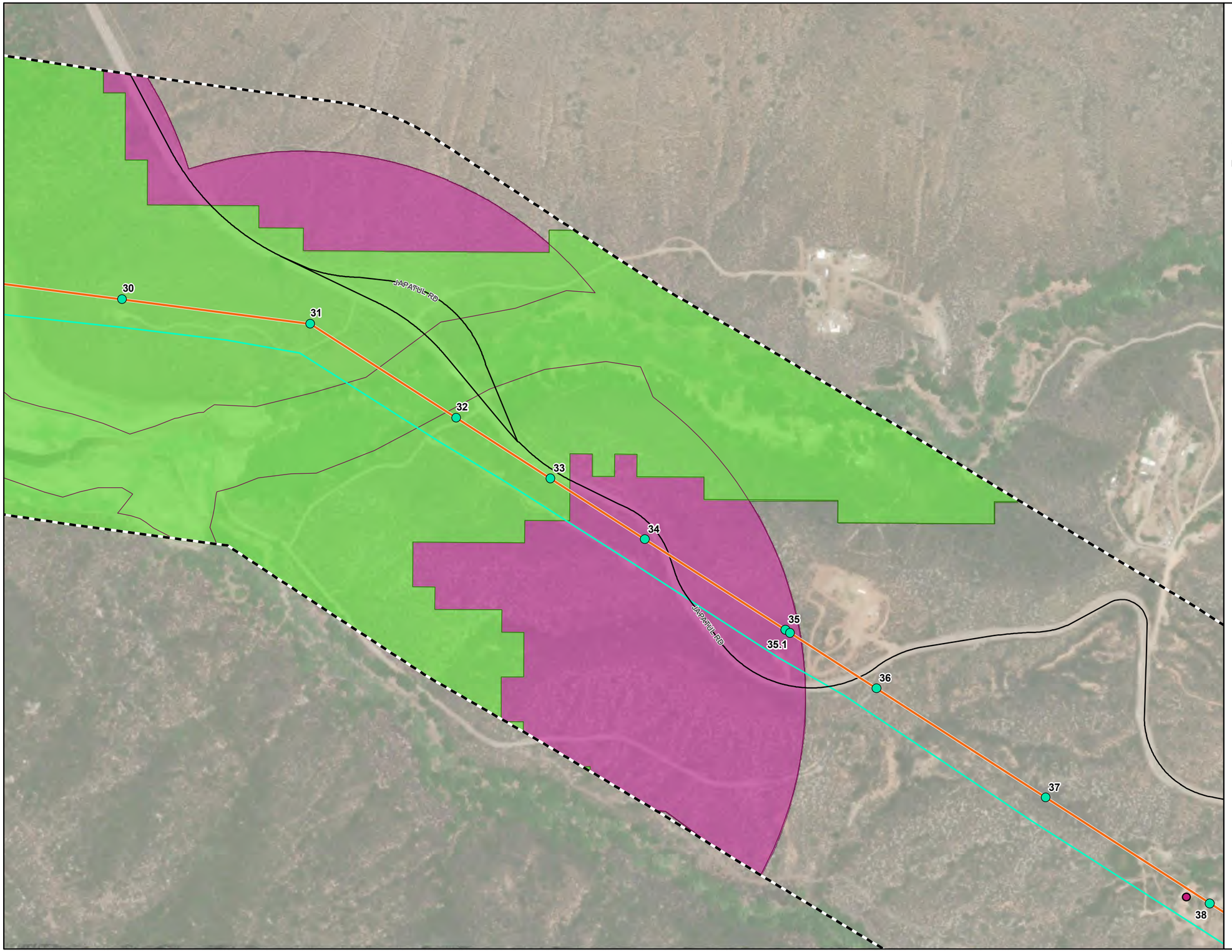


Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 11 of 21

Suncrest 230 Kilovolt Loop-In Project

- Pole
- Proposed 230 kV OH Segment
- Public Road
- 1000 Foot Buffer

SDG&E Existing Transmission Line

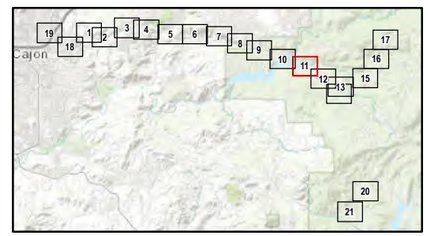
- 69 kV

Sensitive Receptor

- Residence

Critical Habitat

- Arroyo Toad
- Hermes Copper Butterfly



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SDGE

Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 12 of 21

Suncrest 230 Kilovolt Loop-In Project

- Pole
- Proposed 230 kV OH Segment
- Public Road
- 1000 Foot Buffer

SDG&E Existing Transmission Line

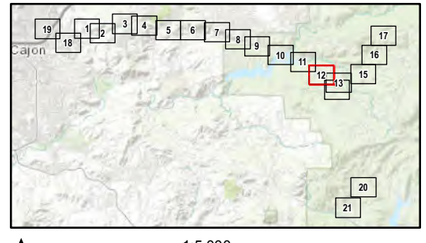
- 69 kV

Sensitive Receptor

- Residence

Critical Habitat

- Hermes Copper Butterfly



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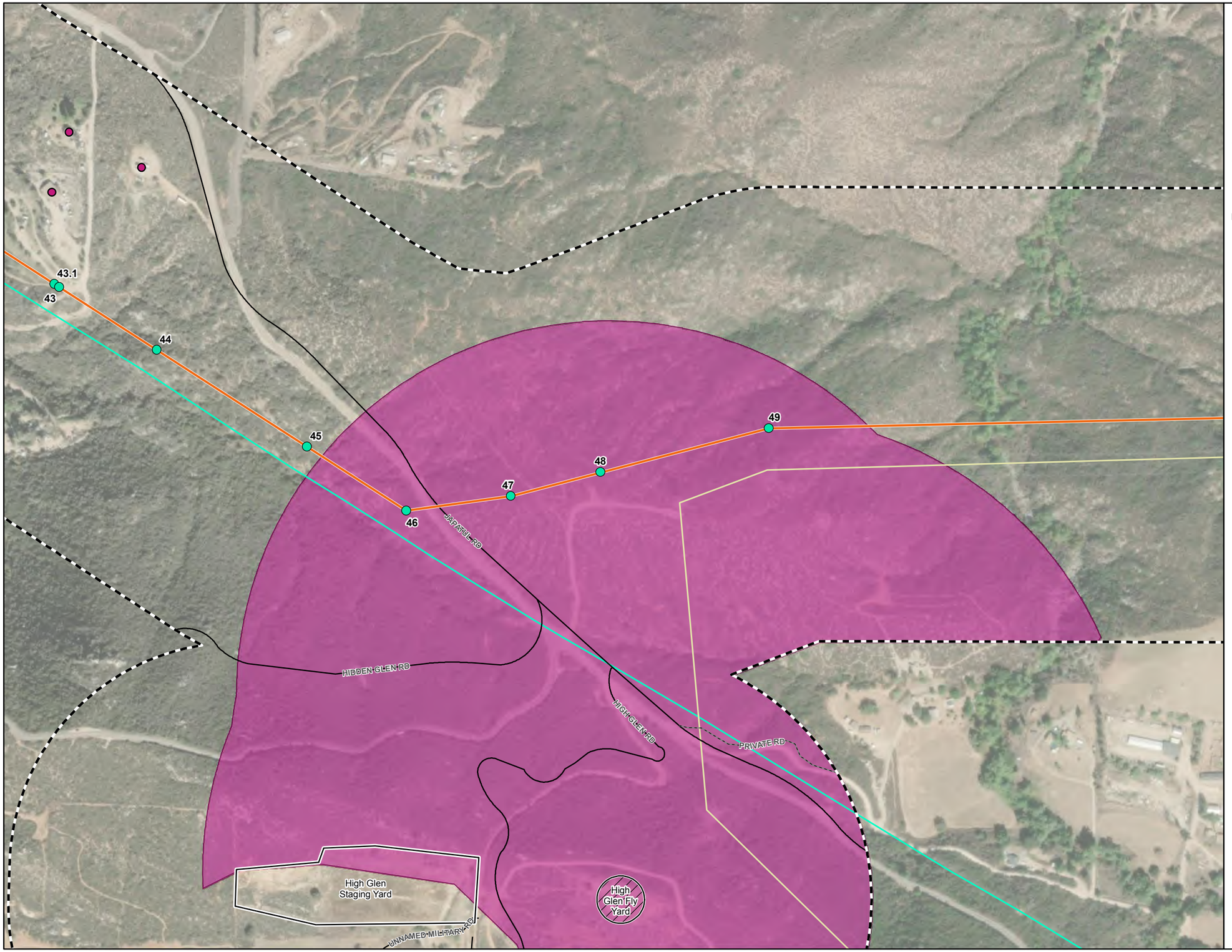


Attachment A:
Values at Risk within 1,000 feet of the Proposed Project
Map 13 of 21

Suncrest 230 Kilovolt Loop-In Project

- Pole
- Proposed 230 kV OH Segment
- Private Road
- Public Road
- Fly Yard
- Staging Yard
- 1000 Foot Buffer

SDG&E Existing Transmission Line

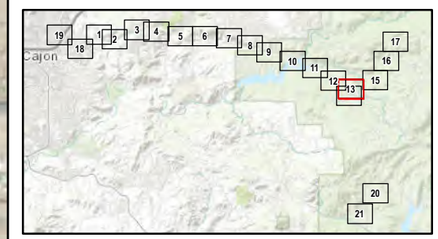
- 69 kV
- 500 kV

Sensitive Receptor

- Residence

Critical Habitat

- Hermes Copper Butterfly



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SDGE

Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 14 of 21

Suncrest 230 Kilovolt Loop-In Project

- Pole
- Proposed 230 kV OH Segment
- Private Road
- Public Road
- Fly Yard
- Staging Yard
- 1000 Foot Buffer

SDG&E Existing Transmission Line

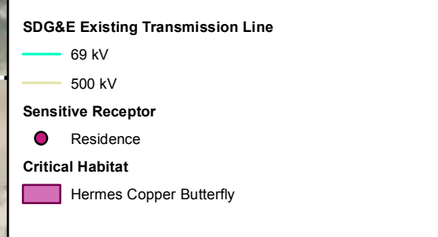
- 69 kV
- 500 kV

Sensitive Receptor

- Residence

Critical Habitat

- Hermes Copper Butterfly



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SDGE

Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 15 of 21

Suncrest 230 Kilovolt Loop-In Project

- Pole
- Proposed 230 kV OH Segment
- 1000 Foot Buffer

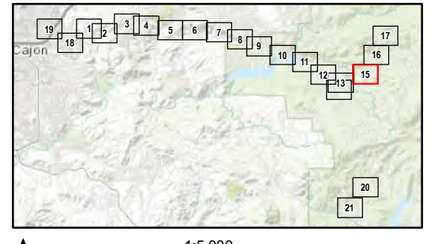
SDG&E Existing Transmission Line

- 500 kV

52

51

50



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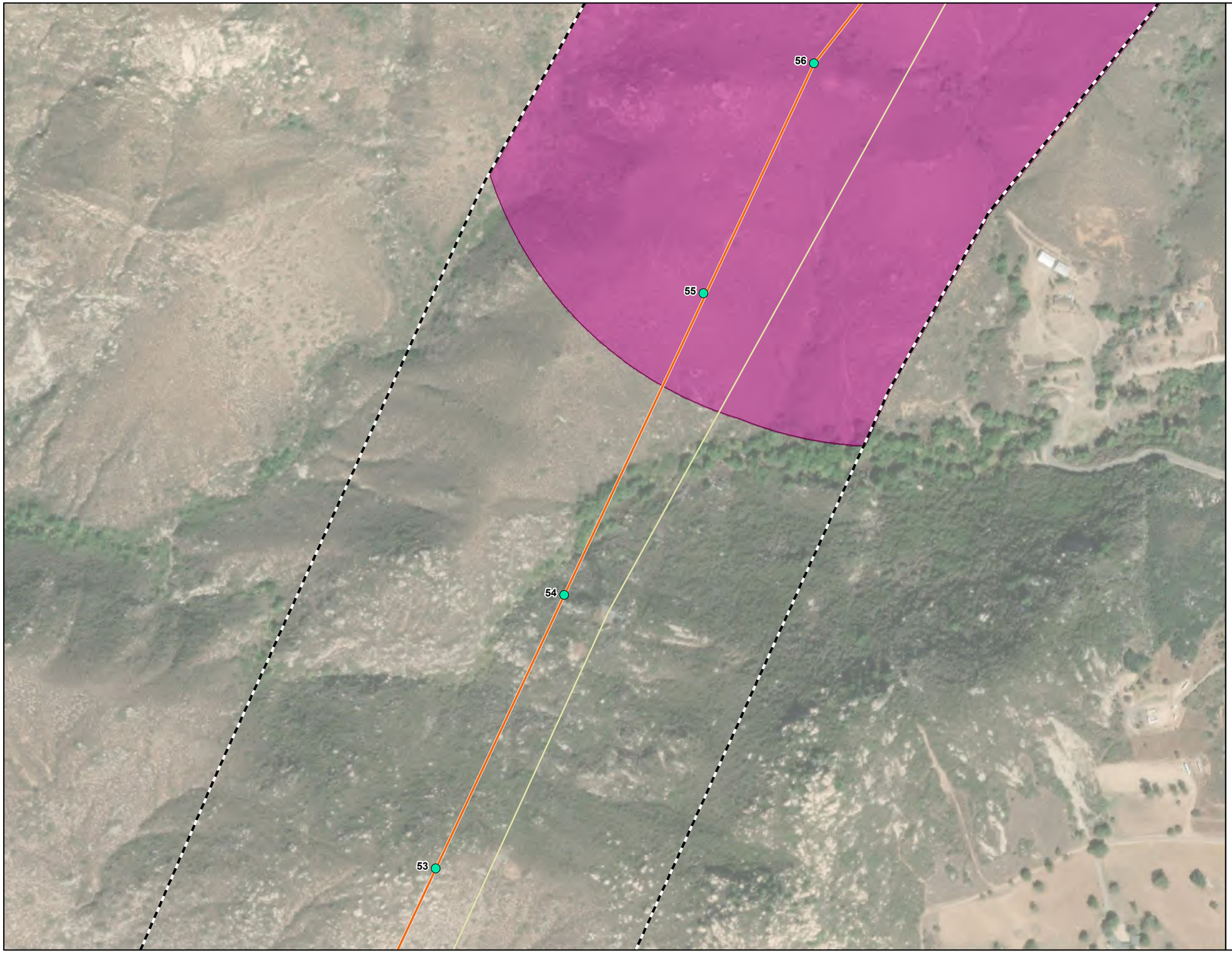


Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 16 of 21

Suncrest 230 Kilovolt Loop-In Project

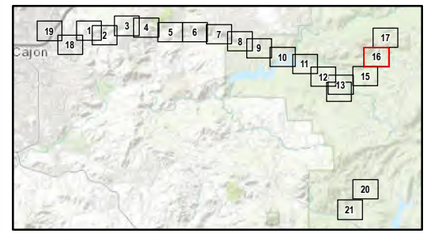
- Pole
- Proposed 230 kV OH Segment
- 1000 Foot Buffer

SDG&E Existing Transmission Line

- 500 kV

Critical Habitat

- Hermes Copper Butterfly



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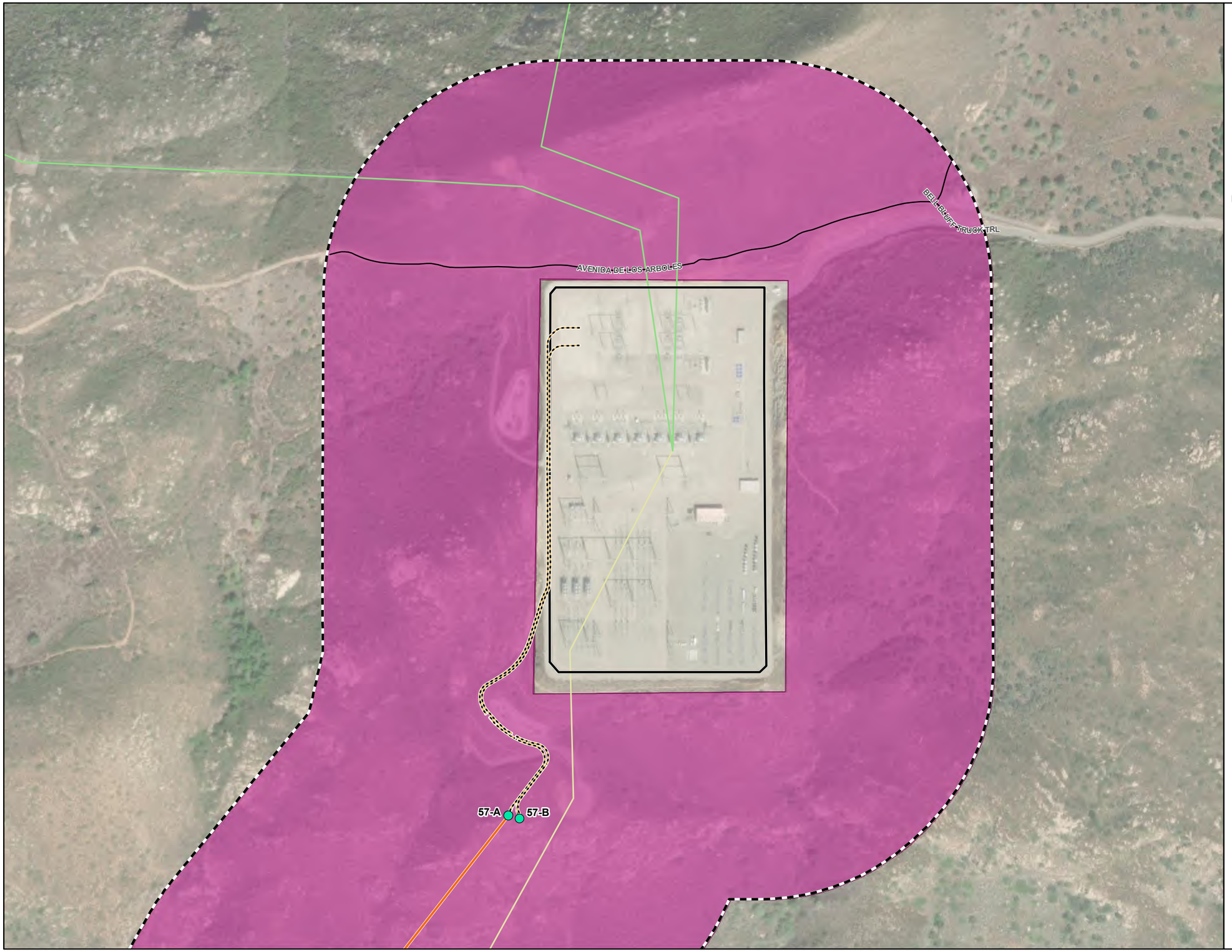


Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 17 of 21

Suncrest 230 Kilovolt Loop-In Project

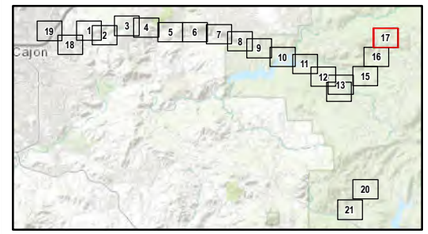
- Pole
- Proposed 230 kV OH Segment
- Proposed 230 kV Eastern UG Segment
- Public Road
- Existing Suncrest Substation
- 1000 Foot Buffer

SDG&E Existing Transmission Line

- 230 kV
- 500 kV

Critical Habitat

- Hermes Copper Butterfly



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SDGE

Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 18 of 21

Suncrest 230 Kilovolt Loop-In Project

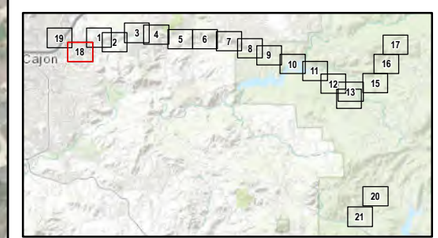
- Private Road
- Public Road
- Staging Yard
- 1000 Foot Buffer

SDG&E Existing Transmission Line

- 69 kV

Sensitive Receptor

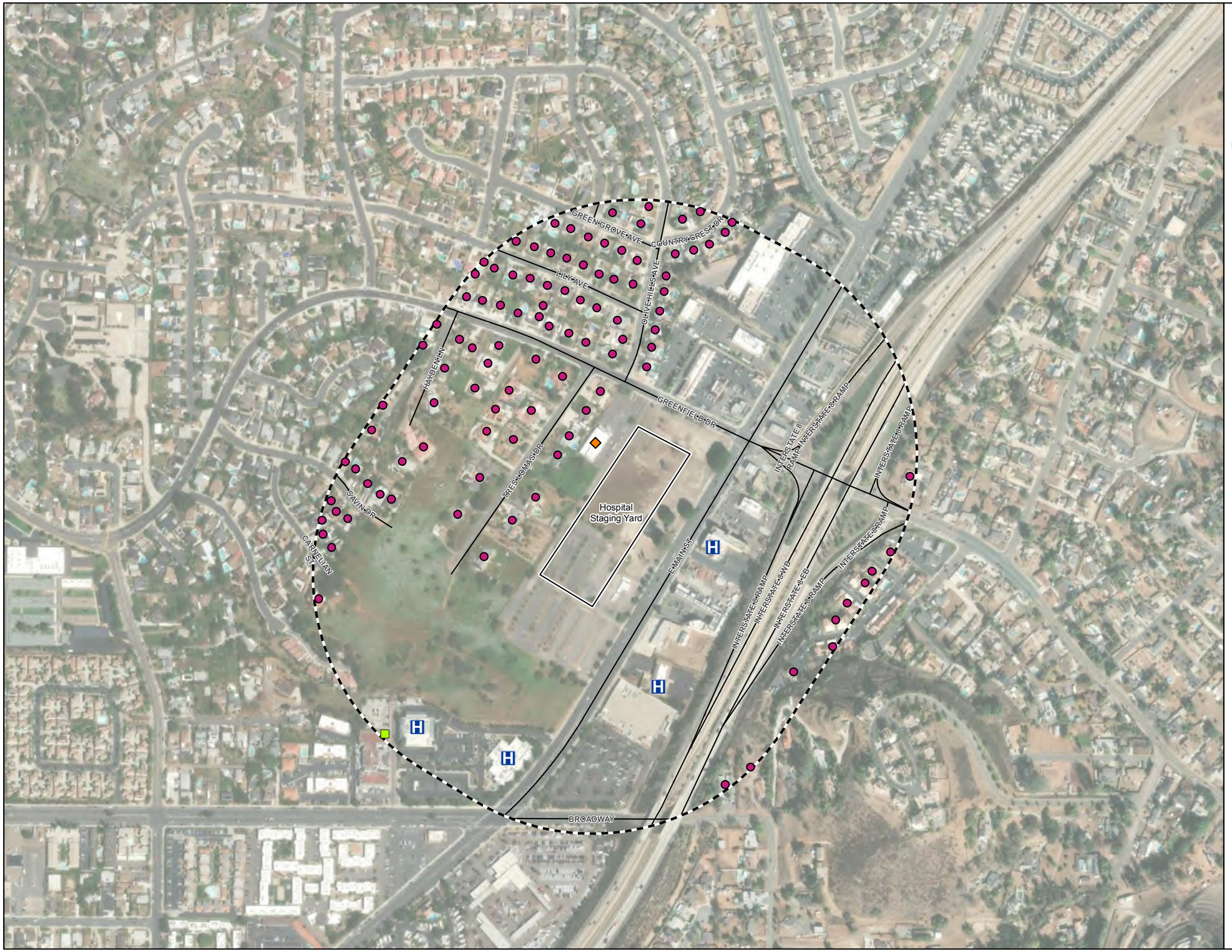
- Daycare Center
- Residence
- School



1:5,000

0 400 800 Feet

SDGE



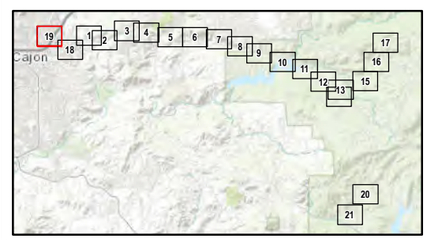
Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 19 of 21

Suncrest 230 Kilovolt Loop-In Project

- Public Road
- Staging Yard
- 1000 Foot Buffer

Sensitive Receptor

- Hospital
- Places of Worship
- Residence
- Retirement/Nursing Home



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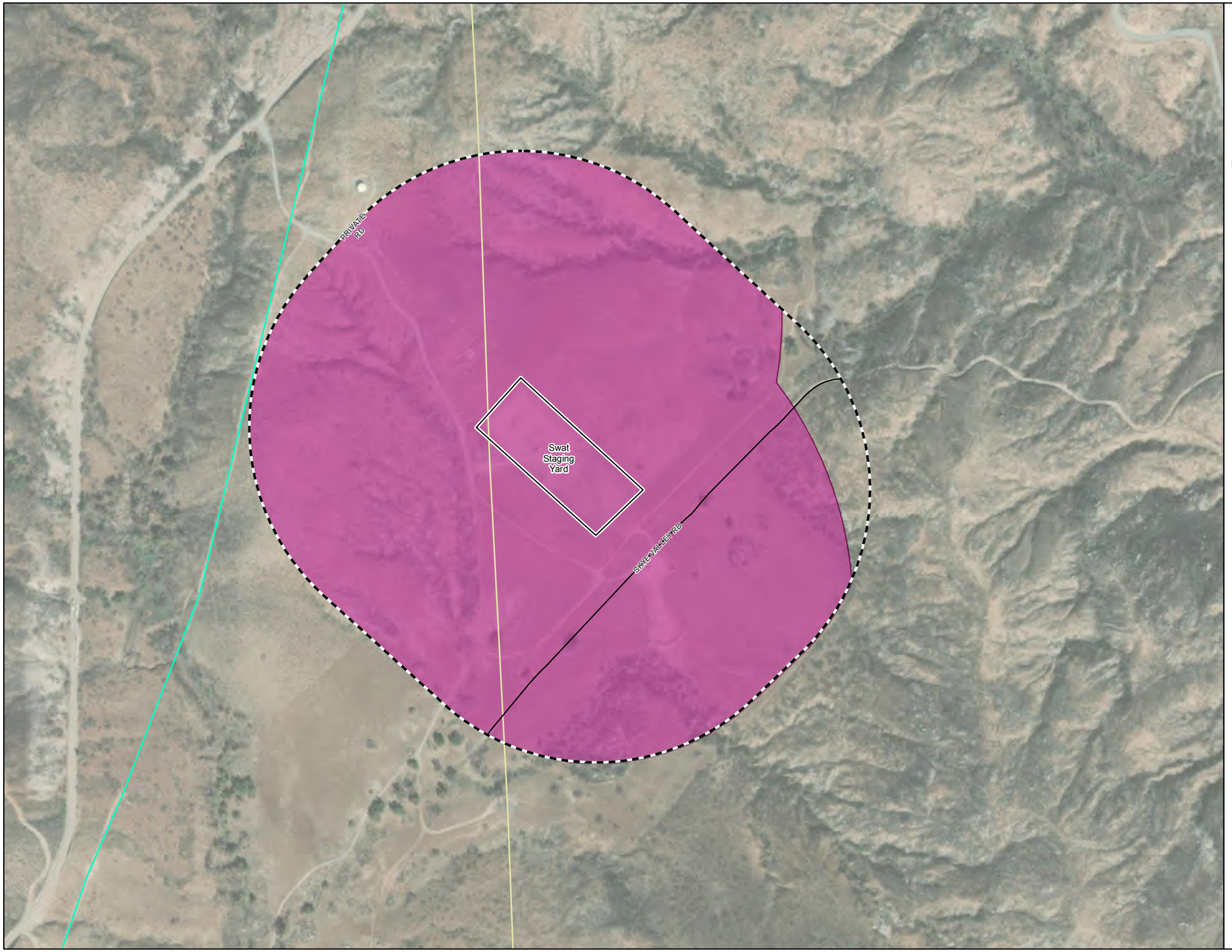
0 400 800 Feet

SDGE



Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 20 of 21

Suncrest 230 Kilovolt Loop-In Project

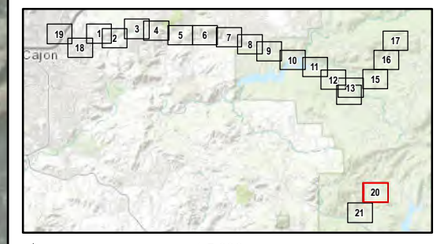
- Private Road
- Public Road
- Staging Yard
- 1000 Foot Buffer

SDG&E Existing Transmission Line

- 69 kV
- 500 kV

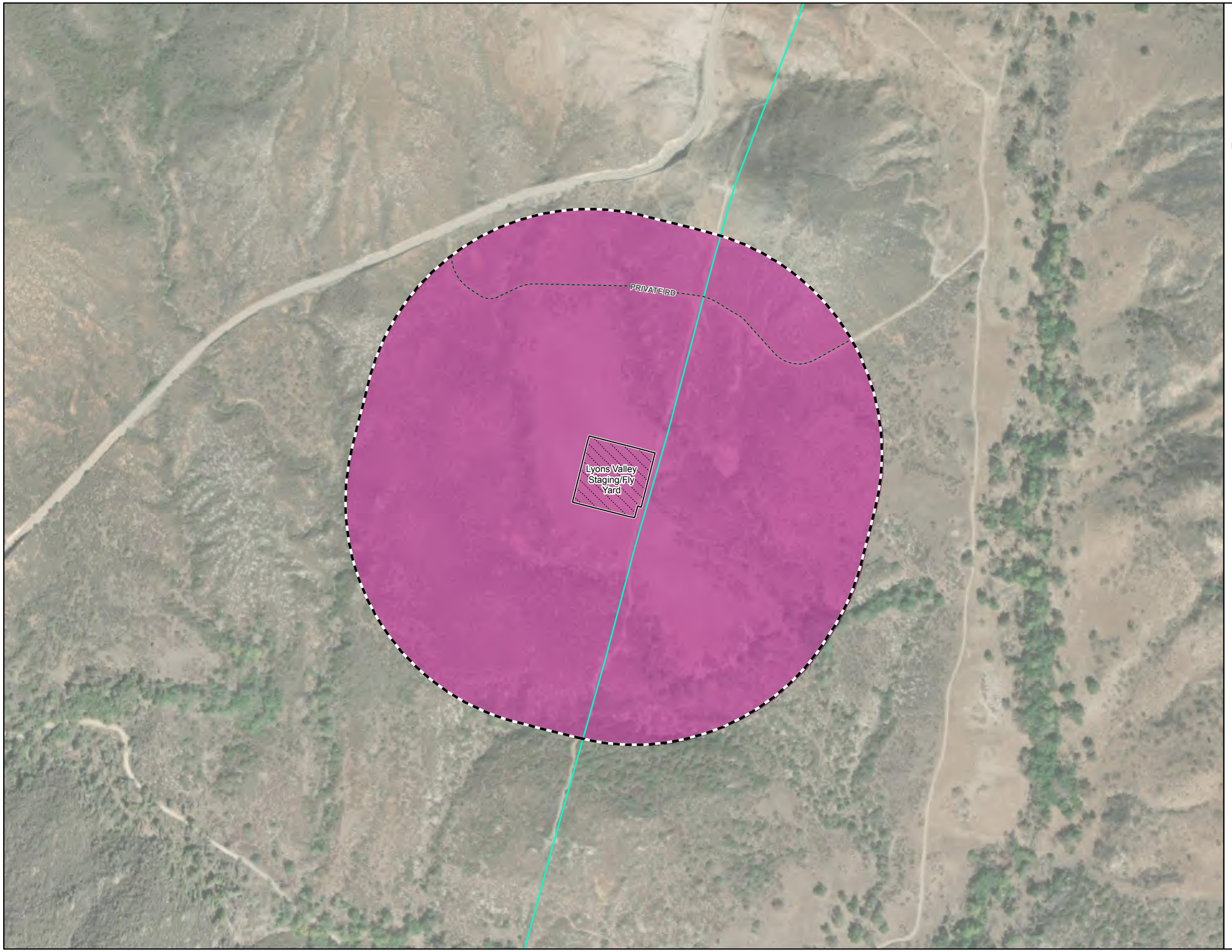
Critical Habitat

- Hermes Copper Butterfly



1:5,000
0 400 800 Feet

SDGE



Attachment A:
Values at Risk within
1,000 feet of the Proposed Project
Map 21 of 21

Suncrest 230 Kilovolt Loop-In Project

Private Road

Staging Yard/Fly Yard

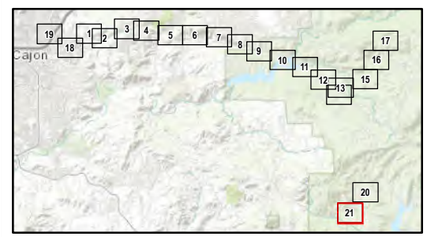
1000 Foot Buffer

SDG&E Existing Transmission Line

69 kV

Critical Habitat

Hermes Copper Butterfly



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0 400 800 Feet

SDGE

ATTACHMENT B: PREDICTED RATE OF SPREAD DURING EIGHT-MILE-PER-HOUR EASTERLY WINDS

Attachment B: Predicted Rate of Spread
During Eight-Mile-Per-Hour Easterly Winds
Map 1 of 6

Suncrest
230 Kilovolt Loop-In Project

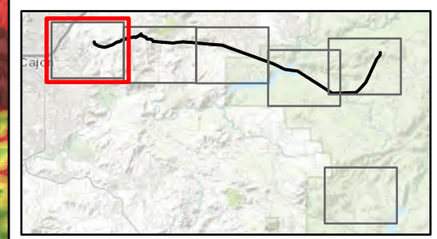
Proposed 230 kV Western UG Segment

Staging Yard

Rate of Spread - 8 mph at 90é

Feet per Minute

- 0 - 1
- 1 - 10
- 10 - 20
- 20 - 30
- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 70
- 70 - 80
- 80 - 90
- 90 - 100
- >100



1:17,000

0 0.25 0.5 Miles

SDGE

Attachment B: Predicted Rate of Spread
During Eight-Mile-Per-Hour Easterly Winds
Map 2 of 6

Suncrest
230 Kilovolt Loop-In Project

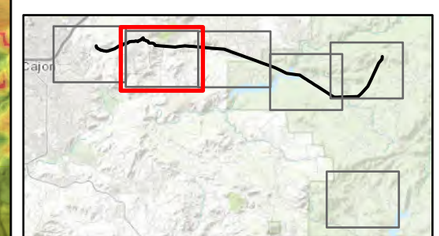
Proposed 230 kV OH Segment

Proposed 230 kV Western UG Segment

Rate of Spread - 8 mph at 90é

Feet per Minute

- 0 - 1
- 1 - 10
- 10 - 20
- 20 - 30
- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 70
- 70 - 80
- 80 - 90
- 90 - 100
- >100



1:17,000

0 0.25 0.5 Miles

SDGE

Attachment B: Predicted Rate of Spread
During Eight-Mile-Per-Hour Easterly Winds
Map 3 of 6

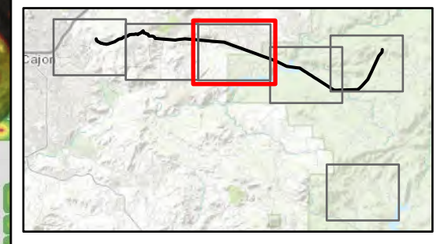
Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment

Rate of Spread - 8 mph at 90é

Feet per Minute

- 0 - 1
- 1 - 10
- 10 - 20
- 20 - 30
- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 70
- 70 - 80
- 80 - 90
- 90 - 100
- >100



1:17,000

0 0.25 0.5 Miles

SDGE

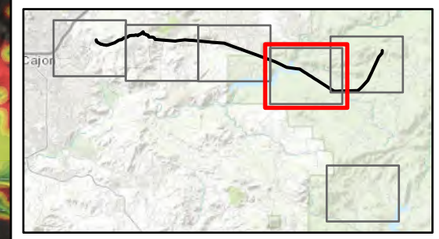
Attachment B: Predicted Rate of Spread
During Eight-Mile-Per-Hour Easterly Winds
Map 4 of 6

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment
Fly Yard
Staging Yard
Staging/Fly Yard

Rate of Spread - 8 mph at 90é
Feet per Minute

0 - 1
1 - 10
10 - 20
20 - 30
30 - 40
40 - 50
50 - 60
60 - 70
70 - 80
80 - 90
90 - 100
>100



1:17,000
0 0.25 0.5 Miles

SDGE

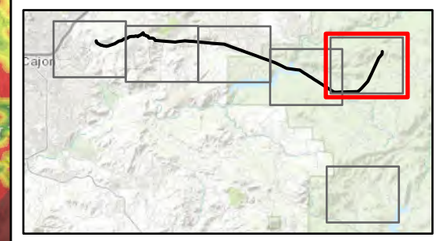
Attachment B: Predicted Rate of Spread
During Eight-Mile-Per-Hour Easterly Winds
Map 5 of 6

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment
Proposed 230 kV Eastern UG Segment
Existing Suncrest Substation

Rate of Spread - 8 mph at 90é
Feet per Minute

0 - 1
1 - 10
10 - 20
20 - 30
30 - 40
40 - 50
50 - 60
60 - 70
70 - 80
80 - 90
90 - 100
>100



1:17,000
0 0.25 0.5 Miles

SDGE

Attachment B: Predicted Rate of Spread
During Eight-Mile-Per-Hour Easterly Winds
Map 6 of 6

Suncrest
230 Kilovolt Loop-In Project

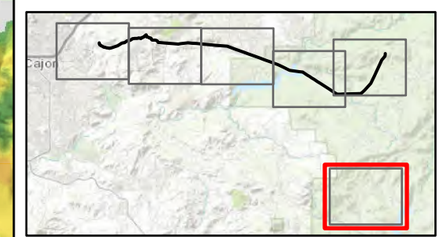
Staging Yard

Staging/Fly Yard

Rate of Spread - 8 mph at 90é

Feet per Minute

- 0 - 1
- 1 - 10
- 10 - 20
- 20 - 30
- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 70
- 70 - 80
- 80 - 90
- 90 - 100
- >100



1:17,000

0 0.25 0.5 Miles

SDGE

ATTACHMENT C: PREDICTED FLAME LENGTH DURING EIGHT-MILE-PER-HOUR EASTERLY WINDS

Attachment C: Predicted Flame Length
During Eight-Mile-Per-Hour Easterly Winds
Map 1 of 6

Suncrest
230 Kilovolt Loop-In Project

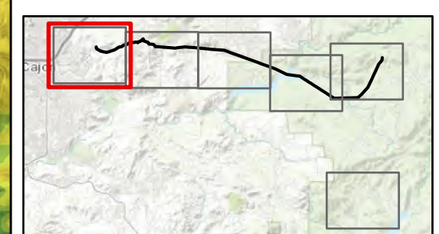
Proposed 230 kV Western UG Segment

Staging Yard

Flame Length - 8 mph at 90é

Feet

- 0 - 1
- 1 - 5
- 5 - 10
- 10 - 15
- 15 - 20
- 20 - 25
- 25 - 30
- 30 - 61



1:17,000

0 0.25 0.5 Miles

SDGE

Attachment C: Predicted Flame Length
During Eight-Mile-Per-Hour Easterly Winds
Map 2 of 6

Suncrest
230 Kilovolt Loop-In Project

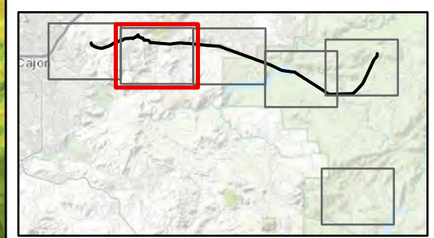
Proposed 230 kV OH Segment

Proposed 230 kV Western UG Segment

Flame Length - 8 mph at 90é

Feet

- 0 - 1
- 1 - 5
- 5 - 10
- 10 - 15
- 15 - 20
- 20 - 25
- 25 - 30
- 30 - 61



1:17,000

0 0.25 0.5 Miles

SDGE

Attachment C: Predicted Flame Length
During Eight-Mile-Per-Hour Easterly Winds
Map 3 of 6

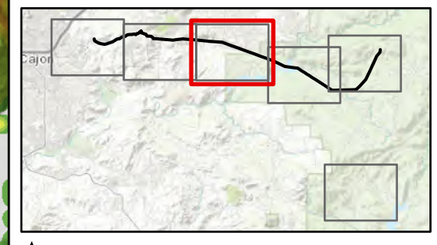
Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment

Flame Length - 8 mph at 90é

Feet

- 0 - 1
- 1 - 5
- 5 - 10
- 10 - 15
- 15 - 20
- 20 - 25
- 25 - 30
- 30 - 61



1:17,000

0 0.25 0.5 Miles

SDGE

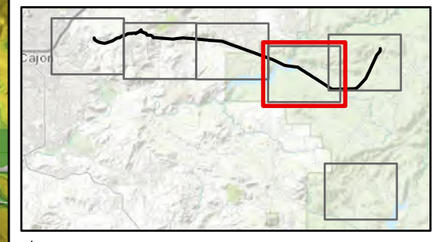
Attachment C: Predicted Flame Length
During Eight-Mile-Per-Hour Easterly Winds
Map 4 of 6

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment
Fly Yard
Staging Yard
Staging/Fly Yard

Flame Length - 8 mph at 90é
Feet

0 - 1
1 - 5
5 - 10
10 - 15
15 - 20
20 - 25
25 - 30
30 - 61



1:17,000
0 0.25 0.5 Miles

SDGE

Attachment C: Predicted Flame Length
During Eight-Mile-Per-Hour Easterly Winds
Map 5 of 6

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment

Proposed 230 kV Eastern UG Segment

Existing Suncrest Substation

Flame Length - 8 mph at 90é

Feet

0 - 1

1 - 5

5 - 10

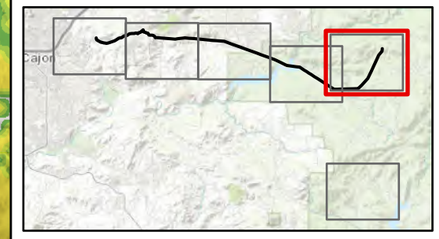
10 - 15

15 - 20

20 - 25

25 - 30

30 - 61



1:17,000

0 0.25 0.5 Miles

SDGE

Attachment C: Predicted Flame Length
During Eight-Mile-Per-Hour Easterly Winds
Map 6 of 6

Suncrest
230 Kilovolt Loop-In Project

Staging Yard

Staging/Fly Yard

Flame Length - 8 mph at 90é

Feet

0 - 1

1 - 5

5 - 10

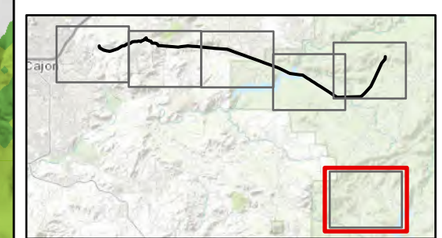
10 - 15

15 - 20

20 - 25

25 - 30

30 - 61



1:17,000

0 0.25 0.5 Miles

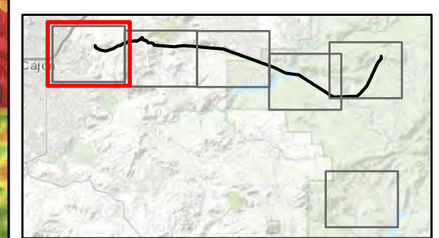
SDGE

ATTACHMENT D: PREDICTED RATE OF SPREAD DURING 13-MILE-PER-HOUR SOUTHWESTERLY WINDS

Attachment D: Predicted Rate of Spread
During 13-Mile-Per-Hour Southwesterly Winds
Map 1 of 6

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV Western UG Segment
Staging Yard
Rate of Spread - 13mph at 225é
Feet per Minute
0 - 1
1 - 10
10 - 20
20 - 30
30 - 40
40 - 50
50 - 60
60 - 70
70 - 80
80 - 90
90 - 100
>100



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0 0.25 0.5 Miles

SDGE

Attachment D: Predicted Rate of Spread
During 13-Mile-Per-Hour Southwesterly Winds
Map 2 of 6

Suncrest
230 Kilovolt Loop-In Project

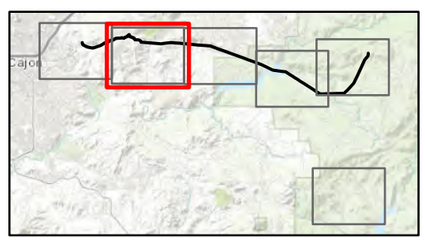
Proposed 230 kV OH Segment

Proposed 230 kV Western UG Segment

Rate of Spread - 13mph at 225é

Feet per Minute

- 0 - 1
- 1 - 10
- 10 - 20
- 20 - 30
- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 70
- 70 - 80
- 80 - 90
- 90 - 100
- >100



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0 0.25 0.5 Miles

SDGE

Attachment D: Predicted Rate of Spread
During 13-Mile-Per-Hour Southwesterly Winds
Map 3 of 6

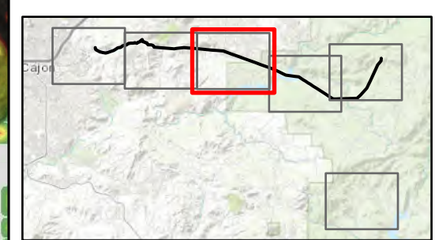
Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment

Rate of Spread - 13mph at 225é

Feet per Minute

- 0 - 1
- 1 - 10
- 10 - 20
- 20 - 30
- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 70
- 70 - 80
- 80 - 90
- 90 - 100
- >100



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0 0.25 0.5 Miles

SDGE

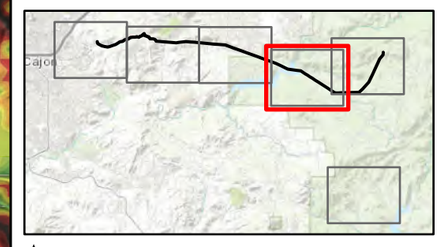
Attachment D: Predicted Rate of Spread
During 13-Mile-Per-Hour Southwesterly Winds
Map 4 of 6

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment
Fly Yard
Staging Yard
Staging/Fly Yard

Rate of Spread - 13mph at 225é
Feet per Minute

0 - 1
1 - 10
10 - 20
20 - 30
30 - 40
40 - 50
50 - 60
60 - 70
70 - 80
80 - 90
90 - 100
>100



1:17,000
0 0.25 0.5 Miles

SDGE

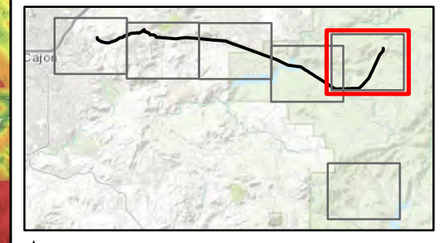
Attachment D: Predicted Rate of Spread
During 13-Mile-Per-Hour Southwesterly Winds
Map 5 of 6

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment
Proposed 230 kV Eastern UG Segment
Existing Suncrest Substation

Rate of Spread - 13mph at 225é
Feet per Minute

0 - 1
1 - 10
10 - 20
20 - 30
30 - 40
40 - 50
50 - 60
60 - 70
70 - 80
80 - 90
90 - 100
>100



1:17,000
0 0.25 0.5 Miles

SDGE

Attachment D: Predicted Rate of Spread
During 13-Mile-Per-Hour Southwesterly Winds
Map 6 of 6

Suncrest
230 Kilovolt Loop-In Project

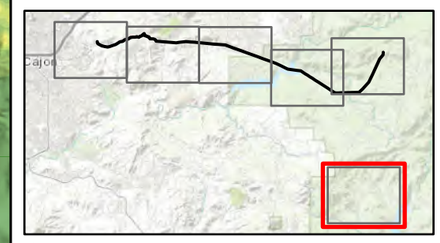
Staging Yard

Staging/Fly Yard

Rate of Spread - 13mph at 225é

Feet per Minute

- 0 - 1
- 1 - 10
- 10 - 20
- 20 - 30
- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 70
- 70 - 80
- 80 - 90
- 90 - 100
- >100



1:17,000

0 0.25 0.5 Miles

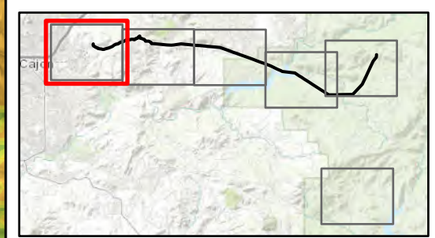
SDGE

ATTACHMENT E: PREDICTED FLAME LENGTH DURING 13-MILE-PER-HOUR SOUTHWESTERLY WINDS

Attachment E: Predicted Flame Length
During 13-Mile-Per-Hour Southwesterly Winds
Map 1 of 6

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV Western UG Segment
Staging Yard
Flame Length - 13 mph at 225é
Feet
0 - 1
1 - 5
5 - 10
10 - 15
15 - 20
20 - 25
25 - 30
30 - 65



1:17,000
0 0.25 0.5 Miles

SDGE

Attachment E: Predicted Flame Length
During 13-Mile-Per-Hour Southwesterly Winds
Map 2 of 6

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment

Proposed 230 kV Western UG Segment

Flame Length - 13 mph at 225é

Feet

0 - 1

1 - 5

5 - 10

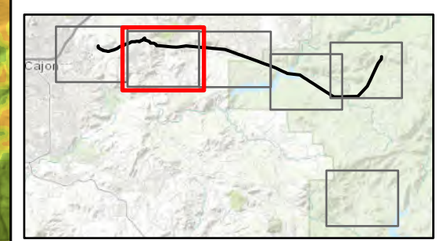
10 - 15

15 - 20

20 - 25

25 - 30

30 - 65



1:17,000

0 0.25 0.5 Miles

SDGE

Attachment E: Predicted Flame Length
During 13-Mile-Per-Hour Southwesterly Winds
Map 3 of 6

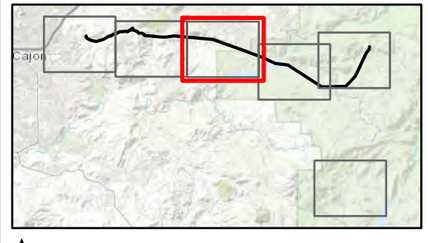
Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment

Flame Length - 13 mph at 225é

Feet

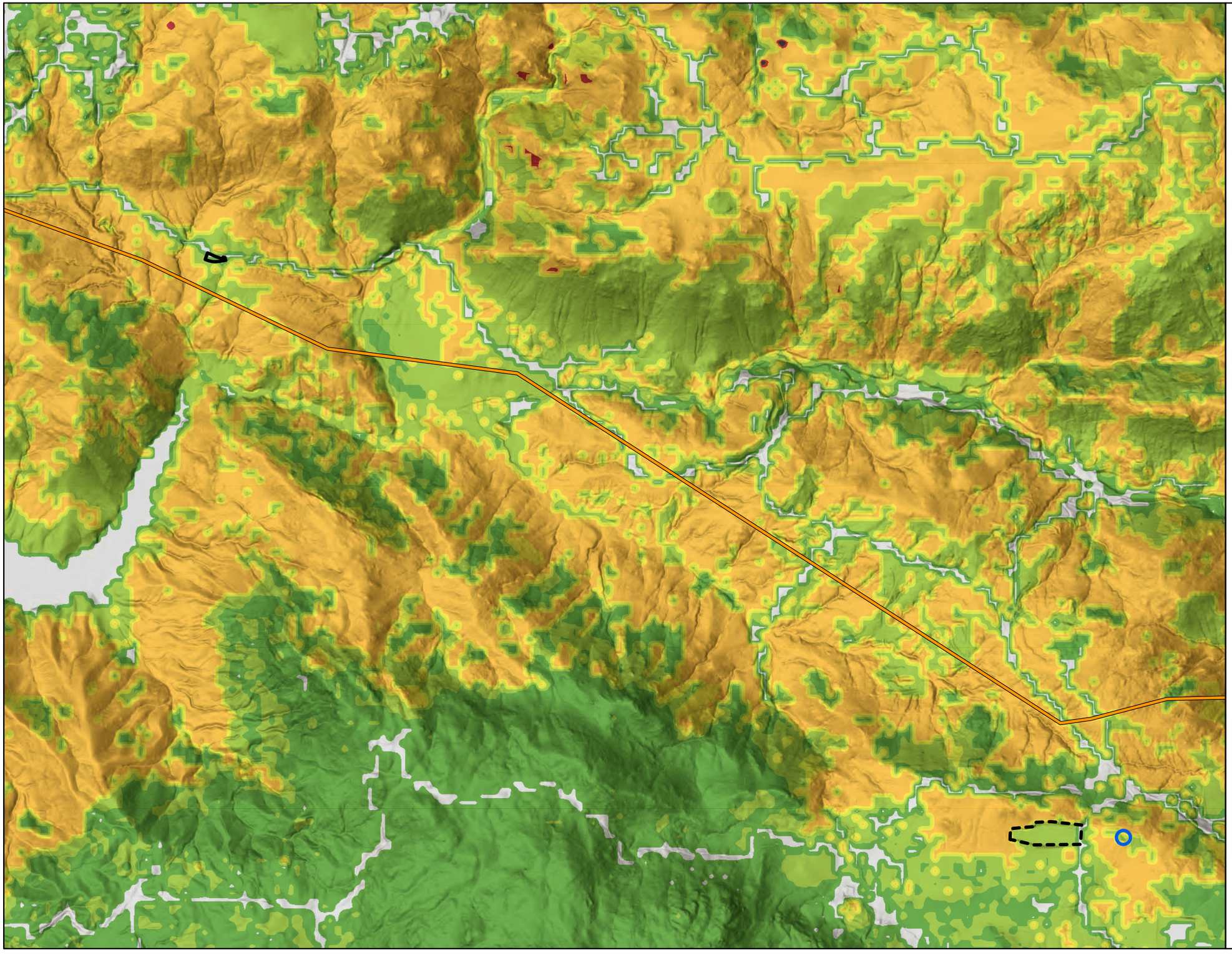
- 0 - 1
- 1 - 5
- 5 - 10
- 10 - 15
- 15 - 20
- 20 - 25
- 25 - 30
- 30 - 65



1:17,000

0 0.25 0.5 Miles

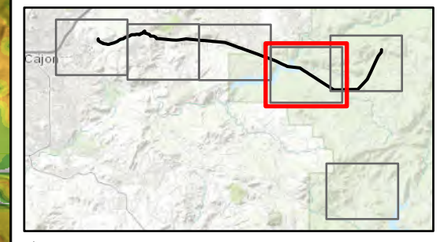
SDGE



Attachment E: Predicted Flame Length
During 13-Mile-Per-Hour Southwesterly Winds
Map 4 of 6

Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment
Fly Yard
Staging Yard
Staging/Fly Yard
Flame Length - 13 mph at 225é
Feet
0 - 1
1 - 5
5 - 10
10 - 15
15 - 20
20 - 25
25 - 30
30 - 65



1:17,000
0 0.25 0.5 Miles

SDGE

Attachment E: Predicted Flame Length
During 13-Mile-Per-Hour Southwesterly Winds
Map 5 of 6

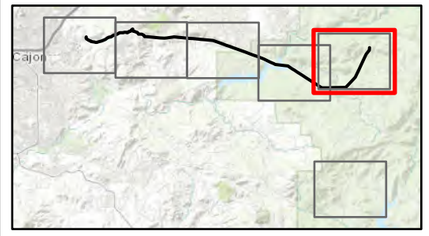
Suncrest
230 Kilovolt Loop-In Project

Proposed 230 kV OH Segment
Proposed 230 kV Eastern UG Segment
Existing Suncrest Substation

Flame Length - 13 mph at 225é

Feet

0 - 1
1 - 5
5 - 10
10 - 15
15 - 20
20 - 25
25 - 30
30 - 65



1:17,000

0 0.25 0.5 Miles

SDGE

Attachment E: Predicted Flame Length
During 13-Mile-Per-Hour Southwesterly Winds
Map 6 of 6

Suncrest
230 Kilovolt Loop-In Project

Staging Yard

Staging/Fly Yard

Flame Length - 13 mph at 225é

Feet

0 - 1

1 - 5

5 - 10

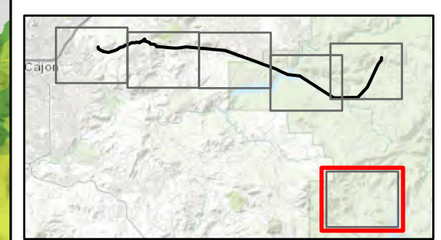
10 - 15

15 - 20

20 - 25

25 - 30

30 - 65



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0 0.25 0.5 Miles

SDGE