

## Notice of Exemption

## Appendix E

**To:** Office of Planning and Research  
P.O. Box 3044, Room 113  
Sacramento, CA 95812-3044

County Clerk

County of: Calaveras

891 Mountain Ranch Road, Building D

San Andreas, CA, 95249

**From:** (Public Agency): Calaveras County Water District  
120 Toma Court, San Andreas, CA, 95249

(Address)

Project Title: Reeds Turnpike Booster Pump Station Project

Project Applicant: Calaveras County Water District

Project Location - Specific:

Northeast corner of Assessors' Parcel Number (APN) 054011037

Project Location - City: Copperopolis

Project Location - County: Calaveras

Description of Nature, Purpose and Beneficiaries of Project:

Calaveras County Water District (CCWD) (CEQA lead agency) proposes the Reeds Turnpike Booster Pump Station (BPS) Project (proposed project) to replace an existing small-outdated BPS with a modern, larger BPS equipped with an emergency backup generator. The proposed project is needed to adequately serve an approved residential development near the project site.

Name of Public Agency Approving Project: Calaveras County Water District

Name of Person or Agency Carrying Out Project: Calaveras County Water District

Exempt Status: **(check one):**

☐ Ministerial (Sec. 21080(b)(1); 15268);

☐ Declared Emergency (Sec. 21080(b)(3); 15269(a));

☐ Emergency Project (Sec. 21080(b)(4); 15269(b)(c));

☒ Categorical Exemption. State type and section number: 15302(c)

☐ Statutory Exemptions. State code number: \_\_\_\_\_

Reasons why project is exempt:

Project will reconstruct the publicly owned existing booster pump station. The project will be located at the same site and will have substantially the same purpose and capacity as the structure replaced.

Lead Agency

Contact Person: Kevin Williams Area Code/Telephone/Extension: 209-754-3184

**If filed by applicant:**

1. Attach certified document of exemption finding.

2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature: *Kevin Williams* Date: 12/2/2024 Title: Senior Civil Engineer

Signed by Lead Agency

Signed by Applicant

Authority cited: Sections 21083 and 21110, Public Resources Code.

Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

Date Received for filing at OPR: \_\_\_\_\_



# CEQA CATEGORICAL EXEMPTION MEMORANDUM

**PREPARED FOR:** Kevin Williams, Calaveras County Water District

**PREPARED BY:** Dewberry, Abi Lloyd, Staff Environmental Scientist

**DATE:** November 18, 2024

**SUBJECT:** Reeds Turnpike Booster Pump Station Project – California Environmental Quality Act Categorical Exemption Memorandum

## 1. Introduction

Calaveras County Water District (CCWD) (California Environmental Quality Act [CEQA] lead agency) proposes the Reeds Turnpike Booster Pump Station (BPS) Project (proposed project) to replace an existing small-outdated BPS with a modern, larger BPS equipped with an emergency backup generator. The proposed project is needed to adequately serve an approved residential development near the project site.

This memorandum provides analysis supporting the proposed project's exempt status under CEQA through a Categorical Exemption (CE). A Notice of Exemption (NOE) along with this CE Memorandum will be submitted to the Calaveras County Clerk as well as to the Office of Land Use and Climate Innovation through the California State Clearinghouse as required by Senate Bill 69 (SB 69) (enacted on January 1, 2024).

## 2. Project Location and Description

The proposed project would be located on the northeast corner of Assessors' Parcel Number (APN) 054011037 (physical address 1142 Reeds Turnpike), a 6.3-acre property in unincorporated Calaveras County in the community of Copperopolis. The parcel is currently occupied by an existing BPS housed in a small masonry building and a single-family residential unit. The proposed project would be developed on a CCWD-owned easement of the parcel. Figure 1 and Figure 2 in Attachment A show the location of the project site on a regional and local basis, respectively.

Implementation of the proposed project would include the development of several components, including:

- Installation of a 6-foot-tall perimeter chain link fence
- Development of a 198-square foot, 9-foot-tall masonry building that would house the new BPS.
- A 60-square-foot concrete pad adjacent to the masonry building for placement of a backup generator (within a sound enclosure).

- A new access road (asphalt concrete) to the proposed project connecting to the existing driveway of the single-family residential parcel. An access control gate would also be installed.
- A 4-inch diameter drain pipe connecting the new BPS to a drainage area of rock rip-rap adjacent to the south side of Reeds Turnpike
- Two 6-inch diameter water pipes connecting the BPS to the existing water pipeline infrastructure.

Once the proposed project is operational, the existing BPS, small masonry building, and its components would be removed from the project site. Construction is anticipated to take 18 months with the proposed project becoming operational in July 2026.

### **3. Environmental Resource Discussion**

#### **3.1 Biological Resources**

Review of the United States Fish and Wildlife Service (USFWS), California Natural Diversity Database (CNDDB), and California Native Plant Society (CNPS) databases conducted for the proposed project determined that 18 special-status wildlife species and 4 special status plant species could potentially occur in the project area (Attachment B). The project site is currently occupied by manicured annual grassland that does not provide suitable habitat for the special-status wildlife species occurring in the project area. The site also does not provide adequate soil conditions and is out of elevation range for the identified special-status plant species. Thus, proposed project implementation would not affect special-status wildlife and special-status plant species.

The project area contains no wetland areas, riparian habitat, or natural communities. Thus, no impacts to riparian habitat, other sensitive natural community, wetlands or other waters of the United States or State would occur. Furthermore, the project site is not within or near a Habitat Conservation Plan (HCP) or Natural Community Conservation Plan (NCCP).

While tree removal is not necessary for this project, trees located along Reeds Turnpike in the vicinity of the project location could be used as nesting sites during bird breeding season. The proposed project includes Standard Conditions which address nesting birds during project construction in compliance with the Migratory Bird Treaty Act (MBTA), outlined below in Section 6.2.

Overall, biological resources would not be impacted by proposed project implementation.

#### **3.2 Historic/Cultural Resources**

Areas in the proposed project vicinity are designated as moderate to high sensitivity for cultural resources (Calaveras County, 2018). Based on the sensitivity of the area, a California Historical Resources Information System (CHRIS) records search was conducted on October 8<sup>th</sup>, 2024, which identified no recorded cultural resources at the project site. A qualified cultural resource specialist surveyed the site on November 13<sup>th</sup>,

2024, and found no potential cultural resources on the ground surface of the project site. Additionally, the project site was previously disturbed by the construction of the existing BPS, making discovery of cultural resources less likely. Nevertheless, construction activities occurring on the project site requiring below surface excavation/trenching could reveal previously undiscovered cultural resources. In the event this occurs, the construction contractor would comply with the cultural resource Standard Conditions, as outlined below in Section 6.3. Overall, historic/cultural resources would not be impacted by project implementation.

### **3.3 Hazardous Materials**

The proposed project involves the short-term use of construction equipment which could result in unanticipated oil or related fluid leaks; however, the handling of hazardous materials during construction activities would occur in accordance with applicable federal, state, and local law requirements. Implementation of standard construction best management practices (BMPs), compliance with vehicle manufacturer's specifications, and compliance with applicable regulations would address methods for containing accidental spills of toxic materials. The nearest school, Copperopolis Elementary School, is located 0.7 mile to the northeast of the project site, therefore no potential impacts to this school is anticipated.

A review of the DTSC database, EnviroStor, which lists hazardous materials sites compiled pursuant to California Government Code Section 65962.5; the State Water Resources Control Board (SWRCB) database, GeoTracker, which provides information on Leaking Underground Storage Tanks (LUST) and other cleanup sites; and EPA's Toxic Release Inventory (EPA TRI) databases no hazardous materials sites directly associated with the project area were identified (DTSC, 2024; SWRCB, 2024; EPA, 2022). The closest active site to the proposed project is the Copperopolis Mines, located 0.3 mile east from the project site (SWRCB, 2024). The identified hazard is potential surface water and groundwater contamination from acid mine drainage and copper. The potentially affected surface water does not flow near the site, and any trenching done for the proposed project would be no greater than 4 feet, which is shallower than the groundwater table. Therefore, there would be no potential impacts associated with hazards from the Copperopolis Mines.

Mapping prepared by the California Division of Mines and Geology confirms that the project site is not in an area known for ultramafic rock containing naturally occurring asbestos (NOA).

Overall, impacts associated with hazards and hazardous materials would not occur with project implementation.

### **3.4 Noise**

Pursuant to Section 9.02.060 of the Calaveras County Code of Ordinances, noise from construction activities is exempt from the County's Noise Ordinance, provided that all construction in or adjacent to residential areas is limited to the daytime hours of 7:00

a.m. to 6:00 p.m. The Calaveras County General Plan includes Policies N 1.3 and N 1.4 that both provide exemptions for temporary construction noise. The nearest sensitive receiver to the project site is a residential home on the same parcel, located 260 feet southeast from where construction activity would occur.

Construction of the BPS would contribute to temporary construction noise. The proposed project would require the use of a backhoe, concrete saw, front loader, and pneumatic tools. The hourly noise level with the concurrent use of these pieces of construction equipment is estimated to be 70.5 dBA  $L_{eq}$  at the project site and 56.2 dBA  $L_{eq}$  at the nearest sensitive receiver. As Calaveras County exempts construction noise, no impact would occur during project construction. Furthermore, the estimated noise level at the closest sensitive receiver would be less than 60 dBA  $L_{eq}$ , the County's daytime noise level standard for residential properties (Calaveras, 2018). Nevertheless, the Standard Conditions presented below in Section 6.4 would be incorporated as part of the project design to ensure that construction noise levels remain below the 60 dBA  $L_{eq}$  standard for residential uses.

The proposed project includes a new backup generator (within a sound enclosure) that would infrequently contribute to operational noise from the project. The backup generator is estimated to generate a noise level of 69.9 dBA  $L_{eq}$  measured from 23 feet (Kohler, 2022). Based on 260 feet, the single-family residential unit on the parcel would be exposed to an estimated noise level of 48.8 dBA  $L_{eq}$  when the generator is operating. This does not exceed the Calaveras County residential noise level standards; therefore, the backup generator operations would not create a substantial permanent increase in ambient noise levels. The BPS would not generate noise levels above those of the existing BPS which currently do not exceed Calaveras County noise standards for residential units.

Overall, impacts associated with noise would not occur during project construction or operation.

#### **4. California Environmental Quality Act (CEQA) Analysis**

CEQA CEs represent activities that generally do not result in significant environmental impacts. The Secretary of the Resource Agency has established a list of classes of projects, which have been determined not to have a significant effect on the environment and are therefore exempt from the provisions of CEQA, provided several exception criteria are met (CEQA Guidelines Section 15300-15332). The proposed project would be eligible as a CE under Class 2, Replacement or Reconstruction (Section 15302(c)), replacement or reconstruction of existing utility systems and/or facilities involving negligible or no expansion of capacity. Table 1, below, discusses and provides justification for CEQA compliance with exception criteria listed under CEQA Guidelines Section 15300.



**TABLE 1: Exemption Discussion**

Exemption	Discussion
(a) Location. Classes 3, 4, 5, 6, and 11 are qualified by consideration of where the project is to be located – a project that is ordinarily insignificant in its impact on the environment may in a particularly sensitive environment be significant. Therefore, these classes are considered to apply all instances, except where the project may impact on an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies.	The proposed project is exempt under Class 2. The project would not fall under exempt class 3, 4, 5, 6, or 11.
(b) Cumulative Impact. All exemptions for these classes are inapplicable when the cumulative impact of successive projects of the same type in the same place, over time is significant.	The proposed project is proposed by CCWD and is needed to provide adequate water service to an approved residential development. The project would replace an existing BPS and would not require additional water supply. The project is not growth inducing.
(c) Significant Effect. A categorical exemption shall not be used for an activity where there is a reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances.	There are no unusual circumstances of concern involved with the proposed project. The analysis presented above in Section 4.0 concludes that significant effects would not occur to biological resources, or cultural/historical resources or due to hazardous materials or noise.
(d) Scenic Highways. A categorical exemption shall not be used for a project which may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a state scenic highway. This does not apply to improvements which are required as mitigation by an adopted negative declaration or certified EIR.	There are no visual or scenic resources in the project vicinity. There are also no officially designated nor eligible scenic highways near the proposed project.
(e) Hazardous Waste Sites. A categorical exemption shall not be used for a project located on a site which is included on any list compiled pursuant to Section 65962.5 of the Government Code.	The review of EnviroStor and GeoTracker identified no hazardous materials sites directly associated with the project site. The proposed project is not located on a listed hazardous materials site.
(f) Historical Resources. A categorical exemption shall not be used for a project which may cause a substantial adverse change in the significance of a historical resources.	A records search and field survey found no historical or cultural resources within the project site. The proposed project would not cause a substantial adverse change to a historic resource.

## **5. Determination**

In accordance with CEQA, each public agency shall, in the course of establishing its own procedures, list those specific activities which fall within each of the exempt classes, subject to the qualification that these lists must be consistent with both the letter and the intent expressed in the classes.

Based on a review of the project site, CEQA Guidelines, and the analysis above, the project would meet the requirements of a CE under CEQA.

## **6. Standard Conditions**

The following standard conditions will be included in bid packages and construction notices for implementation during construction.

### **6.1 Preconstruction Training**

Prior to commencing construction, all contractors will attend preconstruction training with CCWD staff to review project design conditions.

### **6.2 Nesting Birds**

If construction activities commence during or extend into the nesting season (February 1 to August 30), the contractor would follow construction standards during nesting season. A preconstruction nesting survey should be completed by a qualified biologist. If active nests (i.e., presence of eggs and/or chicks) are observed in areas that could be directly or indirectly disturbed (including noise disturbance), a temporary, species-appropriate no-disturbance buffer would be created around the nest sufficient to reasonably expect that breeding would not be disrupted. No work would occur inside the buffer. The size of the buffer would be determined by the biologist, by taking into account factors including, but not limited to, noise and human disturbance around the nest, the distance and amount of vegetation or other screening, and the sensitivity of the nesting bird species considering topography.

### **6.3 Unanticipated Cultural Resource/Human Remains Discoveries**

Due to the designation of the project area as having high to moderate potential for discovering historical or cultural resources, the potential exists for cultural resources to be encountered during construction. If a cultural resource is discovered during construction activities, the construction contractor will comply with the following provisions:

- The person discovering the cultural resource will notify the CCWD or the project's designated qualified cultural resource professional by telephone within four hours of the discovery or the next working day if the department is closed.
- When the cultural resource is located outside the area of disturbance, the project's designated qualified cultural resource professional will be allowed to photo document and record the resource and construction activities may continue during this process.
- When the cultural resource is located within the area of disturbance, all activities that may impact the resource will cease immediately upon discovery of the

resource. All activity that does not affect the cultural resource as determined by site's designated qualified cultural resource professional may continue. The project's designated qualified cultural resource professional will be allowed to conduct an evaluative survey to evaluate the significance of the cultural resource, which evaluation will be complete within 2 weeks of the discovery unless extraordinary circumstances require additional time.

- When the cultural resource is determined to be not significant, the project's designated qualified cultural resource professional will be allowed to photo document and record the resource. Construction activities may resume after authorization from the project's designated qualified professional.
- When a resource is determined to be significant, the resource will be avoided with said resource having boundaries established around its perimeter by the project's designated qualified cultural resource professional or a cultural resource management plan will be prepared by the project's designated qualified professional to establish measures formulated and implemented in accordance with Sections 21083.2 and 21084.1 of CEQA to address the effects of construction on the resource. The project's designated qualified cultural resource professional will be allowed to photo document and record the resource. Construction activities may resume after authorization from the project's designated qualified cultural resource professional. All further activity authorized by this permit will comply with the cultural resources management plan, if necessary.
- If human remains, burial, cremation or other mortuary features are uncovered during construction activities; upon discovery, secure the location, do not touch or remove remains and associated artifacts; do not remove associated spoils or go through them; document the location and keep notes of activity and correspondence. All work within 100 feet of the discovery will stop until the County Coroner can determine whether the remains are those of a Native American. If the remains are determined to be Native American, the coroner must contact the California Native American Heritage Commission to obtain the Most Likely Descendent (MLD) and follow state law (PRC 5097.98 and Health and Safety Code 7050.5(c)). No further work or disturbance will occur within 100 feet until all of the preceding actions, as applicable to the discovery, are implemented and completed. Preservation in situ is the preferred treatment of human remains and associated burial artifacts. [Public Resources Code Sections 5097.94, 5097.98 and Health and Safety Code Section 7050.5(c) and Section 15064.5 of the California Code of Regulations implementing the California Public Resources Code, Sections 21000-21177].

For the purposes of implementing this measure, a "qualified cultural resource professional" is an individual (e.g., historian or archaeologist) meeting the Secretary of the Interior's Qualification Standards a "cultural resource" is any building, structure, object, site, district, or other item of cultural, social, religious, economic, political, scientific, agricultural, educational, military, engineering or architectural significance to the citizens of Calaveras County, the State of California, or the nation which is 50 years



of age or older or has been listed on or is eligible for listing on the National Register of Historic Places, the California Register of Cultural Resources, or any local register.

#### **6.4 Construction Equipment Noise Control**

The following control measures should be implemented to minimize noise disturbances at sensitive receivers during the project construction period:

- Use newer equipment with improved muffling and ensure that all equipment items have the manufacturers' recommended noise abatement measures (such as mufflers, engine enclosures, and engine vibration isolators intact and operational). Newer equipment will generally be quieter in operation than older equipment. All construction equipment should be inspected at periodic intervals to ensure proper maintenance and presence of noise control devices (e.g., mufflers and shrouding).
- Utilize construction methods or equipment that will provide the lowest level of noise and ground vibration impact.
- Turn off idling equipment after no more than five minutes.
- Plan noisier operations during times of least sensitivity to receivers (daytime, weekday hours).
- Keep noise levels relatively uniform and avoid impulsive noises.
- Maintain good public relations with the community to minimize objections to the construction noise affects. The CCWD will provide a project description and project updates including the construction schedule on their website. In addition, the CCWD will provide public outreach brochures and hold at least one public meeting prior to construction to keep residents and local businesses informed of the project.
- Construction activities will be limited to 7:00 a.m. to 6:00 p.m. daily in compliance with Section 9.02.060 of the Calaveras County Code of Ordinances.

#### **7. References**

Calaveras County, Draft Environmental Impact Report Calaveras County Draft General Plan, June 2018.

California Department of Conservation, Division of Mines and Geology. Reported Historic Asbestos Mine, Historic Asbestos Prospects, and Other Natural Occurrences of Asbestos in California. 2011. Available Online: [https://www.conservation.ca.gov/cgs/Documents/Publications/Map-Sheets/MS\\_059\\_Plate.pdf](https://www.conservation.ca.gov/cgs/Documents/Publications/Map-Sheets/MS_059_Plate.pdf). Date Accessed: October 4, 2024.

California Department of Transportation. California State Scenic Highway System Map. Available Online: <https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aaca>. Date Accessed: October 4, 2024.

Department of Toxic Substances Control (DTSC). 2024. EnviroStor. Available Online: <https://www.envirostor.dtsc.ca.gov/public/>. Date Accessed: October 4, 2024.

Environmental Protection Agency (EPA). 2022. Toxic Release Inventory (TRI) Toxics Tracker. Available Online: <https://edap.epa.gov/public/extensions/TRIToxicsTracker/TRIToxicsTracker.html#continue>. Date Accessed: October 4, 2024.

Kohler Power Systems, 2022, Copper Cove LS-15 Job #156193, 100 REOZJF Emergency Generator Set, August 25, 2022.

State Water Resources Control Board (SWRCB). 2024. GeoTracker. Online: <https://geotracker.waterboards.ca.gov/>. Date Accessed: October 4, 2024

## **8. Attachments**

Attachment A: Figure 1 – Regional Location and Figure 2 – Project Vicinity

Attachment B: Special Status Species Lists

## ATTACHMENT A

FIGURE 1 - REGIONAL LOCATION

FIGURE 2 - PROJECT VICINITY

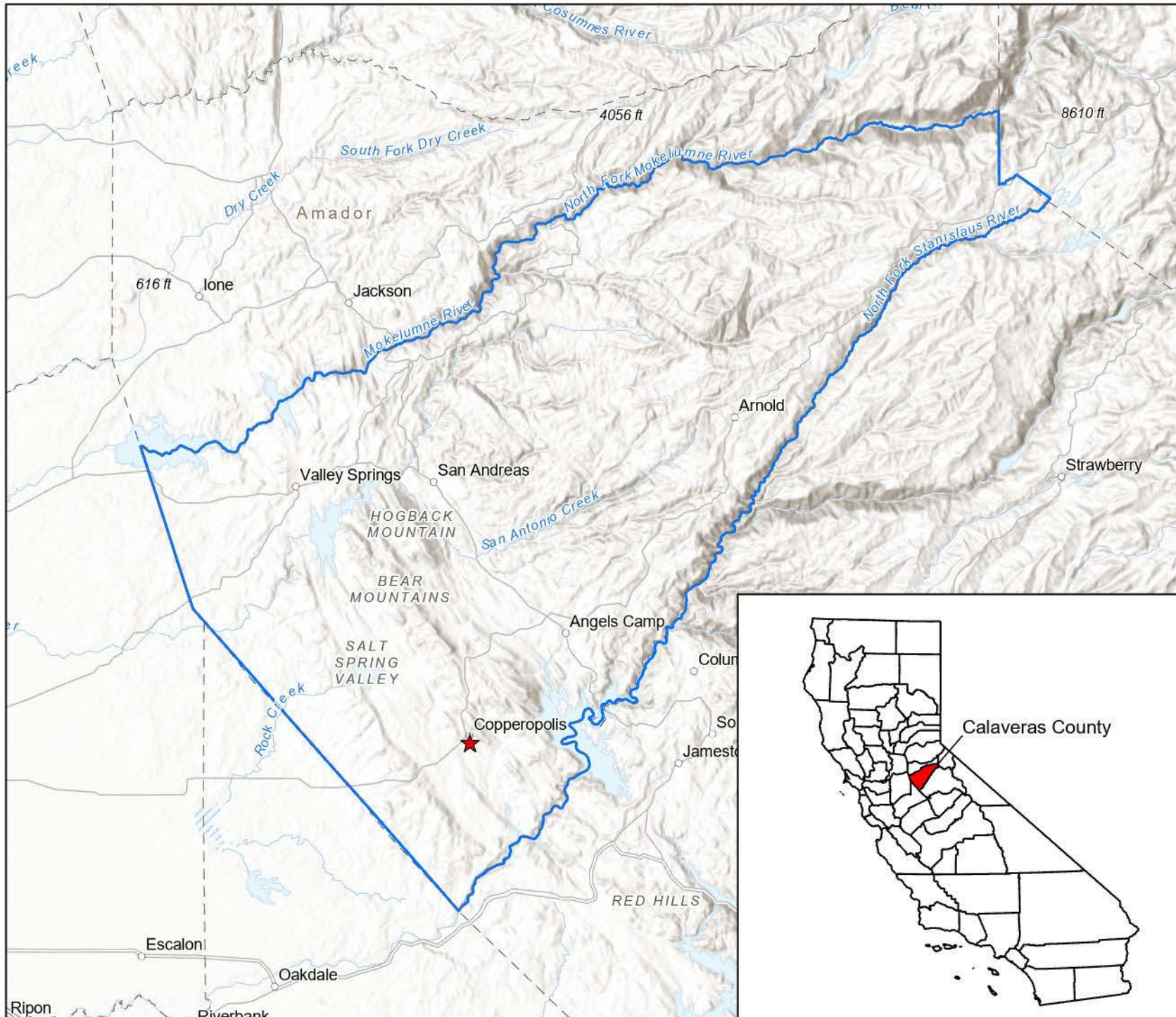
# Regional Location

## Reeds Turnpike Booster Pump Station Project Calaveras County, CA

Figure 1

### Legend

- ★ Project Location
- Calaveras County



0 6  
Miles



Author: A. Lloyd  
Last updated on Friday, October 4,  
2024





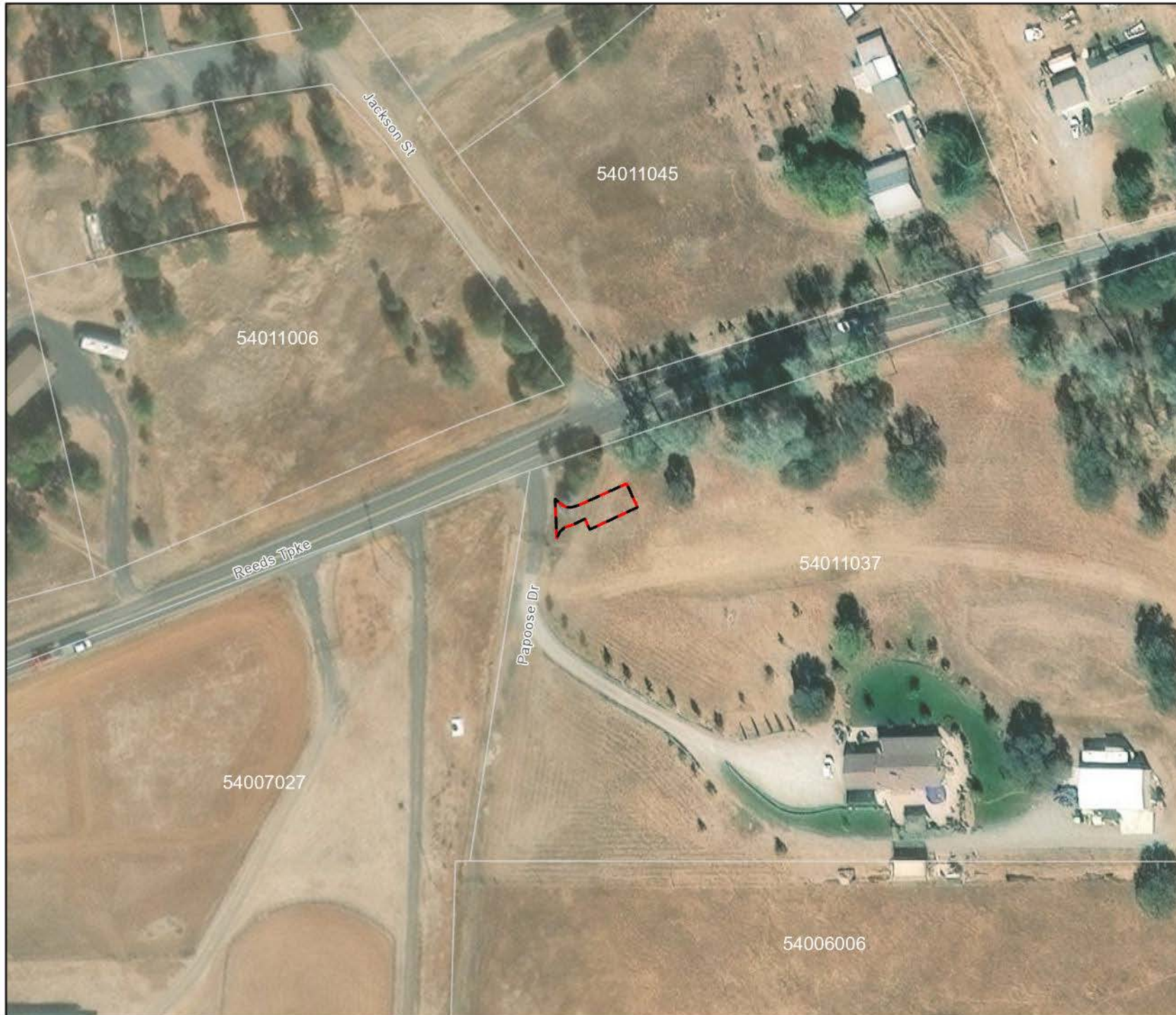
# Project Vicinity

## Reeds Turnpike Booster Pump Station Project Calaveras County, CA

Figure 2

### Legend

-  Project Area
-  Calaveras County  
Parcels



0 100  
Feet



Author: A. Lloyd  
Last updated on Friday, October 4,  
2024





ATTACHMENT B  
SPECIAL STATUS SPECIES TABLES

**Query Summary:**

Quad **IS** (Copperopolis (3712086) **OR** New Melones Dam (3712085) **OR** Knights Ferry (3712076) **OR** Keystone (3712075) **OR** Salt Spring Valley (3812016) **OR** Angels Camp (3812015) **OR** Oakdale (3712077) **OR** Bachelor Valley (3712087) **OR** Jenny Lind (3812017))

Print

Close

**CNDDB Element Query Results**

Scientific Name	Common Name	Taxonomic Group	Element Code	Total Occs	Returned Occs	Federal Status	State Status	Global Rank	State Rank	CA Rare Plant Rank	Other Status	Habitats
Ambystoma californiense pop. 1	California tiger salamander - central California DPS	Amphibians	AAAAA01181	1328	11	Threatened	Threatened	G2G3T3	S3	null	CDFW_WL-Watch List, IUCN_VU-Vulnerable	Cismontane woodland, Meadow & seep, Riparian woodland, Valley & foothill grassland, Vernal pool, Wetland
Spea hammondi	western spadefoot	Amphibians	AAABF02020	1443	3	Proposed Threatened	None	G2G3	S3S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened	Cismontane woodland, Coastal scrub, Valley & foothill grassland, Vernal pool, Wetland
Calicina breva	Stanislaus harvestman	Arachnids	ILARAU8020	1	1	None	None	G1	S1	null	null	Valley & foothill grassland
Agelaius tricolor	tricolored blackbird	Birds	ABPBXB0020	960	17	None	Threatened	G1G2	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, USFWS_BCC-Birds of Conservation Concern	Freshwater marsh, Marsh & swamp, Swamp, Wetland
Athene cunicularia	burrowing owl	Birds	ABNSB10010	2057	1	None	None	G4	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern	Coastal prairie, Coastal scrub, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Sonoran desert scrub, Valley & foothill grassland
Buteo swainsoni	Swainson's hawk	Birds	ABNKC19070	2577	1	None	Threatened	G5	S4	null	BLM_S-Sensitive, IUCN_LC-Least Concern	Great Basin grassland, Riparian forest, Riparian woodland, Valley & foothill grassland
Eremophila alpestris actia	California horned lark	Birds	ABPAT02011	94	1	None	None	G5T4Q	S4	null	CDFW_WL-Watch List, IUCN_LC-Least Concern	Marine intertidal & splash zone communities, Meadow & seep
Icteria virens	yellow-breasted chat	Birds	ABPBX24010	101	1	None	None	G5	S4	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Riparian forest, Riparian scrub, Riparian woodland
Scopelophila cataractae	tongue-leaf copper moss	Bryophytes	NBMUS6U010	1	1	None	None	G3G4	S1	2B.2	null	Cismontane woodland
Branchinecta lynchi	vernal pool fairy shrimp	Crustaceans	ICBRA03030	804	5	Threatened	None	G3	S3	null	IUCN_VU-Vulnerable	Valley & foothill grassland, Vernal pool, Wetland
Lepidurus packardii	vernal pool tadpole shrimp	Crustaceans	ICBRA10010	336	5	Endangered	None	G3	S3	null	IUCN_EN-Endangered	Valley & foothill grassland, Vernal pool, Wetland
Linderiella occidentalis	California linderiella	Crustaceans	ICBRA06010	508	4	None	None	G2G3	S2S3	null	IUCN_NT-Near Threatened	Vernal pool

Calycadenia hooveri	Hoover's calycadenia	Dicots	PDAST1P040	37	1	None	None	G2	S2	1B.3	null	Cismontane woodland, Valley & foothill grassland
Calycadenia spicata	spicate calycadenia	Dicots	PDAST1P090	41	7	None	None	G3?	S3	1B.3	null	Cismontane woodland, Valley & foothill grassland
Clarkia rostrata	beaked clarkia	Dicots	PDONA050Y0	74	2	None	None	G2G3	S2S3	1B.3	BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_UCBG-UC Botanical Garden at Berkeley	Cismontane woodland, Valley & foothill grassland
Cryptantha mariposae	Mariposa cryptantha	Dicots	PDBOR0A1Q0	9	3	None	None	G2G3	S2S3	1B.3	BLM_S-Sensitive	Chaparral, Ultramafic
Cryptantha spithamea	Red Hills cryptantha	Dicots	PDBOR0A2M2	6	2	None	None	G2	S2	1B.3	BLM_S-Sensitive, SB_UCSC-UC Santa Cruz	Chaparral, Cismontane woodland, Ultramafic
Diplacus pulchellus	yellow-lip pansy monkeyflower	Dicots	PDSCR1B280	78	1	None	None	G2	S2	1B.2	BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden, USFS_S-Sensitive	Lower montane coniferous forest, Meadow & seep
Downingia pusilla	dwarf downingia	Dicots	PDCAM060C0	132	1	None	None	GU	S2	2B.2	null	Valley & foothill grassland, Vernal pool, Wetland
Eryngium pinnatisectum	Tuolumne button-celery	Dicots	PDAP10Z0P0	30	12	None	None	G2	S2	1B.2	SB_UCSC-UC Santa Cruz	Cismontane woodland, Lower montane coniferous forest, Vernal pool, Wetland
Eryngium racemosum	Delta button-celery	Dicots	PDAP10Z0S0	26	1	None	Endangered	G1	S1	1B.1	null	Riparian scrub, Wetland
Eryngium spinosepalum	spiny-sealed button-celery	Dicots	PDAP10Z0Y0	108	1	None	None	G2	S2	1B.2	BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden	Valley & foothill grassland, Vernal pool, Wetland
Erythranthe marmorata	Stanislaus monkeyflower	Dicots	PDPHR01130	10	2	None	None	G2?	S2?	1B.1	null	Cismontane woodland, Lower montane coniferous forest
Lagophylla dichotoma	forked hare-leaf	Dicots	PDAST5J070	7	2	None	None	G2	S2	1B.1	null	Cismontane woodland, Valley & foothill grassland
Lomatium congdonii	Congdon's lomatium	Dicots	PDAP11B0B0	20	3	None	None	G2	S2	1B.2	BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden	Chaparral, Cismontane woodland, Ultramafic
Lupinus spectabilis	shaggyhair lupine	Dicots	PDFAB2B3P0	24	1	None	None	G2	S2	1B.2	BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden	Chaparral, Cismontane woodland, Ultramafic
Monardella venosa	veiny monardella	Dicots	PDLAM18082	4	1	None	None	G1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_UCBG-UC Botanical Garden at Berkeley	Cismontane woodland, Valley & foothill grassland
Navarretia paradoxiclara	Patterson's navarretia	Dicots	PDPLM0C150	11	4	None	None	G2	S2	1B.3	BLM_S-Sensitive	Meadow & seep, Ultramafic
Pseudobahia bahiifolia	Hartweg's golden sunburst	Dicots	PDAST7P010	27	2	Endangered	Endangered	G1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Cismontane woodland, Valley & foothill grassland
Senecio clelandii var. heterophyllus	Red Hills ragwort	Dicots	PDAST8H0R2	12	1	None	None	G4?T2Q	S2	1B.2	BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden	Cismontane woodland, Ultramafic
Verbena californica	Red Hills vervain	Dicots	PDVER0N050	12	1	Threatened	Threatened	G2	S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_UCBG-UC	Cismontane woodland, Ultramafic, Valley & foothill grassland

											Botanical Garden at Berkeley	
Acipenser medirostris pop. 1	green sturgeon - southern DPS	Fish	AFCAA01031	14	1	Threatened	None	G2T1	S1	null	AFS_VU-Vulnerable, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered	Aquatic, Estuary, Marine bay, Sacramento/San Joaquin flowing waters
Hesperoleucus symmetricus serpentinus	Red Hills roach	Fish	AFCJB19028	8	2	None	None	GNRT1	S1	null	AFS_VU-Vulnerable, BLM_S-Sensitive, CDFW_SSC-Species of Special Concern	Aquatic, Sacramento/San Joaquin flowing waters, Ultramafic
Mylopharodon conocephalus	hardhead	Fish	AFCJB25010	33	1	None	None	G3	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive	Klamath/North coast flowing waters, Sacramento/San Joaquin flowing waters
Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	Fish	AFCHA0209K	31	2	Threatened	None	G5T2Q	S2	null	AFS_TH-Threatened, CDFW_SSC-Species of Special Concern	Aquatic, Sacramento/San Joaquin flowing waters
Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	Herbaceous	CTT44110CA	126	1	None	None	G3	S3.1	null	null	Vernal pool, Wetland
Bombus pensylvanicus	American bumble bee	Insects	IIHYM24260	680	1	None	None	G3G4	S2	null	IUCN_VU-Vulnerable	Coastal prairie, Great Basin grassland, Valley & foothill grassland
Desmocerus californicus dimorphus	valley elderberry longhorn beetle	Insects	IICOL48011	271	2	Threatened	None	G3T3	S3	null	null	Riparian scrub
Rhaphiomidas trochilus	San Joaquin Valley giant flower-loving fly	Insects	IIDIP05010	6	1	None	None	G1	S1	null	null	Interior dunes
Antrozous pallidus	pallid bat	Mammals	AMACC10010	424	5	None	None	G4	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive	Chaparral, Coastal scrub, Desert wash, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Riparian woodland, Sonoran desert scrub, Upper montane coniferous forest, Valley & foothill grassland
Corynorhinus townsendii	Townsend's big-eared bat	Mammals	AMACC08010	635	2	None	None	G4	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive	Broadleaved upland forest, Chaparral, Chenopod scrub, Great Basin grassland, Great Basin scrub, Joshua tree woodland, Lower montane coniferous forest, Meadow & seep, Mojavean desert scrub, Riparian forest, Riparian woodland, Sonoran desert scrub, Sonoran thorn woodland, Upper montane coniferous forest, Valley & foothill grassland
Erethizon dorsatum	North American porcupine	Mammals	AMAFJ01010	523	2	None	None	G5	S3	null	IUCN_LC-Least Concern	Broadleaved upland forest, Cismontane

												woodland, Closed-cone coniferous forest, Lower montane coniferous forest, North coast coniferous forest, Upper montane coniferous forest
<i>Eumops perotis californicus</i>	western mastiff bat	Mammals	AMACD02011	296	10	None	None	G4G5T4	S3S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern	Chaparral, Cismontane woodland, Coastal scrub, Valley & foothill grassland
<i>Lasionycteris noctivagans</i>	silver-haired bat	Mammals	AMACC02010	139	1	None	None	G3G4	S3S4	null	IUCN_LC-Least Concern	Lower montane coniferous forest, Oldgrowth, Riparian forest
<i>Lasiurus cinereus</i>	hoary bat	Mammals	AMACC05032	238	4	None	None	G3G4	S4	null	IUCN_LC-Least Concern	Broadleaved upland forest, Cismontane woodland, Lower montane coniferous forest, North coast coniferous forest
<i>Lasiurus frantzii</i>	western red bat	Mammals	AMACC05080	128	6	None	None	G4	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Cismontane woodland, Lower montane coniferous forest, Riparian forest, Riparian woodland
<i>Myotis yumanensis</i>	Yuma myotis	Mammals	AMACC01020	265	6	None	None	G5	S4	null	BLM_S-Sensitive, IUCN_LC-Least Concern	Lower montane coniferous forest, Riparian forest, Riparian woodland, Upper montane coniferous forest
<i>Anodonta californiensis</i>	California floater	Mollusks	IMBIV04220	6	1	None	None	G3	S2?	null	USFS_S-Sensitive	Aquatic
<i>Monadenia mormonum buttoni</i>	Button's Sierra sideband	Mollusks	IMGASC7071	5	2	None	None	G2T1T2	S1S2	null	IUCN_DD-Data Deficient	Chaparral, Cismontane woodland, Valley & foothill grassland
<i>Monadenia mormonum hirsuta</i>	hirsute Sierra sideband	Mollusks	IMGASC7072	4	2	None	None	G2T1	S1	null	BLM_S-Sensitive, IUCN_DD-Data Deficient	Chaparral, Cismontane woodland, Valley & foothill grassland
<i>Agrostis hendersonii</i>	Henderson's bent grass	Monocots	PMPOA040K0	26	1	None	None	G2Q	S2	3.2	null	Valley & foothill grassland, Vernal pool, Wetland
<i>Allium tuolumnense</i>	Rawhide Hill onion	Monocots	PMLIL022W0	25	2	None	None	G2	S2	1B.2	BLM_S-Sensitive	Cismontane woodland, Ultramafic
<i>Brodiaea pallida</i>	Chinese Camp brodiaea	Monocots	PMLIL0C0C0	5	4	Threatened	Endangered	G1	S1	1B.1	IUCN_EN-Endangered	Cismontane woodland, Ultramafic, Valley & foothill grassland
<i>Chlorogalum grandiflorum</i>	Red Hills soaproot	Monocots	PMLIL0G020	137	7	None	None	G3	S3	1B.2	BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden	Chaparral, Cismontane woodland, Lower montane coniferous forest, Ultramafic
<i>Fritillaria agrestis</i>	stinkbells	Monocots	PMLIL0V010	32	1	None	None	G3	S3	4.2	null	Chaparral, Cismontane woodland, Pinon & juniper woodlands, Ultramafic, Valley & foothill grassland



Neostapfia colusana	Colusa grass	Monocots	PMPOA4C010	66	4	Threatened	Endangered	G1	S1	1B.1	null	Vernal pool, Wetland
Actinemys marmorata	northwestern pond turtle	Reptiles	ARAAD02031	1102	4	Proposed Threatened	None	G2	SNR	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive	null



# Selected Elements by Scientific Name

## California Department of Fish and Wildlife

### California Natural Diversity Database



**Query Criteria:** Quad< IS </span>(Copperopolis (3712086)<span style="color:Red"> OR </span>New Melones Dam (3712085)<span style="color:Red"> OR </span>Knights Ferry (3712076)<span style="color:Red"> OR </span>Keystone (3712075)<span style="color:Red"> OR </span>Salt Spring Valley (3812016)<span style="color:Red"> OR </span>Angels Camp (3812015)<span style="color:Red"> OR </span>Oakdale (3712077)<span style="color:Red"> OR </span>Bachelor Valley (3712087)<span style="color:Red"> OR </span>Jenny Lind (3812017))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<b><i>Acipenser medirostris pop. 1</i></b> green sturgeon - southern DPS	AFCAA01031	Threatened	None	G2T1	S1	SSC
<b><i>Actinemys marmorata</i></b> northwestern pond turtle	ARAAD02031	Proposed Threatened	None	G2	SNR	SSC
<b><i>Agelaius tricolor</i></b> tricolored blackbird	ABPBXB0020	None	Threatened	G1G2	S2	SSC
<b><i>Agrostis hendersonii</i></b> Henderson's bent grass	PMPOA040K0	None	None	G2Q	S2	3.2
<b><i>Allium tuolumnense</i></b> Rawhide Hill onion	PMLIL022W0	None	None	G2	S2	1B.2
<b><i>Ambystoma californiense pop. 1</i></b> California tiger salamander - central California DPS	AAAAA01181	Threatened	Threatened	G2G3T3	S3	WL
<b><i>Anodonta californiensis</i></b> California floater	IMBIV04220	None	None	G3	S2?	
<b><i>Antrozous pallidus</i></b> pallid bat	AMACC10010	None	None	G4	S3	SSC
<b><i>Athene cunicularia</i></b> burrowing owl	ABNSB10010	None	None	G4	S2	SSC
<b><i>Bombus pensylvanicus</i></b> American bumble bee	IIHYM24260	None	None	G3G4	S2	
<b><i>Branchinecta lynchi</i></b> vernal pool fairy shrimp	ICBRA03030	Threatened	None	G3	S3	
<b><i>Brodiaea pallida</i></b> Chinese Camp brodiaea	PMLIL0C0C0	Threatened	Endangered	G1	S1	1B.1
<b><i>Buteo swainsoni</i></b> Swainson's hawk	ABNKC19070	None	Threatened	G5	S4	
<b><i>Calicina breva</i></b> Stanislaus harvestman	ILARAU8020	None	None	G1	S1	
<b><i>Calycadenia hooveri</i></b> Hoover's calycadenia	PDAST1P040	None	None	G2	S2	1B.3
<b><i>Calycadenia spicata</i></b> spicate calycadenia	PDAST1P090	None	None	G3?	S3	1B.3
<b><i>Chlorogalum grandiflorum</i></b> Red Hills soaproot	PMLIL0G020	None	None	G3	S3	1B.2
<b><i>Clarkia rostrata</i></b> beaked clarkia	PDONA050Y0	None	None	G2G3	S2S3	1B.3



# Selected Elements by Scientific Name

## California Department of Fish and Wildlife

### California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<b><i>Corynorhinus townsendii</i></b> Townsend's big-eared bat	AMACC08010	None	None	G4	S2	SSC
<b><i>Cryptantha mariposae</i></b> Mariposa cryptantha	PDBOR0A1Q0	None	None	G2G3	S2S3	1B.3
<b><i>Cryptantha spithamaea</i></b> Red Hills cryptantha	PDBOR0A2M2	None	None	G2	S2	1B.3
<b><i>Desmocerus californicus dimorphus</i></b> valley elderberry longhorn beetle	IICOL48011	Threatened	None	G3T3	S3	
<b><i>Diplacus pulchellus</i></b> yellow-lip pansy monkeyflower	PDSCR1B280	None	None	G2	S2	1B.2
<b><i>Downingia pusilla</i></b> dwarf downingia	PDCAM060C0	None	None	GU	S2	2B.2
<b><i>Eremophila alpestris actia</i></b> California horned lark	ABPAT02011	None	None	G5T4Q	S4	WL
<b><i>Erethizon dorsatum</i></b> North American porcupine	AMAFJ01010	None	None	G5	S3	
<b><i>Eryngium pinnatisectum</i></b> Tuolumne button-celery	PDAP10Z0P0	None	None	G2	S2	1B.2
<b><i>Eryngium racemosum</i></b> Delta button-celery	PDAP10Z0S0	None	Endangered	G1	S1	1B.1
<b><i>Eryngium spinosepalum</i></b> spiny-sepaled button-celery	PDAP10Z0Y0	None	None	G2	S2	1B.2
<b><i>Erythranthe marmorata</i></b> Stanislaus monkeyflower	PDPHR01130	None	None	G2?	S2?	1B.1
<b><i>Eumops perotis californicus</i></b> western mastiff bat	AMACD02011	None	None	G4G5T4	S3S4	SSC
<b><i>Fritillaria agrestis</i></b> stinkbells	PMLIL0V010	None	None	G3	S3	4.2
<b><i>Hesperoleucus symmetricus serpentinus</i></b> Red Hills roach	AFCJB19028	None	None	GNRT1	S1	SSC
<b><i>Icteria virens</i></b> yellow-breasted chat	ABPBX24010	None	None	G5	S4	SSC
<b><i>Lagophylla dichotoma</i></b> forked hare-leaf	PDAST5J070	None	None	G2	S2	1B.1
<b><i>Lasionycteris noctivagans</i></b> silver-haired bat	AMACC02010	None	None	G3G4	S3S4	
<b><i>Lasiurus cinereus</i></b> hoary bat	AMACC05032	None	None	G3G4	S4	
<b><i>Lasiurus frantzii</i></b> western red bat	AMACC05080	None	None	G4	S3	SSC
<b><i>Lepidurus packardii</i></b> vernal pool tadpole shrimp	ICBRA10010	Endangered	None	G3	S3	



Selected Elements by Scientific Name  
California Department of Fish and Wildlife  
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<b><i>Linderiella occidentalis</i></b> California linderiella	ICBRA06010	None	None	G2G3	S2S3	
<b><i>Lomatium congdonii</i></b> Congdon's lomatium	PDAP11B0B0	None	None	G2	S2	1B.2
<b><i>Lupinus spectabilis</i></b> shaggyhair lupine	PDFAB2B3P0	None	None	G2	S2	1B.2
<b><i>Monadenia mormonum buttoni</i></b> Button's Sierra sideband	IMGASC7071	None	None	G2T1T2	S1S2	
<b><i>Monadenia mormonum hirsuta</i></b> hirsute Sierra sideband	IMGASC7072	None	None	G2T1	S1	
<b><i>Monardella venosa</i></b> veiny monardella	PDLAM18082	None	None	G1	S1	1B.1
<b><i>Mylopharodon conocephalus</i></b> hardhead	AFCJB25010	None	None	G3	S3	SSC
<b><i>Myotis yumanensis</i></b> Yuma myotis	AMACC01020	None	None	G5	S4	
<b><i>Navarretia paradoxiclara</i></b> Patterson's navarretia	PDPLM0C150	None	None	G2	S2	1B.3
<b><i>Neostapfia colusana</i></b> Colusa grass	PMPOA4C010	Threatened	Endangered	G1	S1	1B.1
<b><i>Northern Hardpan Vernal Pool</i></b> Northern Hardpan Vernal Pool	CTT44110CA	None	None	G3	S3.1	
<b><i>Oncorhynchus mykiss irideus pop. 11</i></b> steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	G5T2Q	S2	SSC
<b><i>Pseudobahia bahiifolia</i></b> Hartweg's golden sunburst	PDAST7P010	Endangered	Endangered	G1	S1	1B.1
<b><i>Rhaphiomidas trochilus</i></b> San Joaquin Valley giant flower-loving fly	IIDIP05010	None	None	G1	S1	
<b><i>Scopelophila cataractae</i></b> tongue-leaf copper moss	NBMUS6U010	None	None	G3G4	S1	2B.2
<b><i>Senecio clevelandii var. heterophyllus</i></b> Red Hills ragwort	PDAST8H0R2	None	None	G4?T2Q	S2	1B.2
<b><i>Spea hammondii</i></b> western spadefoot	AAABF02020	Proposed Threatened	None	G2G3	S3S4	SSC
<b><i>Verbena californica</i></b> Red Hills vervain	PDVER0N050	Threatened	Threatened	G2	S2	1B.1

Record Count: 57



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



**Query Criteria:** Quad< IS </span>(Copperopolis (3712086)<span style="color:Red"> OR </span>New Melones Dam (3712085)<span style="color:Red"> OR </span>Knights Ferry (3712076)<span style="color:Red"> OR </span>Keystone (3712075)<span style="color:Red"> OR </span>Salt Spring Valley (3812016)<span style="color:Red"> OR </span>Angels Camp (3812015)<span style="color:Red"> OR </span>Oakdale (3712077)<span style="color:Red"> OR </span>Bachelor Valley (3712087)<span style="color:Red"> OR </span>Jenny Lind (3812017))

<b>Ambystoma californiense pop. 1</b>				<b>Element Code:</b> AAAAA01181			
California tiger salamander - central California DPS							
<b>Listing Status:</b>	<b>Federal:</b>	Threatened	<b>CNDDB Element Ranks:</b>	<b>Global:</b>	G2G3T3		
	<b>State:</b>	Threatened		<b>State:</b>	S3		
	<b>Other:</b>	CDFW_WL-Watch List, IUCN_VU-Vulnerable					
<b>Habitat:</b>	<b>General:</b>	LIVES IN VACANT OR MAMMAL-OCCUPIED BURROWS THROUGHOUT MOST OF THE YEAR; IN GRASSLAND, SAVANNA, OR OPEN WOODLAND HABITATS.					
	<b>Micro:</b>	NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS, AND VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING.					
<b>Occurrence No.</b>	131	<b>Map Index:</b>	24665	<b>EO Index:</b>	6526	<b>Element Last Seen:</b>	1993-04-23
<b>Occ. Rank:</b>	Good			<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1993-04-23
<b>Occ. Type:</b>	Natural/Native occurrence			<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	1993-11-02
<b>Quad Summary:</b>		Knights Ferry (3712076)					
<b>County Summary:</b>		Stanislaus					
<b>Lat/Long:</b>	37.80311 / -120.70925			<b>Accuracy:</b>	1/5 mile		
<b>UTM:</b>	Zone-10 N4186441 E701671			<b>Elevation (ft):</b>	260		
<b>PLSS:</b>	T01S, R11E, Sec. 36, SE (M)			<b>Acres:</b>	0.0		
<b>Location:</b>	SOUTH OF HWY 120, 8 MILES EAST OF OAKDALE.						
<b>Detailed Location:</b>	LARVAE FOUND IN 2 TEMPORARY PONDS, LOCATED 100 FEET SOUTH OF HWY 120 AND 0.3 MILE WEST OF "STA 1400" HWY MARKER.						
<b>Ecological:</b>	HABITAT CONSISTS OF TWO SMALL TEMPORARY PONDS SURROUNDED BY GRAZED ANNUAL GRASSLAND. 1 BULLFROG TADPOLE OBSERVED IN ONE OF THE PONDS.						
<b>General:</b>	AN UNKNOWN NUMBER OF AMBYSTOMA LARVAE WERE OBSERVED IN 2 TEMPORARY PONDS ON 15 APRIL 1993; BY 23 APRIL, THE PONDS WERE ALMOST DRY, THE LARVAE WERE GONE, AND RACCOON TRACKS WERE ABUNDANT IN THE AREA.						
<b>Owner/Manager:</b>	PVT						
<b>Occurrence No.</b>	226	<b>Map Index:</b>	33081	<b>EO Index:</b>	19331	<b>Element Last Seen:</b>	1994-04-08
<b>Occ. Rank:</b>	Unknown			<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1994-04-08
<b>Occ. Type:</b>	Natural/Native occurrence			<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	1995-03-23
<b>Quad Summary:</b>		Oakdale (3712077)					
<b>County Summary:</b>		Stanislaus					
<b>Lat/Long:</b>	37.84694 / -120.77152			<b>Accuracy:</b>	1/5 mile		
<b>UTM:</b>	Zone-10 N4191173 E696072			<b>Elevation (ft):</b>	250		
<b>PLSS:</b>	T01S, R11E, Sec. 16 (M)			<b>Acres:</b>	0.0		
<b>Location:</b>	SOUTH SIDE OF FRANKENHEIMER ROAD, 1.5 MILES SOUTH OF SONORA ROAD, 6 MILES NE OF OAKDALE.						
<b>Detailed Location:</b>							
<b>Ecological:</b>							
<b>General:</b>	COLLECTION #RS-NC-2, CAPTURED AND RELEASED ON-SITE.						
<b>Owner/Manager:</b>	UNKNOWN						





Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	230	Map Index:	25068	EO Index:	20825	Element Last Seen:	1993-04-13
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1993-04-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1994-02-08
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.80049 / -120.80738				Accuracy:	specific area	
UTM:	Zone-10 N4185944 E693038				Elevation (ft):	160	
PLSS:	T01S, R11E, Sec. 31 (M)				Acres:	1.7	
Location:	JUST NORTH OF RODDEN CREEK, 0.5 MILE NE OF RODDEN ROAD, 1.5 MILES EAST OF TWENTYEIGHT MILE ROAD, OAKDALE.						
Detailed Location:	MAN-MADE LAKE LOCATED 1300 FEET EAST OF A PRIVATE ROAD WEST OF RODDEN CREEK AND RUNNING PARALLEL TO IT.						
Ecological:	HABITAT SURROUNDING MAN-MADE LAKE CONSISTS OF GRAZED ANNUAL GRASSLANDS.						
General:	AN UNKNOWN NUMBER OF CTS OBSERVED ON 13 APRIL 1993. ACCORDING TO LANDOWNER, POND DRIED OUT IN 1992, KILLING ALL STOCKED FISH.						
Owner/Manager:	PVT						

Occurrence No.	231	Map Index:	25065	EO Index:	20832	Element Last Seen:	1993-04-15
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1993-04-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1994-02-18
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.80123 / -120.83773				Accuracy:	1/5 mile	
UTM:	Zone-10 N4185963 E690364				Elevation (ft):	190	
PLSS:	T01S, R10E, Sec. 35 (M)				Acres:	0.0	
Location:	SOUTH OF THE JUNCTION OF TULLOCH AND BURNETT LATERALS, EAST OF TWENTYEIGHT MILE RD, 1 MILE NORTH OF GILBERT RD, OAKDALE.						
Detailed Location:	TEMPORARY POND LOCATED 1000 FEET EAST OF TWENTYEIGHT MILE ROAD.						
Ecological:	HABITAT SURROUNDING TEMPORARY POND CONSISTED OF GRAZED ANNUAL GRASSLAND AND ORCHARDS.						
General:	AN UNKNOWN NUMBER OF CTS OBSERVED ON 15 APRIL 1993. AN UNIDENTIFIED SPECIES OF TADPOLE SHRIMP ALSO FOUND HERE.						
Owner/Manager:	PVT						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	232	Map Index:	25067	EO Index:	20834	Element Last Seen:	1993-04-13
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1993-04-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1994-02-08
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.79774 / -120.81263				Accuracy:	specific area	
UTM:	Zone-10 N4185628 E692583				Elevation (ft):	180	
PLSS:	T02S, R11E, Sec. 06 (M)				Acres:	4.3	
Location:	JUST NE OF RODDEN ROAD, 1.5 MILES EAST OF TWENTYEIGHT MILE ROAD, OAKDALE.						
Detailed Location:	LARGE, TEMPORARY LAKE, LOCATED 100 FEET EAST OF A PRIVATE ROAD WEST OF AND RUNNING PARALLEL TO RODDEN CREEK.						
Ecological:	HABITAT SURROUNDING TEMPORARY LAKE CONSISTS OF GRAZED ANNUAL GRASSLAND.						
General:	AN UNKNOWN NUMBER OF CTS OBSERVED ON 13 APRIL 1993.						
Owner/Manager:	PVT						

Occurrence No.	233	Map Index:	25066	EO Index:	20835	Element Last Seen:	1993-04-29
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1993-04-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1994-02-08
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.80169 / -120.81887				Accuracy:	1/5 mile	
UTM:	Zone-10 N4186053 E692023				Elevation (ft):	200	
PLSS:	T01S, R10E, Sec. 36 (M)				Acres:	0.0	
Location:	JUST EAST OF PERSIMMON HILL ROAD, 0.4 MILE NORTH OF RODDEN ROAD, 1.2 MILES EAST OF TWENTYEIGHT MILE ROAD, OAKDALE.						
Detailed Location:	TWO PONDS, LOCATED ABOUT 50 FEET EAST OF PERSIMMON HILL (PRIVATE) ROAD.						
Ecological:	TWO PONDS ARE FOUND ON THE SOUTH END OF A FRESHWATER MARSH; SURROUNDING HABITAT CONSISTS OF ROLLING HILLS/ANNUAL GRASSLAND.						
General:	AN UNKNOWN NUMBER OF CTS OBSERVED ON 29 APRIL 1993.						
Owner/Manager:	PVT						

Occurrence No.	291	Map Index:	12533	EO Index:	28420	Element Last Seen:	1975-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1975-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2001-09-04
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.76742 / -120.85327				Accuracy:	1 mile	
UTM:	Zone-10 N4182180 E689081				Elevation (ft):	150	
PLSS:	T02S, R10E, Sec. 15 (M)				Acres:	0.0	
Location:	OAKDALE.						
Detailed Location:							
Ecological:							
General:	MVZ 10684 COLLECTED BY E.R. SCHNEIDER 28 NOV 1927. OBSERVED BY PACIFIC GAS & ELECTRIC CO. BIOLOGIST IN 1975. JENNINGS CONSIDERS THIS SITE EXTIRPATED.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	500	Map Index:	46417	EO Index:	46417	Element Last Seen:	1988-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1988-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-11-25
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.91538 / -120.81148				Accuracy:	non-specific area	
UTM:	Zone-10 N4198684 E692378				Elevation (ft):	200	
PLSS:	T01N, R11E, Sec. 30 (M)				Acres:	224.5	
Location:	ALONG DUNTON ROAD, BACHELOR VALLEY, NORTH OF WOODWARD RESERVOIR, NORTH OF OAKDALE.						
Detailed Location:	SOURCE DOCUMENT GIVES ROAD NAME AS "DENTON" ROAD.						
Ecological:							
General:	DURING A 1973 TO 1988 FOOD HABITS STUDY MANY AOR AND DOR SALAMANDERS WERE OBSERVED.						
Owner/Manager:	UNKNOWN						

Occurrence No.	1030	Map Index:	A2317	EO Index:	103931	Element Last Seen:	2013-02-05
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-02-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-10-21
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.75795 / -120.72321				Accuracy:	specific area	
UTM:	Zone-10 N4181401 E700565				Elevation (ft):	232	
PLSS:	T02S, R11E, Sec. 14 (M)				Acres:	59.0	
Location:	VICINITY OF HETCH HETCHY AQUEDUCT, FROM ABOUT 0.3 TO 0.8 MILES NE OF THE FOGARTY RD CROSSING, 3.2 MILES NW OF PAULSELL.						
Detailed Location:	MAPPED TO INCLUDE PROVIDED COORDINATES AND MAPPED LOCATIONS.						
Ecological:	FLAT, NON-NATIVE GRASSLAND INTERSPERSED WITH VERNAL POOLS. DETECTIONS ALONG SFPUC RIGHT-OF-WAY.						
General:	EGGS & LARVAE FOUND IN 8 POOLS DURING 2010-2011 WET SEASON SURVEYS. 1 ADULT RELOCATED HERE FROM NEARBY CONSTRUCTION SITE (OCC #1239); LARVAE OBSERVED IN 6-7 POOLS DURING 2013 CONSTRUCTION MONITORING.						
Owner/Manager:	SFPUC						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	1031	Map Index:	A2318	EO Index:	103932	Element Last Seen:	2013-02-05
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-02-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-10-21
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.76396 / -120.70898				Accuracy:	80 meters	
UTM:	Zone-10 N4182098 E701802				Elevation (ft):	260	
PLSS:	T02S, R11E, Sec. 13, NE (M)				Acres:	5.0	
Location:	VICINITY OF HETCH HETCHY AQUEDUCT, ABOUT 1.5 MILES NE OF THE FOGARTY RD CROSSING, 3.3 MILES NNW OF PAULSELL.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	MOSTLY BARREN CONSTRUCTION AREA IN SFPUC RIGHT-OF-WAY, SURROUNDED BY NON-NATIVE GRASSLAND. INDIVIDUAL FOUND IN VOLE SURFACE TUNNELS, UNDER PIECE OF PLYWOOD.						
General:	1 ADULT FEMALE FOUND DURING CONSTRUCTION ON 5 FEB 2013 AND RELOCATED TO BURROW ADJACENT TO NEARBY VERNAL POOLS (OCC #1238).						
Owner/Manager:	SFPUC						

Occurrence No.	1141	Map Index:	33068	EO Index:	118424	Element Last Seen:	1995-03-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1995-03-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-05-18
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.98510 / -120.84158				Accuracy:	1/5 mile	
UTM:	Zone-10 N4206360 E689552				Elevation (ft):	240	
PLSS:	T02N, R10E, Sec. 35, NE (M)				Acres:	0.0	
Location:	EAST SIDE OF MILTON ROAD, 2.7 MILES NORTH OF HIGHWAY 4, ABOUT 2.5 MILES SOUTH OF MILTON.						
Detailed Location:	MAPPED TO PROVIDED TOPO MAP FOR RECORD 95-102.						
Ecological:							
General:	DETECTED HERE ON 16 MAR 1995.						
Owner/Manager:	UNKNOWN						

***Spea hammondi***

**Element Code:** AAABF02020

western spadefoot

<b>Listing Status:</b>	<b>Federal:</b>	Proposed Threatened	<b>CNDDB Element Ranks:</b>	<b>Global:</b>	G2G3
	<b>State:</b>	None		<b>State:</b>	S3S4
	<b>Other:</b>	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened			
<b>Habitat:</b>	<b>General:</b>	OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.			
	<b>Micro:</b>	VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.			



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	15	Map Index:	20938	EO Index:	9393	Element Last Seen:	1990-07-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1990-07-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-04-10
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.84625 / -120.71781			Accuracy:	80 meters		
UTM:	Zone-10 N4191210 E700800			Elevation (ft):	250		
PLSS:	T01S, R11E, Sec. 13 (M)			Acres:	0.0		
Location:	ON THE WEST SIDE OF SONORA ROAD, 3.4 MI NW OF KNIGHTS FERRY.						
Detailed Location:	LARVAE WERE FOUND IN A 10' X 6' POOL, AT THE OUTFALL OF A CULVERT UNDER SONORA ROAD, IN A SMALL EPHEMERAL STREAM, TRIBUTARY TO LITTLEJOHNS CREEK.						
Ecological:	SURROUNDING HABITAT CONSISTS OF INTRODUCED ANNUAL GRASSLAND.						
General:	THIS WAS THE ONLY STANDING WATER AWAY FROM LITTLEJOHNS CREEK. A WINDMILL 150 M NORTH OF THE POOL WAS PUMPING WATER INTO A LIVESTOCK TROUGH MAY HAVE BEEN THE SOURCE OF THE WATER FOR THE POOL IN THE STREAMBED. 19 LARVAE & 1 JUVENILE OBSERVED.						
Owner/Manager:	PVT						

Occurrence No.	34	Map Index:	24665	EO Index:	6527	Element Last Seen:	1993-04-15
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1993-04-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-01-18
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.80311 / -120.70925			Accuracy:	1/5 mile		
UTM:	Zone-10 N4186441 E701671			Elevation (ft):	260		
PLSS:	T01S, R11E, Sec. 36, SE (M)			Acres:	0.0		
Location:	SOUTH SIDE OF HWY 120, ABOUT 2 MI NE OF LANCASTER RD INTERSECTION, 8 MILES EAST OF OAKDALE.						
Detailed Location:	1993 DETECTIONS FOUND IN A "SMALL TEMPORARY POND LOCATED 100 FEET SOUTH OF HWY 120 AND 0.3 MILE WEST OF "STA 14 00" HWY MARKER. 1994 DETECTION LOCATION UNCLEAR AND THEREFORE ATTRIBUTED TO THE CLOSEST OCCURRENCE.						
Ecological:	HABITAT CONSISTS OF A TEMPORARY POND SURROUNDED BY GRAZED ANNUAL GRASSLAND IN ROLLING HILLS.						
General:	SITE FIRST VISITED ON 15 APRIL 1993; BY 23 APRIL, ONE TADPOLE & NUMEROUS TOADLETS WERE PRESENT. 1 CAPTURED AND RELEASED ON 21 MAR 1994; EXACT LOCATION UNKNOWN, GENERALLY DESCRIBED AS IN VICINITY OF OAKDALE & ATTRIBUTED TO THIS OCCURRENCE.						
Owner/Manager:	PVT						





Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	1286	Map Index:	B4792	EO Index:	117731	Element Last Seen:	1981-06-07
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1981-06-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-01-23
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.95984 / -120.84364				Accuracy:	1/5 mile	
UTM:	Zone-10 N4203553 E689437				Elevation (ft):	211	
PLSS:	T01N, R10E, Sec. 2, S (M)				Acres:	70.0	
Location:	MILTON RD, ABOUT 1 MILE NORTH OF ITS INTERSECTION WITH HWY 4, 5 MILES SOUTH OF MILTON, EAST OF STOCKTON.						
Detailed Location:							
Ecological:							
General:	COLLECTED ON 7 JUN 1981.						
Owner/Manager:	PVT						

<b><i>Buteo swainsoni</i></b>				<b>Element Code:</b> ABNKC19070			
Swainson's hawk							
<b>Listing Status:</b>	<b>Federal:</b>	None		<b>CNDDDB Element Ranks:</b>	<b>Global:</b>	G5	
	<b>State:</b>	Threatened			<b>State:</b>	S4	
	<b>Other:</b>	BLM_S-Sensitive, IUCN_LC-Least Concern					
<b>Habitat:</b>	<b>General:</b>	BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, AND AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.					
	<b>Micro:</b>	REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.					

Occurrence No.	1611	Map Index:	63883	EO Index:	63978	Element Last Seen:	2002-07-21
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-07-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-02-02
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.98404 / -120.84909				Accuracy:	80 meters	
UTM:	Zone-10 N4206227 E688895				Elevation (ft):	205	
PLSS:	T02N, R10E, Sec. 35, NW (M)				Acres:	0.0	
Location:	ALONG ROCK CREEK, 0.3 MILE WEST OF MILTON ROAD, 5.7 MILES SW OF SALT SPRING VALLEY RESERVOIR.						
Detailed Location:							
Ecological:	NEST TREE WAS A VALLEY OAK; SURROUNDED BY ROW CROPS TO THE SE AND SW, AND PASTURELAND TO THE NE AND NW.						
General:	FEMALE OBSERVED ON NEST, WITH MALE RETRIEVING PREY, ON 22 MAY; 1 ADULT FLEW FROM THE NEST AND 1 CHICK REMAINED AT THE NEST ON 21 JUL 2002.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Athene cunicularia***

Element Code: ABNSB10010

burrowing owl

**Listing Status:** **Federal:** None **CNDDB Element Ranks:** **Global:** G4  
**State:** None **State:** S2  
**Other:** BLM\_S-Sensitive, CDFW\_SSC-Species of Special Concern, IUCN\_LC-Least Concern, USFWS\_BCC-Birds of Conservation Concern  
**Habitat:** **General:** OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS, AND SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.  
**Micro:** SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

**Occurrence No.** 505 **Map Index:** 48980 **EO Index:** 48980 **Element Last Seen:** 1991-04-01  
**Occ. Rank:** Fair **Presence:** Presumed Extant **Site Last Seen:** 1991-04-01  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2002-10-09

**Quad Summary:** Oakdale (3712077)

**County Summary:** Stanislaus

**Lat/Long:** 37.79834 / -120.85846 **Accuracy:** 80 meters  
**UTM:** Zone-10 N4185601 E688546 **Elevation (ft):** 230  
**PLSS:** T02S, R10E, Sec. 03, NE (M) **Acres:** 0.0

**Location:** 1 MILE NNW OF THE INTERSECTION OF GILBERT ROAD & RODDEN ROAD, NORTH OF OAKDALE.

**Detailed Location:**

**Ecological:** HABITAT CONSISTS OF FALLOW AGRICULTURAL LAND, DOMINATED BY BRASSICA SPP, RAPHANUS SPP, ERODIUM SPP, AND TRIFOLIUM SPP. SOIL IS STONY WITH SILTY CLAY; VERY SLIGHT ASPECT/SLOPE. GROUND SQUIRREL BURROWS PRESENT FOR BURROW SITES.

**General:** 1 ADULT OBSERVED ON 1 APR 1991.

**Owner/Manager:** PVT



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Eremophila alpestris actia***

Element Code: ABPAT02011

California horned lark

<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G5T4Q
	<b>State:</b> None		<b>State:</b> S4
	<b>Other:</b> CDFW_WL-Watch List, IUCN_LC-Least Concern		
<b>Habitat:</b>	<b>General:</b> COASTAL REGIONS, CHIEFLY FROM SONOMA COUNTY TO SAN DIEGO COUNTY. ALSO MAIN PART OF SAN JOAQUIN VALLEY AND EAST TO FOOTHILLS.		
	<b>Micro:</b> SHORT-GRASS PRAIRIE, "BALD" HILLS, MOUNTAIN MEADOWS, OPEN COASTAL PLAINS, FALLOW GRAIN FIELDS, ALKALI FLATS.		

<b>Occurrence No.</b>	1	<b>Map Index:</b> 34859	<b>EO Index:</b> 8657	<b>Element Last Seen:</b>	XXXX-XX-XX
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	XXXX-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	1996-07-30

**Quad Summary:** Cooperstown (3712065), Keystone (3712075)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.74306 / -120.59200	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4180037 E712167	<b>Elevation (ft):</b>	239
<b>PLSS:</b>	T02S, R12E, Sec. 24, SW (M)	<b>Acres:</b>	0.0

**Location:** NNE OF WARNERVILLE; NEAR JUNCTION OF WILLMS ROAD AND ROCK RIVER ROAD.

**Detailed Location:**

**Ecological:**

**General:** UNKNOWN NUMBERS OF HORNED LARKS OBSERVED BY B. COREY.

**Owner/Manager:** UNKNOWN



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



<b><i>Icteria virens</i></b>				<b>Element Code:</b> ABPBX24010	
yellow-breasted chat					
<b>Listing Status:</b>	<b>Federal:</b>	None	<b>CNDDDB Element Ranks:</b>		<b>Global:</b> G5
	<b>State:</b>	None			<b>State:</b> S4
	<b>Other:</b>	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern			
<b>Habitat:</b>	<b>General:</b>	SUMMER RESIDENT; INHABITS RIPARIAN THICKETS OF WILLOW AND OTHER BRUSHY TANGLES NEAR WATERCOURSES.			
	<b>Micro:</b>	NESTS IN LOW, DENSE RIPARIAN, CONSISTING OF WILLOW, BLACKBERRY, WILD GRAPE; FORAGES AND NESTS WITHIN 10 FT OF GROUND.			
<b>Occurrence No.</b>	53	<b>Map Index:</b> 12632	<b>EO Index:</b> 24874	<b>Element Last Seen:</b>	1987-06-24
<b>Occ. Rank:</b>	Unknown		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1987-06-24
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	1989-08-10
<b>Quad Summary:</b>	Oakdale (3712077)				
<b>County Summary:</b>	Stanislaus				
<b>Lat/Long:</b>	37.87158 / -120.79827		<b>Accuracy:</b>	1/5 mile	
<b>UTM:</b>	Zone-10 N4193851 E693654		<b>Elevation (ft):</b>	200	
<b>PLSS:</b>	T01S, R11E, Sec. 06 (M)		<b>Acres:</b>	0.0	
<b>Location:</b>	NE OF JUNCTION OF LITTLEJOHN CREEK AND SONORA RD, APPROX 7.6MI NNE OF OAKDALE.				
<b>Detailed Location:</b>	ONE HEARD.				
<b>Ecological:</b>	WILLOW BOG 2-5 ACRES IN SIZE. CREEK AND COUNTY RD BORDERED BY DENSE BLACKBERRY AND SPARSE CANOPY OF LARGE WILLOWS, COTTONWOODS, AND BLACK WALNUT. SITE IS AN OASIS IN GRAZED ANNUAL GRASSLAND.				
<b>General:</b>					
<b>Owner/Manager:</b>	PVT				

<b><i>Agelaius tricolor</i></b>				<b>Element Code:</b> ABPBXB0020	
tricolored blackbird					
<b>Listing Status:</b>	<b>Federal:</b>	None	<b>CNDDDB Element Ranks:</b>		<b>Global:</b> G1G2
	<b>State:</b>	Threatened			<b>State:</b> S2
	<b>Other:</b>	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, USFWS_BCC-Birds of Conservation Concern			
<b>Habitat:</b>	<b>General:</b>	HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY AND VICINITY. LARGELY ENDEMIC TO CALIFORNIA.			
	<b>Micro:</b>	REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, AND FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.			



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	28	Map Index:	12598	EO Index:	13274	Element Last Seen:	1996-04-20
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2016-12-13
Quad Summary:	Jenny Lind (3812017)						
County Summary:	Calaveras						
Lat/Long:	38.01479 / -120.82839				Accuracy:	3/5 mile	
UTM:	Zone-10 N4209682 E690634				Elevation (ft):	300	
PLSS:	T02N, R10E, Sec. 24 (M)				Acres:	0.0	
Location:	VICINITY OF ROCK CREEK RD AND ROCK CREEK INTERSECTION, ABOUT 1.8 MI SE OF MILTON, W OF SALT SPRING VALLEY RESERVOIR.						
Detailed Location:	1963 & 1987-88 LOCATION WAS "(NORTH BANK) ROCK CREEK DOWNSTREAM OF ROCK CREEK ROAD BRIDGE, 2 MI SE OF MILTON." 1995 LOCATION WAS "0.75 MI W ROCK CREEK ROAD BRIDGE, 2 MI SE MILTON."1996 LOCATION WAS "ROCK CREEK ROAD,1.45 MI E OF MILTON."						
Ecological:	CATTAILS, DENSE PATCHES OF ROSES WITH SOME BLACKBERRY. ADDITIONAL FORAGING FLOCKS ALSO OBSERVED IN THE VICINITY IN 1996. COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAMES "ROCK CREEK ROAD" & "ROCK CREEK RD AT ROCK CRK."						
General:	4K OBS NESTING IN 1963. 300-400 OBS NESTING IN 1988. 7-10K OBS NESTING IN 1995. 500 OBS NESTING IN 1996. 60 OBS IN 1997; NON-NESTING. 500 OBS IN 2000; NON-NESTING. 0 OBS IN 2011 & 2015. FORAGING FLOCKS OBS IN 2005, 2008, 2014.						
Owner/Manager:	UNKNOWN						
Occurrence No.	110	Map Index:	12632	EO Index:	24718	Element Last Seen:	1987-06-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2011-04-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-25
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.87158 / -120.79827				Accuracy:	1/5 mile	
UTM:	Zone-10 N4193851 E693654				Elevation (ft):	200	
PLSS:	T01S, R11E, Sec. 06 (M)				Acres:	0.0	
Location:	NE OF JUNCTION OF LITTLEJOHN CREEK AND SONORA RD, APPROX 7.6 MI NNE OF OAKDALE.						
Detailed Location:	MAPPED TO PROVIDED LOCATION DESCRIPTIONS OF "NE JUNCTION OF LITTLEJOHN CK AND SONORA RD" AND "SONORA RD, 1.4-1.7 MI W OF FRANKENHEIMER RD." COLONY DATA PARTIALLY STORED IN THE UC DAVIS TRBL PORTAL; SITE NAME WAS "SONORA ROAD #2."						
Ecological:	WILLOW BOG 2-5 ACRES IN SIZE. CREEK & COUNTY RD BORDERED BY DENSE BLACKBERRY & SPARSE CANOPY OF LARGE WILLOWS, COTTONWOODS, & BLACK WALNUT. SITE IS AN OASIS IN GRAZED ANNUAL GRASSLAND WITH UNDULATED TERRAIN.						
General:	APPROXIMATELY 250 BIRDS OBSERVED NESTING ON 9 JUN 1987; ADULTS CARRYING FOOD, FLEDGED YOUNG CONFIRMED. NO BIRDS OBSERVED ON 24 JUN 1987. 70-800 BIRDS OBSERVED ON 23-24 APR 1994; FORAGING. 0 OBSERVED ON 17 APR 2011.						
Owner/Manager:	PVT						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	150	Map Index:	12552	EO Index:	24686	Element Last Seen:	1987-08-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1987-08-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1989-08-10
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.89214 / -120.84661				Accuracy:	1/5 mile	
UTM:	Zone-10 N4196033 E689349				Elevation (ft):	170	
PLSS:	T01N, R10E, Sec. 35, SW (M)				Acres:	0.0	
Location:	LITTLEJOHNS CREEK, AT SONORA ROAD CROSSING, APPROX 9 MI ESE OF FARMINGTON.						
Detailed Location:							
Ecological:	MARSH AREA SUPPORTING APPROX 125 NESTING PAIRS.						
General:							
Owner/Manager:	UNKNOWN						

Occurrence No.	188	Map Index:	21502	EO Index:	17722	Element Last Seen:	1996-04-20
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2015-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-09-06
Quad Summary:	Jenny Lind (3812017)						
County Summary:	Calaveras						
Lat/Long:	38.04750 / -120.83083				Accuracy:	non-specific area	
UTM:	Zone-10 N4213306 E690334				Elevation (ft):	500	
PLSS:	T02N, R10E, Sec. 01, SW (M)				Acres:	54.0	
Location:	TOWER RANCH, ABOUT 1.4 MI NE OF HUNT RD & MILTON RD/HWY J14 INTERSECTION, NE OF MILTON, W OF GOPHER RIDGE.						
Detailed Location:	MAPPED TO PROVIDED MAPS AND LOCATION DESCRIPTIONS. 1992: TOWER RANCH, APPROX. 100 METERS N OF HUNT RD ON TOWER RANCH RD. 1994: HUNT RD, APPROX. 2 MILES OUTSIDE MILTON. 1996: HUNT RD, 1.4 MILES E OF J14, N SIDE.						
Ecological:	NESTING COLONIES WERE LOCATED IN TWO CLUMPS OF BLACKBERRIES (15 X 30 METERS); SURROUNDING HABITAT IS GRAZED ANNUAL GRASSLAND. SITE VERY DRY IN 1997.						
General:	1,000 NESTING ADULTS & 500 JUVENILES OBSERVED ON 8 APR 1992. 350-400 OBS NEST BUILDING ON 6 APR 1994. 400 OBS ON 20 APR 1996; MOSTLY ADULT MALES SINGING, COMING & GOING IN SMALL GROUPS, PRESUMED NESTING. 0 OBS APR OF 1997, 2014 & 2015.						
Owner/Manager:	PVT						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	197	Map Index:	21583	EO Index:	12243	Element Last Seen:	2005-04-24
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2015-05-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-09-28
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.9342 / -120.8111			Accuracy:	2/5 mile		
UTM:	Zone-10 N4200774 E692363			Elevation (ft):	223		
PLSS:	T01N, R11E, Sec. 18, SW (M)			Acres:	280.0		
Location:	VICINITY OF HWY 4 & DUNTON RD INTERSECTION, 2 MI ESE OF HWY 4 & MILTON RD INTERSECTION, W OF TELEGRAPH CITY.						
Detailed Location:	BIRDS FOUND IN BOTH SMITH CREEK AND HOODS CREEK. APPEARED THAT HOODS CREEK SERVED AS THE PREDOMINANT NESTING SITE. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAMES WERE "ORVIS RANCH" & "DUNTON ROAD/HOODS CREEK."						
Ecological:	HABITAT CONSISTED OF COTTONWOOD/WILLOW RIPARIAN. CATTLE/TURKEY RANCH AND GRASSLANDS IN THE VICINITY. COLONY WAS NOT ACTIVE IN 1993. MAPPED ACCORDING TO PROVIDED MAPS AND LOCATION DESCRIPTIONS.						
General:	500-1K OBS NESTING IN 1992. 1-3K LIKELY NESTING IN 1994. 3K FORAGING IN 1995. NOT SURVEYED IN 1996. 150 OBS IN 1997; ID NOT CONFIRMED. 500-3K POSSIBLY NESTING IN 1999. 1.5K LIKELY NESTING IN 2005. 300-1.3K FORAGING IN 2011. 0 IN 2014-15.						
Owner/Manager:	PVT						

Occurrence No.	262	Map Index:	24021	EO Index:	4267	Element Last Seen:	2008-04-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-05-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-12
Quad Summary:	Angels Camp (3812015)						
County Summary:	Calaveras						
Lat/Long:	38.10717 / -120.57571			Accuracy:	1/5 mile		
UTM:	Zone-10 N4220482 E712551			Elevation (ft):	1550		
PLSS:	T03N, R13E, Sec. 17, SW (M)			Acres:	0.0		
Location:	0.5 MILE WEST OF DOGTOWN ROAD, 2 MILES NNW OF ALTAVILLE.						
Detailed Location:	MAPPED ACCORDING TO PROVIDED MAPS AND ROAD DESIGNATIONS. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "DOGTOWN ROAD - AIROLA RANCH."						
Ecological:	NESTING SUBSTRATE CONSISTED OF BLACKBERRY PATCHES; SURROUNDING FORAGING HABITAT IS IRRIGATED, GRAZED PASTURE WITH SEVERAL SMALL PONDS. COLONY OCCUPIES <1 ACRE.						
General:	150-200 BIRDS OBS IN 1989; 1 OBS CARRYING FOOD, LIKELY NESTING BASED ON CONTINUOUS PRESENCE. 1.2K OBS IN PRE-NESTING PHASE IN 1994. 0 OBS IN 1995 & 1997. 500 OBS IN 2005; POSSIBLY NESTING. 320 NESTING IN 2008. 0 OBS IN 2011, 2014 & 2015.						
Owner/Manager:	PVT-AIROLA RANCH						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	309	Map Index:	30607	EO Index:	4266	Element Last Seen:	2015-04-20
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-05-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-11
Quad Summary:	Angels Camp (3812015)						
County Summary:	Calaveras						
Lat/Long:	38.09738 / -120.56359				Accuracy:	non-specific area	
UTM:	Zone-10 N4219423 E713643				Elevation (ft):	1602	
PLSS:	T03N, R13E, Sec. 20, E (M)				Acres:	40.0	
Location:	WEST OF DOGTOWN ROAD, 1 MILE N OF HWY 4 & HWY 49 INTERSECTION, 2 MILES NNW OF ANGELS CAMP.						
Detailed Location:	MAPPED ACCORDING TO PROVIDED MAPS AND ROAD DESIGNATIONS. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "DOGTOWN ROAD/LAKESIDE DR."						
Ecological:	HABITAT COMPOSED OF CATTAILS AND BULRUSHES. TWO SMALL LAKES VISIBLE IN AERIAL IMAGERY. NESTING HABITAT INCREASED FROM 1995 TO 1997; LARGER IN 1997 THAN IN THE PREVIOUS 5 YEARS.						
General:	NESTING IN 1992-93. 1.5K OBS IN 1995; POSSIBLY NESTING. 7.5K OBS IN 1997; NESTING. 15 OBS FORAGING IN 2008. 0 OBS IN 2011. 1K OBS IN 2013; NESTING. 4 OBS IN APR 2014, 600-800 NESTED OBS MAY-JUN. 60 OBS NESTING IN APR 2015, FAILED BY MAY.						
Owner/Manager:	UNKNOWN						

Occurrence No.	372	Map Index:	52418	EO Index:	52418	Element Last Seen:	2014-04-18
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2014-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-09-22
Quad Summary:	Keystone (3712075)						
County Summary:	Stanislaus, Tuolumne						
Lat/Long:	37.76302 / -120.56027				Accuracy:	1/10 mile	
UTM:	Zone-10 N4182325 E714905				Elevation (ft):	300	
PLSS:	T02S, R13E, Sec. 17, NE (M)				Acres:	0.0	
Location:	VICINITY OF THE CLAY PITS JUST NORTHWEST OF ROCK RIVER ROAD ON THE TUOLOMNE/STANISLAUS COUNTY LINE.						
Detailed Location:	COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "CLAY PIT." MAPPED ACCORDING TO PROVIDED COORDINATES AND LOCATION IN UCD PORTAL.						
Ecological:	UNIRRIGATED PASTURE. A WATER-FILLED PIT CREATED BY MINING AND SURROUNDED BY A BAND OF MARSH VEGETATION.						
General:	550 BIRDS OBSERVED NESTING IN 2001. 50 BIRDS OBSERVED ON 24 APR 2005. 0 OBSERVED ON 25 APR 2008. 150 BIRDS OBSERVED ON 14 & 18 APR 2014; FEEDING FLOCKS OBSERVED ADJACENT TO THE PRESUMED NESTING SITE. 35 BIRDS OBSERVED ON 20 APR 2014.						
Owner/Manager:	UNKNOWN						





Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	742	Map Index:	A1360	EO Index:	102931	Element Last Seen:	2015-05-17
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-05-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-10-04
Quad Summary:	Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.9837 / -120.6486				Accuracy:	2/5 mile	
UTM:	Zone-10 N4206615 E706507				Elevation (ft):	986	
PLSS:	T02N, R12E, Sec. 34 (M)				Acres:	280.0	
Location:	ABOUT 0.75 MI NNE OF HWY 4 & HODSON RD INTERSECTION, COOPEROPOLIS.						
Detailed Location:	MAPPED AS BEST GUESS TO PROVIDED LOCATION DESCRIPTIONS AND MAPS. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WERE "COPPEROPOLIS RESERVOIR," "ROCK CREEK ROAD AT HIGHWAY4," & "COPPEROPOLIS POND."						
Ecological:	CATTAILS. GRASSY FIELDS WITH LIVESTOCK IN ADJACENT AREA.						
General:	SMALL NESTING COLONY & FORAGING ADULTS OBS ON 20 APR 1996. 26 OBS ON 27 APR 1997; POSSIBLY NESTING. NO COLONY 22 APR 2000, 17 APR 2011, 21-26 APR & 27 MAY 2014. 200 OBS ON 17 MAY 2015; ONE BIRD W/ NEST MATERIAL, FEMALES PRESUMABLY HAD EGGS.						
Owner/Manager:	UNKNOWN						

Occurrence No.	921	Map Index:	A1434	EO Index:	103021	Element Last Seen:	2014-06-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-05-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-11
Quad Summary:	Angels Camp (3812015)						
County Summary:	Calaveras						
Lat/Long:	38.1119 / -120.5946				Accuracy:	1/10 mile	
UTM:	Zone-10 N4220964 E710881				Elevation (ft):	1200	
PLSS:	T03N, R12E, Sec. 13, E (M)				Acres:	18.0	
Location:	ABOUT 0.4 MI E OF HWY 49 & COSGRAVE RD INTERSECTION, 3.2 MI NW OF ALTAVILLE POST OFFICE.						
Detailed Location:	LOCATION IN GENERAL WAS DIFFICULT TO OBSERVE. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "HIGHWAY 49 NEAR COSGRAVE RD." MAPPED ACCORDING TO THE LOCATION PROVIDED IN THE PORTAL.						
Ecological:	THE NESTING AREA CONSISTED OF HIMALAYAN BLACKBERRY ON THE EDGE OF A RESERVOIR. THIS SITE MAY BE A POSSIBLE ALTERNATE SITE TO THE TWO SITES TO THE SE NEAR DOGTOWN RD (OCCURRENCES 262 & 309).						
General:	150 OBS ON 26 APR 2014; BIRDS APPEARED TO BE NEST BUILDING. 60 OBS ON 27 MAY 2014; FORAGING. 80 OBS ON 1 JUN 2014; APPEARED TO BE COMING TO AND FROM THE NESTING AREA. 80 OBS ON 19 APR 2015; NESTING NOT OBS. 0 OBS ON 17 & 23 MAY 2015.						
Owner/Manager:	PVT						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	922	Map Index:	A1442	EO Index:	103029	Element Last Seen:	2014-05-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-05-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-12
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.92054 / -120.84214				Accuracy:	specific area	
UTM:	Zone-10 N4199195 E689670				Elevation (ft):	183	
PLSS:	T01N, R10E, Sec. 23, SE (M)				Acres:	18.0	
Location:	AREA JUST E OF MILTON RD BRIDGE OVER HOODS CREEK, 1.7 MI S OF HWY 4, 1.9 MI N OF EUGENE.						
Detailed Location:	COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAMES WERE "S MILTON RD" AND "MILTON RD 1.6 MI SOUTH HWY 4." MAPPED ACCORDING TO PROVIDED LOCATIONS IN THE PORTAL.						
Ecological:	HABITAT COMPOSED OF HIMALAYAN BLACKBERRY. BLACKBERRIES ALONG THE BANK OF HOODS CREEK.						
General:	TWO SUBCOLONIES OF 120 & 140 BIRDS OBSERVED FORAGING ON 21 APR 2014, 2.5K OBSERVED CARRYING NEST MATERIAL ON 27 APR. 2K+ OBS CARRYING MUD FOR NEST BUILDING ON 4 MAY 2014. 4 OBS FORAGING ON 19 APR 2015, 0 OBS BY 23 MAY.						
Owner/Manager:	PVT						

Occurrence No.	923	Map Index:	A1444	EO Index:	103031	Element Last Seen:	2015-05-24
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-05-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-12
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.885 / -120.8295				Accuracy:	1/10 mile	
UTM:	Zone-10 N4195276 E690873				Elevation (ft):	195	
PLSS:	T01S, R10E, Sec. 1, NW (M)				Acres:	18.0	
Location:	ON N SIDE OF SONARA RD, ABOUT 1.3 MI SE OF INTERSECTION WITH MILTON RD, NE OF WOODWARD RESERVOIR.						
Detailed Location:	COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "SONORA ROAD #3." MAPPED ACCORDING TO PROVIDED COORDINATES IN THE PORTAL. SEVERAL BRAMBLES (AT LEAST 6) OF BLACKBERRY OCCUPIED BY BIRDS IN 2014.						
Ecological:	PREDOMINANT NESTING SUBSTRATE COMPOSED OF HIMALAYAN BLACKBERRY. ABOUT HALF THE COLONY WAS DESTROYED BY REMOVAL OF BLACKBERRIES ON 24 MAY 2015. 154 DISRUPTED NESTS, 62 DEAD YOUNG, AND 2 DEAD ADULTS CONFIRMED.						
General:	2014: 12KBIRDS OBSERVED ON 21 APR; SOME CARRYING NEST MATERIAL. 12K STILL PRESENT BY 27 APR; COLONY VERY ACTIVE/NOISY. 8K ESTIMATED BY 4 MAY; FEEDING YOUNG. 2015: 500-600 OBS ON 18-19 APR. 7K OBS ON 28 APR. 400 OBS ON 24 MAY (NESTING).						
Owner/Manager:	PVT						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	927	Map Index:	A1584	EO Index:	103177	Element Last Seen:	2008-04-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-05-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-25
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.99001 / -120.84856			Accuracy:	non-specific area		
UTM:	Zone-10 N4206891 E688927			Elevation (ft):	211		
PLSS:	T02N, R10E, Sec. 26, SW (M)			Acres:	66.0		
Location:	ALONG MILTON RD, 2.7 MI S OF ROCK CREEK RD INTERSECTION, 3.2 MI N OF HWY 4, S OF MILTON.						
Detailed Location:	LOCATION DESCRIBED AS "MILTON ROAD, SOUTH OF CALAVERAS COUNTY LINE" AND "MILTON RD 3.1-3.3 N OF HWY 4, 0.2 MI W OF MILTON RD." COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "MILTON RD #1."						
Ecological:	NESTING IN A RIPARIAN AREA WITH OTHER BLACKBIRDS. GENERAL AREA COMPOSED OF GRASSLANDS.						
General:	400 OBS NESTING ON 23 APR 1987. 500 OBS ON 23-24 APR 1994; NESTING SUSPECTED. 120 OBS ON 24 APR 1999. 5.5K POSSIBLY NESTED ON 22 MAY 2005. 12.5K OBS NESTING ON 25 APR 2008. 200 OBS IN 2011. 20-50 OBS ON APR-MAY 2014. 0 ON APR-MAY 2015.						
Owner/Manager:	UNKNOWN						

Occurrence No.	951	Map Index:	B2917	EO Index:	114847	Element Last Seen:	2016-05-30
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2016-05-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-04-19
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.87911 / -120.81285			Accuracy:	1/5 mile		
UTM:	Zone-10 N4194657 E692352			Elevation (ft):	214		
PLSS:	T01S, R11E, Sec. 6, W (M)			Acres:	70.0		
Location:	S SIDE OF SONORA RD, ABOUT 1.6 MI ESE OF 28 MILE RD INTERSECTION, EUGENE.						
Detailed Location:	COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD; SITE NAMES WERE "SONORA ROAD POND" & "SONORA ROAD #1." IT IS POSSIBLE THAT THE LARGE FLOCK OBSERVED ON 10 MAY 2016 MOVED TO SONORA #3 FOR A SECOND WAVE OF NESTING.						
Ecological:	NESTING IN MILK THISTLE AND TULE. GRAZED ANNUAL GRASSLAND. NEAR POND WITH SOME CATTAILS.						
General:	TWO FORAGING FLOCKS OF 25 AND 110 OBSERVED ON 23 APR 1994. 0 OBSERVED ON 17 APR 2011 AND 18 APR 2015. APPROXIMATELY 2000 BIRDS OBSERVED ON 10 MAY 2016; NESTING MATERIAL/FLEDGLINGS OBSERVED. 50 OBS ON 30 MAY 2016; BRINGING FOOD TO NESTS.						
Owner/Manager:	UNKNOWN, PVT						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	970	Map Index:	A1969	EO Index:	103558	Element Last Seen:	1995-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1995-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2016-11-04		
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Calaveras, Tuolumne						
Lat/Long:	37.9384 / -120.5333			Accuracy:	4/5 mile		
UTM:	Zone-10 N4201850 E716767			Elevation (ft):	938		
PLSS:	T01N, R13E, Sec. 15 (M)			Acres:	1312.0		
Location:	JUST BELOW NEW MELONES DAM, 6.9 MI SE OF COPPEROPOLIS.						
Detailed Location:	LOCATION DESCRIBED AS "ABOUT 2 MILES EAST OF SIERRA CONSERVATION CAMP, EAST OF COPPEROPOLIS ON THE O'BYRNES FERRY... LESS THAN A MILE WEST OF THE NEW MELONES DAM POWER HOUSE." MAPPED GENERALLY TO THE AREA BELOW THE DAM.						
Ecological:	HABITAT WAS VALLEY OAK-GRASSLANDS. BIRDS FEEDING IN GRASSY HILLSIDES AND IN A SMALL DRAINAGE. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "NEW MELONES LAKE DAM."						
General:	AN ESTIMATED 300 BIRDS OBSERVED FLYING BACK AND FORTH ACROSS THE ROAD IN 1995; OBSERVER BELIEVED THE COLONY BRED AT THIS LOCATION.						
Owner/Manager:	USBOR						

Occurrence No.	975	Map Index:	A2039	EO Index:	103632	Element Last Seen:	2000-04-22
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2000-04-22		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2016-10-03		
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.0479 / -120.6977			Accuracy:	2/5 mile		
UTM:	Zone-10 N4213632 E702017			Elevation (ft):	1173		
PLSS:	T02N, R12E, Sec. 6, SW (M)			Acres:	280.0		
Location:	ALONG HUNT RD, NEAR SALT SPRINGS VALLEY RD INTXN, 2.8 AIR MILES WNW OF HWY 4 INTXN, ENE OF SALT SPRING VALLEY DAM.						
Detailed Location:	MAPPED ACCORDING TO THE LOCATION ON THE PROVIDED MAP.						
Ecological:	HABITAT COMPOSED OF HIMALAYAN BLACKBERRY. SMALL POND PRESENT IN 1997 AND 2000.						
General:	ANECDOTALLY REPORTED AS NESTING IN 1997. AN ESTIMATED 40 BIRDS OBSERVED NESTING ON 22 APR 2000.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	976	Map Index:	A2042	EO Index:	103635	Element Last Seen:	1997-04-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-10-03
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.0529 / -120.7249				Accuracy:	1/10 mile	
UTM:	Zone-10 N4214128 E699617				Elevation (ft):	1141	
PLSS:	T02N, R11E, Sec. 2, SE (M)				Acres:	18.0	
Location:	ALONG S SIDE OF HUNT RD, 1.9 AIR MILES WNW OF SALT SPRINGS VALLEY RD INTERSECTION, 2.6 MI NE OF SALT SPRING VALLEY DAM.						
Detailed Location:	COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "HUNT ROAD #2." MAPPED ACCORDING TO PROVIDED MAP AND LOCATION IN THE PORTAL.						
Ecological:	HABITAT IN 1997 COMPOSED OF CATTAILS. SUITABLE HABITAT PRESENT IN 2015.						
General:	NO BIRDS OBSERVED DURING 1996 SURVEY. ABOUT 27 BIRDS OBSERVED NESTING ON 27 APR 1997. 0 BIRDS OBSERVED ON 20 APR 2015.						
Owner/Manager:	UNKNOWN, PVT						

<b>Acipenser medirostris pop. 1</b>				<b>Element Code:</b> AFCAA01031			
green sturgeon - southern DPS							
Listing Status:	Federal:	Threatened		CNDDDB Element Ranks:	Global:	G2T1	
	State:	None			State:	S1	
	Other:	AFS_VU-Vulnerable, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered					
Habitat:	General:	SPAWNING SITE FIDELITY. SPAWNS IN THE SACRAMENTO, FEATHER AND YUBA RIVERS. PRESENCE IN UPPER STANISLAUS AND SAN JOAQUIN RIVERS MAY INDICATE SPAWNING. NON-SPAWNING ADULTS OCCUPY MARINE/ESTUARINE WATERS. DELTA ESTUARY IS IMPORTANT FOR REARING JUVENILES.					
	Micro:	SPAWNING OCCURS PRIMARILY IN COOL (11-15 C) SECTIONS OF MAINSTEM RIVERS IN DEEP POOLS (8-9 METERS) WITH SUBSTRATE CONTAINING SMALL TO MEDIUM SIZED SAND, GRAVEL, COBBLE, OR BOULDER.					

Occurrence No.	5	Map Index:	91311	EO Index:	121158	Element Last Seen:	2017-10-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-10-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2022-01-28
Quad Summary:	Riverbank (3712068), Knights Ferry (3712076), Oakdale (3712077), Escalon (3712078), Salida (3712161), Ripon (3712162), Avena (3712171)						
County Summary:	Calaveras, San Joaquin, Stanislaus, Tuolumne						
Lat/Long:	37.80905 / -120.67948				Accuracy:	non-specific area	
UTM:	Zone-10 N4187166 E704276				Elevation (ft):	200	
PLSS:	T01S, R12E, Sec. 32 (M)				Acres:	6681.0	
Location:	LOWER STANISLAUS RIVER, FROM ITS MOUTH AT THE SAN JOAQUIN RIVER TO GOODWIN DAM.						
Detailed Location:	MAPPED TO THE LOWER 58 MILES OF THE STANISLAUS RIVER FROM SAN JOAQUIN RIVER CONFLUENCE TO THE IMPASSIBLE GOODWIN DAM ABOUT 3.5 MILES NE OF KNIGHTS FERRY.						
Ecological:	HISTORIC USE OF THE SAN JOAQUIN RIVER BASIN IS UNDOCUMENTED BUT PLAUSIBLE. REGULAR OCCURRENCE AND HABITAT USE OF THE STANISLAUS RIVER IS POORLY UNDERSTOOD. POACHING OF STURGEON ON SAN JOAQUIN RIVER NEAR STANISLAUS RIVER HAS BEEN A CONCERN.						
General:	FIRST CONFIRMED GREEN STURGEON IN THE STANISLAUS RIVER OCCURED IN 2017 NEAR KNIGHTS FERRY; INITIALLY AN INCIDENTAL RAFTING DETECTION ON 23 SEP, FOLLOWED BY SNORKLE & VIDEO ON 5 OCT, AND POSITIVE EDNA SAMPLE ON 9 OCT. NO WHITE STURGEON DNA.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Oncorhynchus mykiss irideus* pop. 11**

Element Code: AFCHA0209K

steelhead - Central Valley DPS

**Listing Status:** **Federal:** Threatened

**CNDDDB Element Ranks:** **Global:** G5T2Q

**State:** None

**State:** S2

**Other:** AFS\_TH-Threatened, CDFW\_SSC-Species of Special Concern

**Habitat:** **General:** POPULATIONS IN THE SACRAMENTO AND SAN JOAQUIN RIVERS AND THEIR TRIBUTARIES.

**Micro:** ☐

<b>Occurrence No.</b>	20	<b>Map Index:</b>	91311	<b>EO Index:</b>	92386	<b>Element Last Seen:</b>	2014-01-20
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2014-01-20	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2014-03-28	

**Quad Summary:** Riverbank (3712068), Knights Ferry (3712076), Oakdale (3712077), Escalon (3712078), Salida (3712161), Ripon (3712162), Avena (3712171)

**County Summary:** Calaveras, San Joaquin, Stanislaus, Tuolumne

<b>Lat/Long:</b>	37.80905 / -120.67948	<b>Accuracy:</b>	non-specific area
<b>UTM:</b>	Zone-10 N4187166 E704276	<b>Elevation (ft):</b>	200
<b>PLSS:</b>	T01S, R12E, Sec. 32 (M)	<b>Acres:</b>	6681.0

**Location:** LOWER STANISLAUS RIVER, FROM ITS MOUTH AT THE SAN JOAQUIN RIVER TO GOODWIN DAM (RM 58.4).

**Detailed Location:** MAPPED TO RIVER REACH NAVIGABLE BY STEELHEAD (SH). GOODWIN DAM(GD) IS BARRIER TO ANADROMY. ROTARY SCREW TRAPS (RSTS) AT CASWELL SP (RM8.6) & OAKDALE (RM40.1). REARING & SUSPECTED SPAWNING GROUNDS BETWEEN GD & ORANGE BLOSSOM BRIDGE (RM46.9).

**Ecological:** SNORKEL SURVEYS 2000-07 INDICATED MANY JUVENILES EMIGRATED IN FALL (OR TOOK REFUGE UNDER SUBSTRATE IN WINTER). HIGHEST TROUT DENSITIES IN UPPER REACHES & GRAVEL AUGMENTATION SITES. IN 2008 OTOLITH STUDY 11% TROUT OF SAMPLED WERE SH PROGENY.

**General:** AVERAGE CATCH/YEAR FROM RSTS (#RSTS VARIED) = 23 IN 1993-1999; 44 IN 2000-2010; MANY WERE SMOLTS. VIDEO WEIR NEAR RM31 RECORDED U/S MIGRATION OF 1-17 ADULTS/YR FROM 2005-2010, 24-92 TROUT/YR FROM 2011-2014 (26 -40% HATCHERY ORIGIN).

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	23	<b>Map Index:</b>	91468	<b>EO Index:</b>	92525	<b>Element Last Seen:</b>	2010-03-22
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2010-03-22	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2014-02-27	

**Quad Summary:** Peters (3712181), Stockton East (3712182), Stockton West (3712183), Jenny Lind (3812017), Valley Springs SW (3812018), Valley Springs (3812027), Linden (3812111), Waterloo (3812112), Lodi South (3812113)

**County Summary:** Calaveras, San Joaquin, Stanislaus

<b>Lat/Long:</b>	38.04961 / -121.01419	<b>Accuracy:</b>	non-specific area
<b>UTM:</b>	Zone-10 N4213181 E674239	<b>Elevation (ft):</b>	
<b>PLSS:</b>	T02N, R09E, Sec. 05 (M)	<b>Acres:</b>	8020.0

**Location:** LOWER CALAVERAS RIVER BELOW NEW HOGAN DAM (RM42), INCLUDING MORMON SLOUGH AND STOCKTON DIVERTING CANAL.

**Detailed Location:** NEW HOGAN DAM (NHD) A TOTAL BARRIER TO ANADROMY. 20MI OF SPAWNING/REARING HABITAT ABOVE BELLOTA WEIR (BW, RM25.3) INACCESSIBLE TO STEELHEAD (SH) EXCEPT IN FLOOD FLOWS; RESIDENT TROUT POP ABOVE BW PRODUCES SOME SMOLTS. RST AT SHELTON (RM28).

**Ecological:** HISTORICALLY INTERMITTENT RIVER, NOW YR-ROUND FROM NHD TO BW. CONNECTS W/SJQ RIVER ONLY AFTER IRRIGATION RELEASES/RAIN; DRAWDOWN STRANDS FISH. SOME SPAWNING HABITAT IN MORMON SLOUGH(MS). 49 OF 180 FISH IN 2008 OTOLITH STUDY WERE SH PROGENY.

**General:** SPAWNING OBSERVED IN MS, 2002; HIGH TEMPS LIKELY KILLED EGGS/FRY. OBS BELOW BW 2003-04 & '07, INCLUDING SMOLTS. YEARLY RST CATCH 2004-10 FROM 199-14,788, INCL. PRESUMABLY EMIGRATING SMOLTS. ~64 STRANDED TROUT OBS IN SURVEYS 2005, '06 & '10.

**Owner/Manager:** UNKNOWN





Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Hesperoleucus symmetricus serpentinus***

Element Code: AFCJB19028

Red Hills roach

<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDB Element Ranks:</b>	<b>Global:</b> GNRT1
	<b>State:</b> None		<b>State:</b> S1
	<b>Other:</b> AFS_VU-Vulnerable, BLM_S-Sensitive, CDFW_SSC-Species of Special Concern		
<b>Habitat:</b>	<b>General:</b> SPRING-FED INTERMITTENT CREEKS AND SMALL STREAMS NEAR SONORA. MAY BE CONFINED TO POOLS AND PERENNIAL STREAM REACHES DURING SUMMER AND DROUGHT.		
	<b>Micro:</b> ADAPTED FOR LIVING IN SMALL STREAMS FLOWING THROUGH SERPENTINE OUTCROPS.		

<b>Occurrence No.</b>	6	<b>Map Index:</b> 42624	<b>EO Index:</b> 42624	<b>Element Last Seen:</b>	1999-06-15
<b>Occ. Rank:</b>	Fair		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	1999-06-15
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2005-07-12

**Quad Summary:** Keystone (3712075), New Melones Dam (3712085)

**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.87406 / -120.50774	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4194770 E719204	<b>Elevation (ft):</b>	1030
<b>PLSS:</b>	T01S, R13E, Sec. 02, SE (M)	<b>Acres:</b>	18.7

**Location:** ANDREW CREEK, AT THE CROSSING OF HIGHWAY 108/120, 2.7 MILES NORTH OF KEYSTONE, RED HILLS.

**Detailed Location:** CREEK IN CULVERT BELOW HIGHWAY 108.

**Ecological:** FINE ROCK, ALGAE, FISH ABUNDANT IN POOLS 1 TO 3 FEET DEEP. SURROUNDING LAND USE PASTURE/COWS.

**General:** 17 APR 1999: "MANY" OBSERVED. 15 JUN 1999: 5 ADULTS COLLECTED, FIN CLIPS TAKEN AND FISH RELEASED; UCSC MUSEUM #WJJLS37.

**Owner/Manager:** PVT

<b>Occurrence No.</b>	7	<b>Map Index:</b> 51535	<b>EO Index:</b> 51535	<b>Element Last Seen:</b>	2000-07-10
<b>Occ. Rank:</b>	Poor		<b>Presence:</b> Presumed Extant	<b>Site Last Seen:</b>	2000-07-10
<b>Occ. Type:</b>	Natural/Native occurrence		<b>Trend:</b> Unknown	<b>Record Last Updated:</b>	2003-06-13

**Quad Summary:** New Melones Dam (3712085)

**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.92601 / -120.53054	<b>Accuracy:</b>	1/10 mile
<b>UTM:</b>	Zone-10 N4200481 E717046	<b>Elevation (ft):</b>	800
<b>PLSS:</b>	T01N, R13E, Sec. 22, NE (M)	<b>Acres:</b>	0.0

**Location:** PEORIA CREEK. EAST OF THE STANISLAUS RIVER, BETWEEN TULLOCK RESERVOIR & NEW MELONES LAKE.

**Detailed Location:** PEORIA CREEK NEAR THE FIRE STATION.

**Ecological:** CREEK WITH HEAVY UNDERBRUSH, SOME CATTAILS IN LARGE POOLS. LOTS OF GAMBUSIA & LOTS OF BENTHIC FILAMENTOUS ALGAE.

**General:** 5 CAPTURED, FIN CLIPPED AND RELEASED.

**Owner/Manager:** UNKNOWN



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Mylopharodon conocephalus***

Element Code: AFCJB25010

hardhead

**Listing Status:** **Federal:** None **CNDDB Element Ranks:** **Global:** G3  
**State:** None **State:** S3  
**Other:** CDFW\_SSC-Species of Special Concern, IUCN\_LC-Least Concern, USFS\_S-Sensitive  
**Habitat:** **General:** LOW TO MID-ELEVATION STREAMS IN THE SACRAMENTO-SAN JOAQUIN DRAINAGE. ALSO PRESENT IN THE RUSSIAN RIVER.  
**Micro:** CLEAR, DEEP POOLS WITH SAND-GRAVEL-BOULDER BOTTOMS AND SLOW WATER VELOCITY. NOT FOUND WHERE EXOTIC CENTRARCHIDS PREDOMINATE.

**Occurrence No.** 15 **Map Index:** 72976 **EO Index:** 73888 **Element Last Seen:** 2008-03-27  
**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 2008-04-02  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2010-08-11

**Quad Summary:** Oakdale (3712077)

**County Summary:** Stanislaus

**Lat/Long:** 37.77083 / -120.86777 **Accuracy:** 80 meters  
**UTM:** Zone-10 N4182530 E687795 **Elevation (ft):** 104  
**PLSS:** T02S, R10E, Sec. 10, SW (M) **Acres:** 0.0

**Location:** STANISLAUS RIVER JUST NW OF OAKDALE.

**Detailed Location:**

**Ecological:** OTHER FISH TAKEN: GOLDEN SHINER, LARGEMOUTH BASS, PRICKLY SCULPIN, RAINBOW TROUT, SACRAMENTO BLACKFISH, SACRAMENTO PIKEMINNOW, SACRAMENTO SUCKER, MOSQUITOFISH, CHINOOK SALMON, COMMON CARP, LAMPREY, BLUEGILL, REDEAR SUNFISH, TULE PERCH.

**General:** TAKEN ON 72 SAMPLE DATES 1 MAY 2006 TO 2 APR 2008. 1-81 FISH (AVE = 5.7 FISH/SAMPLE DATE) CAPTURED IN ROTARY SCREW TRAP & RELEASED. OTHER FISH TAKEN: WHITE CATFISH, RED SHINER, BLACK CRAPPIE, HITCH, RIFFLE SCULPIN, GOLDFISH, WARMOUTH.

**Owner/Manager:** UNKNOWN

***Myotis yumanensis***

Element Code: AMACC01020

Yuma myotis

**Listing Status:** **Federal:** None **CNDDB Element Ranks:** **Global:** G5  
**State:** None **State:** S4  
**Other:** BLM\_S-Sensitive, IUCN\_LC-Least Concern  
**Habitat:** **General:** OPTIMAL HABITATS ARE OPEN FORESTS AND WOODLANDS WITH SOURCES OF WATER OVER WHICH TO FEED.  
**Micro:** DISTRIBUTION IS CLOSELY TIED TO BODIES OF WATER. MATERNITY COLONIES IN CAVES, MINES, BUILDINGS OR CREVICES.





Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	145	Map Index:	68813	EO Index:	69336	Element Last Seen:	1999-08-15
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-08-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-19
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.77654 / -120.78129				Accuracy:	non-specific area	
UTM:	Zone-10 N4183340 E695398				Elevation (ft):	108	
PLSS:	T02S, R11E, Sec. 08 (M)				Acres:	61.0	
Location:	ABOUT 3.7 ROAD MILES NE OF OAKDALE ON HWY 120, AT INTERSECTION WITH ORANGE BLOSSOM RD.						
Detailed Location:	EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCALITY ONLY AS "ORANGE BLOSSOM, HWY 120." MAPPED AS BEST ESTIMATE.						
Ecological:							
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 15 AUG 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	146	Map Index:	68815	EO Index:	69342	Element Last Seen:	1999-08-15
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-08-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-04
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81431 / -120.72429				Accuracy:	non-specific area	
UTM:	Zone-10 N4187653 E700317				Elevation (ft):	164	
PLSS:	T01S, R11E, Sec. 26 (M)				Acres:	152.0	
Location:	ABOUT 3 MILES WSW OF KNIGHTS FERRY, HORSESHOE ROAD.						
Detailed Location:	EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCALITY ONLY AS "HORSESHOE A & B, HWY 120." THE ENTIRE HORSESHOE RD NEAR HWY 120 WAS MAPPED.						
Ecological:							
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 15 AUG 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	147	Map Index:	66400	EO Index:	69349	Element Last Seen:	1999-09-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-09-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-05-08
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81974 / -120.67173				Accuracy:	1/10 mile	
UTM:	Zone-10 N4188369 E704929				Elevation (ft):	130	
PLSS:	T01S, R12E, Sec. 29 (M)				Acres:	0.0	
Location:	KNIGHTS FERRY.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY PIE04R001; INCLUDES LOCALITY "COTTONWOODS."						
Ecological:	COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.						
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 3 JUL 1998, 17 JUN, 15 AUG, & 16 SEP 1999.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



<b>Occurrence No.</b>	192	<b>Map Index:</b>	64072	<b>EO Index:</b>	69716	<b>Element Last Seen:</b>	1999-09-16
<b>Occ. Rank:</b>	Unknown			<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1999-09-16
<b>Occ. Type:</b>	Natural/Native occurrence			<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2007-04-19
<b>Quad Summary:</b>	Knights Ferry (3712076)						
<b>County Summary:</b>	Calaveras, Tuolumne						
<b>Lat/Long:</b>	37.84068 / -120.64195			<b>Accuracy:</b>	1/10 mile		
<b>UTM:</b>	Zone-10 N4190759 E707492			<b>Elevation (ft):</b>	250		
<b>PLSS:</b>	T01S, R12E, Sec. 22 (M)			<b>Acres:</b>	0.0		
<b>Location:</b>	ABOUT 2 MILES NE OF KNIGHTS FERRY, STANISLAUS RIVER, TWO MILE BAR.						
<b>Detailed Location:</b>							
<b>Ecological:</b>							
<b>General:</b>	BAT(S) DETECTED ON 16 SEP 1999.						
<b>Owner/Manager:</b>	UNKNOWN						
<b>Occurrence No.</b>	193	<b>Map Index:</b>	69001	<b>EO Index:</b>	69722	<b>Element Last Seen:</b>	1999-09-16
<b>Occ. Rank:</b>	Unknown			<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1999-09-16
<b>Occ. Type:</b>	Natural/Native occurrence			<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2007-05-08
<b>Quad Summary:</b>	Knights Ferry (3712076)						
<b>County Summary:</b>	Stanislaus						
<b>Lat/Long:</b>	37.81999 / -120.66170			<b>Accuracy:</b>	1/10 mile		
<b>UTM:</b>	Zone-10 N4188419 E705811			<b>Elevation (ft):</b>	180		
<b>PLSS:</b>	T01S, R12E, Sec. 28, NW (M)			<b>Acres:</b>	0.0		
<b>Location:</b>	ABOUT 0.5 MILE EAST OF KNIGHTS FERRY.						
<b>Detailed Location:</b>	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY PIE04R001. INCLUDES "FLOODPLAIN," "HC PLATFORM, RIVER EDGE," & "PICNIC AREA."						
<b>Ecological:</b>	COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.						
<b>General:</b>	BAT(S) DETECTED ON 3 JUL & 15 SEP 1998. 29 APR, 17 -18 JUN, 15 AUG 16 SEP & 22 OCT 1999.						
<b>Owner/Manager:</b>	UNKNOWN						
<b>Occurrence No.</b>	195	<b>Map Index:</b>	69005	<b>EO Index:</b>	69733	<b>Element Last Seen:</b>	1999-04-29
<b>Occ. Rank:</b>	Unknown			<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1999-04-29
<b>Occ. Type:</b>	Natural/Native occurrence			<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2007-04-19
<b>Quad Summary:</b>	Oakdale (3712077)						
<b>County Summary:</b>	Stanislaus						
<b>Lat/Long:</b>	37.78819 / -120.76259			<b>Accuracy:</b>	1/10 mile		
<b>UTM:</b>	Zone-10 N4184672 E697014			<b>Elevation (ft):</b>	120		
<b>PLSS:</b>	T02S, R11E, Sec. 04, SE (M)			<b>Acres:</b>	0.0		
<b>Location:</b>	ABOUT 5 MILES ENE OF OAKDALE, ORANGE BLOSSOM RD CROSSING OF STANISLAUS RIVER.						
<b>Detailed Location:</b>	EXACT LOCATION UNKNOWN. SOURCE GIVES LOCALITY AS "STANISLAUS RIVER, ORANGE BLOSSOM." MAPPED AS BEST ESTIMATE AT ORANGE BLOSSOM RD CROSSING OF STANISLAUS RIVER.						
<b>Ecological:</b>							
<b>General:</b>	BAT(S) DETECTED ON 29 APR 1999.						
<b>Owner/Manager:</b>	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Lasionycteris noctivagans***

Element Code: AMACC02010

silver-haired bat

Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G3G4
	State:	None		State:	S3S4
	Other:	IUCN_LC-Least Concern			
Habitat:	General:	PRIMARILY A COASTAL AND MONTANE FOREST DWELLER, FEEDING OVER STREAMS, PONDS AND OPEN BRUSHY AREAS.			
	Micro:	ROOSTS IN HOLLOW TREES, BENEATH EXFOLIATING BARK, ABANDONED WOODPECKER HOLES, AND RARELY UNDER ROCKS. NEEDS DRINKING WATER.			

Occurrence No.	138	Map Index:	69001	EO Index:	69718	Element Last Seen:	1999-04-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-04-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-23

Quad Summary: Knights Ferry (3712076)

County Summary: Stanislaus

Lat/Long:	37.81999 / -120.66170	Accuracy:	1/10 mile
UTM:	Zone-10 N4188419 E705811	Elevation (ft):	180
PLSS:	T01S, R12E, Sec. 28, NW (M)	Acres:	0.0

Location: ABOUT 0.5 MILE EAST OF KNIGHTS FERRY.

Detailed Location: MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY SOURCE, WITH LOCALITY "FLOODPLAIN."

Ecological: COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.

General: BAT(S) DETECTED ON 29 APR 1999.

Owner/Manager: UNKNOWN

***Lasiurus cinereus***

Element Code: AMACC05032

hoary bat

Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G3G4
	State:	None		State:	S4
	Other:	IUCN_LC-Least Concern			
Habitat:	General:	PREFERS OPEN HABITATS OR HABITAT MOSAICS, WITH ACCESS TO TREES FOR COVER AND OPEN AREAS OR HABITAT EDGES FOR FEEDING.			
	Micro:	ROOSTS IN DENSE FOLIAGE OF MEDIUM TO LARGE TREES. FEEDS PRIMARILY ON MOTHS. REQUIRES WATER.			



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	157	Map Index:	68815	EO Index:	69341	Element Last Seen:	1999-08-15
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-08-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-04
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81431 / -120.72429				Accuracy:	non-specific area	
UTM:	Zone-10 N4187653 E700317				Elevation (ft):	164	
PLSS:	T01S, R11E, Sec. 26 (M)				Acres:	152.0	
Location:	ABOUT 3 MILES WSW OF KNIGHTS FERRY, HORSESHOE ROAD.						
Detailed Location:	EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCALITY ONLY AS "HORSESHOE A & B, HWY 120." THE ENTIRE HORSESHOE RD NEAR HWY 120 WAS MAPPED.						
Ecological:							
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 15 AUG 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	158	Map Index:	66400	EO Index:	69348	Element Last Seen:	1999-10-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-10-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-05-08
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81974 / -120.67173				Accuracy:	1/10 mile	
UTM:	Zone-10 N4188369 E704929				Elevation (ft):	130	
PLSS:	T01S, R12E, Sec. 29 (M)				Acres:	0.0	
Location:	KNIGHTS FERRY.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY SOURCE. INCLUDES LOCALITIES KNIGHTS FERRY "COTTONWOODS."						
Ecological:							
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 3 JUL 1998, 29 APR, 17 JUN, 15 AUG, 16 SEP AND 22 OCT 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	208	Map Index:	69001	EO Index:	69720	Element Last Seen:	1999-10-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-10-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-05-08
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81999 / -120.66170				Accuracy:	1/10 mile	
UTM:	Zone-10 N4188419 E705811				Elevation (ft):	180	
PLSS:	T01S, R12E, Sec. 28, NW (M)				Acres:	0.0	
Location:	ABOUT 0.5 MILE EAST OF KNIGHTS FERRY.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATS PROVIDED BY SOURCE. INCLUDES "FLOODPLAIN," "HC PLATFORM, RIVER EDGE," & "PICNIC AREA."						
Ecological:	COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.						
General:	BAT(S) DETECTED ON 3 JUL & 15 SEP 1998. 29 APR, 17 -18 JUN, 15 AUG, 16 SEP & 22 OCT 1999.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



<b>Occurrence No.</b>	210	<b>Map Index:</b>	69005	<b>EO Index:</b>	69731	<b>Element Last Seen:</b>	1999-04-29
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1999-04-29		
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2007-04-19		
<b>Quad Summary:</b>	Oakdale (3712077)						
<b>County Summary:</b>	Stanislaus						
<b>Lat/Long:</b>	37.78819 / -120.76259			<b>Accuracy:</b>	1/10 mile		
<b>UTM:</b>	Zone-10 N4184672 E697014			<b>Elevation (ft):</b>	120		
<b>PLSS:</b>	T02S, R11E, Sec. 04, SE (M)			<b>Acres:</b>	0.0		
<b>Location:</b>	ABOUT 5 MILES ENE OF OAKDALE, ORANGE BLOSSOM RD CROSSING OF STANISLAUS RIVER.						
<b>Detailed Location:</b>	EXACT LOCATION UNKNOWN. SOURCE GIVES LOCALITY AS "STANISLAUS RIVER, ORANGE BLOSSOM." MAPPED AS BEST ESTIMATE AT ORANGE BLOSSOM RD CROSSING OF STANISLAUS RIVER.						
<b>Ecological:</b>							
<b>General:</b>	BAT(S) DETECTED ON 29 APR 1999.						
<b>Owner/Manager:</b>	UNKNOWN						

<b><i>Lasiurus frantzii</i></b>				<b>Element Code:</b>	AMACC05080
western red bat					
<b>Listing Status:</b>	<b>Federal:</b>	None	<b>CNDDB Element Ranks:</b>	<b>Global:</b>	G4
	<b>State:</b>	None		<b>State:</b>	S3
	<b>Other:</b>	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern			
<b>Habitat:</b>	<b>General:</b>	ROOSTS PRIMARILY IN TREES, 2-40 FT ABOVE GROUND, FROM SEA LEVEL UP THROUGH MIXED CONIFER FORESTS.			
	<b>Micro:</b>	PREFERS HABITAT EDGES AND MOSAICS WITH TREES THAT ARE PROTECTED FROM ABOVE AND OPEN BELOW WITH OPEN AREAS FOR FORAGING.			

<b>Occurrence No.</b>	18	<b>Map Index:</b>	68813	<b>EO Index:</b>	69334	<b>Element Last Seen:</b>	1999-08-15
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1999-08-15		
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2007-04-19		
<b>Quad Summary:</b>	Oakdale (3712077)						
<b>County Summary:</b>	Stanislaus						
<b>Lat/Long:</b>	37.77654 / -120.78129				<b>Accuracy:</b>	non-specific area	
<b>UTM:</b>	Zone-10 N4183340 E695398				<b>Elevation (ft):</b>	108	
<b>PLSS:</b>	T02S, R11E, Sec. 08 (M)				<b>Acres:</b>	61.0	
<b>Location:</b>	ABOUT 3.7 ROAD MILES NE OF OAKDALE ON HWY 120, AT INTERSECTION WITH ORANGE BLOSSOM RD.						
<b>Detailed Location:</b>	EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCALITY ONLY AS "ORANGE BLOSSOM, HWY 120." MAPPED AS BEST ESTIMATE.						
<b>Ecological:</b>							
<b>General:</b>	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 15 AUG 1999.						
<b>Owner/Manager:</b>	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	19	Map Index:	68815	EO Index:	69340	Element Last Seen:	1999-08-15
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-08-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-04
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81431 / -120.72429				Accuracy:	non-specific area	
UTM:	Zone-10 N4187653 E700317				Elevation (ft):	164	
PLSS:	T01S, R11E, Sec. 26 (M)				Acres:	152.0	
Location:	ABOUT 3 MILES WSW OF KNIGHTS FERRY, HORSESHOE ROAD.						
Detailed Location:	EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCALITY ONLY AS "HORSESHOE B, HWY 120." THE ENTIRE HORSESHOE RD NEAR HWY 120 WAS MAPPED.						
Ecological:							
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 15 AUG 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	20	Map Index:	66400	EO Index:	69347	Element Last Seen:	1999-09-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-09-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-05-08
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81974 / -120.67173				Accuracy:	1/10 mile	
UTM:	Zone-10 N4188369 E704929				Elevation (ft):	220	
PLSS:	T01S, R12E, Sec. 29, NE (M)				Acres:	0.0	
Location:	KNIGHTS FERRY.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY PIE04R0001. INCLUDES LOCALITY "COTTONWOODS."						
Ecological:	COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.						
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 3 JUL 1998, 29 APR (MAXIMUM # OF DETECTION OBTAINED BY A SINGLE DETECTOR WAS 2), 15 AUG (MAX. 12), & 16 SEP (MAX. 5) 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	72	Map Index:	64072	EO Index:	69715	Element Last Seen:	1999-09-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-09-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-19
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Calaveras, Tuolumne						
Lat/Long:	37.84068 / -120.64195				Accuracy:	1/10 mile	
UTM:	Zone-10 N4190759 E707492				Elevation (ft):	250	
PLSS:	T01S, R12E, Sec. 22, NW (M)				Acres:	0.0	
Location:	ABOUT 2 MILES NE OF KNIGHTS FERRY, STANISLAUS RIVER, TWO MILE BAR.						
Detailed Location:							
Ecological:							
General:	BAT(S) DETECTED ON 16 SEP 1999.						
Owner/Manager:	UNKNOWN						





Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



<b>Occurrence No.</b>	73	<b>Map Index:</b>	69001	<b>EO Index:</b>	69719	<b>Element Last Seen:</b>	1999-10-22
<b>Occ. Rank:</b>	Unknown			<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1999-10-22
<b>Occ. Type:</b>	Natural/Native occurrence			<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2007-05-08
<b>Quad Summary:</b>	Knights Ferry (3712076)						
<b>County Summary:</b>	Stanislaus						
<b>Lat/Long:</b>	37.81999 / -120.66170			<b>Accuracy:</b>	1/10 mile		
<b>UTM:</b>	Zone-10 N4188419 E705811			<b>Elevation (ft):</b>	180		
<b>PLSS:</b>	T01S, R12E, Sec. 28, NW (M)			<b>Acres:</b>	0.0		
<b>Location:</b>	ABOUT 0.5 MILE EAST OF KNIGHTS FERRY.						
<b>Detailed Location:</b>	MAPPED ACCORDING TO LAT/LONG COORDINATS PROVIDED BY PIE04R0001. INCLUDES "FLOODPLAIN," "HC PLATFORM, RIVER EDGE," & "PICNIC AREA."						
<b>Ecological:</b>	COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.						
<b>General:</b>	BAT(S) DETECTED ON 3 JUL & 15 SEP 1998. 29 APR, 17 -18 JUN, 15 AUG, 16 SEP & 22 OCT 1999.						
<b>Owner/Manager:</b>	UNKNOWN						
<b>Occurrence No.</b>	75	<b>Map Index:</b>	69005	<b>EO Index:</b>	69732	<b>Element Last Seen:</b>	1999-04-29
<b>Occ. Rank:</b>	Unknown			<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1999-04-29
<b>Occ. Type:</b>	Natural/Native occurrence			<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2007-04-19
<b>Quad Summary:</b>	Oakdale (3712077)						
<b>County Summary:</b>	Stanislaus						
<b>Lat/Long:</b>	37.78819 / -120.76259			<b>Accuracy:</b>	1/10 mile		
<b>UTM:</b>	Zone-10 N4184672 E697014			<b>Elevation (ft):</b>	120		
<b>PLSS:</b>	T02S, R11E, Sec. 04, SE (M)			<b>Acres:</b>	0.0		
<b>Location:</b>	ABOUT 5 MILES ENE OF OAKDALE, ORANGE BLOSSOM RD CROSSING OF STANISLAUS RIVER.						
<b>Detailed Location:</b>	EXACT LOCATION UNKNOWN. SOURCE GIVES LOCALITY AS "STANISLAUS RIVER, ORANGE BLOSSOM." MAPPED AS BEST ESTIMATE AT ORANGE BLOSSOM RD CROSSING OF STANISLAUS RIVER.						
<b>Ecological:</b>							
<b>General:</b>	BAT(S) DETECTED ON 29 APR 1999.						
<b>Owner/Manager:</b>	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Corynorhinus townsendii***

Element Code: AMACC08010

Townsend's big-eared bat

**Listing Status:** **Federal:** None **CNDDB Element Ranks:** **Global:** G4  
**State:** None **State:** S2  
**Other:** BLM\_S-Sensitive, CDFW\_SSC-Species of Special Concern, IUCN\_LC-Least Concern, USFS\_S-Sensitive  
**Habitat:** **General:** THROUGHOUT CALIFORNIA IN A WIDE VARIETY OF HABITATS. MOST COMMON IN MESIC SITES.  
**Micro:** ROOSTS IN THE OPEN, HANGING FROM WALLS AND CEILINGS. ROOSTING SITES LIMITING. EXTREMELY SENSITIVE TO HUMAN DISTURBANCE.

**Occurrence No.** 37 **Map Index:** 13112 **EO Index:** 24314 **Element Last Seen:** 2001-08-12  
**Occ. Rank:** Good **Presence:** Presumed Extant **Site Last Seen:** 2001-08-12  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2001-10-11

**Quad Summary:** Knights Ferry (3712076)

**County Summary:** Calaveras, Tuolumne

**Lat/Long:** 37.86242 / -120.63275 **Accuracy:** 1/10 mile  
**UTM:** Zone-10 N4193191 E708240 **Elevation (ft):** 365  
**PLSS:** T01S, R12E, Sec. 10, SE (M) **Acres:** 0.0

**Location:** GOODWIN DAM, KNIGHTS FERRY.

**Detailed Location:** BATS ROOST IN AN ABANDONED MINE SHAFT ON THE NORTH SLOPE OF THE RIVER CANYON, ABOUT 100 METERS DOWNSTREAM OF GOODWIN RESERVOIR DAM.

**Ecological:** HABITAT CONSISTS OF STEEP-SIDED SLOPES ADJACENT TO THE STANISLAUS RIVER BELOW GOODWIN RESERVOIR. ROOST SITE IS AN OLD MINE SHAFT (2 METERS HIGH X 2.5 METERS WIDE X 50 METERS DEEP). ENTRANCE IS OBSCURED BY 20-FT HIGH DECIDUOUS SHRUBS.

**General:** MVZ SPECIMEN #112333 COLLECTED ON 14 NOV 1948. 30-40 INDIVIDUALS OBSERVED USING THE MINE ON 12 AUG 2001; AN EQUAL NUMBER OF YUMA MYOTIS ALSO PRESENT.

**Owner/Manager:** UNKNOWN

**Occurrence No.** 202 **Map Index:** 69001 **EO Index:** 69346 **Element Last Seen:** 1999-08-15  
**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1999-08-15  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2007-04-19

**Quad Summary:** Knights Ferry (3712076)

**County Summary:** Stanislaus

**Lat/Long:** 37.81999 / -120.66170 **Accuracy:** 1/10 mile  
**UTM:** Zone-10 N4188419 E705811 **Elevation (ft):** 180  
**PLSS:** T01S, R12E, Sec. 28, NW (M) **Acres:** 0.0

**Location:** ABOUT 0.5 MILE EAST OF KNIGHTS FERRY.

**Detailed Location:** MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY SOURCE. INCLUDES LOCALITIES "KNIGHTS FERRY RIVER" AND "HC PLATFORM, RIVER EDGE."

**Ecological:** COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.

**General:** INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 15 AUG 1999.

**Owner/Manager:** UNKNOWN

***Antrozous pallidus***

Element Code: AMACC10010

pallid bat

**Listing Status:** **Federal:** None **CNDDB Element Ranks:** **Global:** G4  
**State:** None **State:** S3  
**Other:** BLM\_S-Sensitive, CDFW\_SSC-Species of Special Concern, IUCN\_LC-Least Concern, USFS\_S-Sensitive  
**Habitat:** **General:**



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



DESERTS, GRASSLANDS, SHRUBLANDS, WOODLANDS AND FORESTS. MOST COMMON IN OPEN, DRY HABITATS WITH ROCKY AREAS FOR ROOSTING.

**Micro:** ROOSTS MUST PROTECT BATS FROM HIGH TEMPERATURES. VERY SENSITIVE TO DISTURBANCE OF ROOSTING SITES.

<b>Occurrence No.</b>	64	<b>Map Index:</b>	46016	<b>EO Index:</b>	46016	<b>Element Last Seen:</b>	2001-08-07
<b>Occ. Rank:</b>	Good	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2001-08-07	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2001-10-02	

**Quad Summary:** New Melones Dam (3712085)

**County Summary:** Calaveras

<b>Lat/Long:</b>	37.87785 / -120.60688	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4194962 E710472	<b>Elevation (ft):</b>	500
<b>PLSS:</b>	T01S, R12E, Sec. 01 (M)	<b>Acres:</b>	0.0

**Location:** NORTH END OF TULLOCH RESERVOIR DAM.

**Detailed Location:** BASALT CLIFF FORMATIONS SURROUND THE STANISLAUS RIVER CANYON IN THIS AREA; CLIFFS ARE FOUND WITHIN 0.25-0.50 MILE OF THE TRAPPING SITE.

**Ecological:** HABITAT SURROUNDING THE RESERVOIR CONSISTS OF OAK SAVANNAH, WITH NUMEROUS OAK SNAGS. SITE HAS A SOUTHERLY ASPECT, WITH A SLOPE OF ABOUT 4%.

**General:** 1 ADULT TRAPPED ON 7 AUG 2001.

**Owner/Manager:** TRI-DAM

<b>Occurrence No.</b>	133	<b>Map Index:</b>	66479	<b>EO Index:</b>	66590	<b>Element Last Seen:</b>	1895-06-12
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		1895-06-12	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2006-09-29	

**Quad Summary:** Angels Camp (3812015)

**County Summary:** Calaveras

<b>Lat/Long:</b>	38.07201 / -120.54294	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4216655 E715527	<b>Elevation (ft):</b>	1440
<b>PLSS:</b>	T03N, R13E, Sec. 33 (M)	<b>Acres:</b>	0.0

**Location:** ANGELS CAMP.

**Detailed Location:** MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN BY MANIS, WITH UNCERTAINTY OF 2143.6462 M.

**Ecological:**

**General:** 1 MALE SPECIMEN COLLECTED BY M.P. ANDERSON 12 JUN 1895, MVZ #30371.

**Owner/Manager:** UNKNOWN



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	361	Map Index:	68815	EO Index:	69337	Element Last Seen:	1999-08-15
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-08-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-04
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81431 / -120.72429				Accuracy:	non-specific area	
UTM:	Zone-10 N4187653 E700317				Elevation (ft):	164	
PLSS:	T01S, R11E, Sec. 26 (M)				Acres:	152.0	
Location:	ABOUT 3 MILES WSW OF KNIGHTS FERRY, HORSESHOE ROAD.						
Detailed Location:	EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCALITY ONLY AS "HORSESHOE B, HWY 120." THE ENTIRE HORSESHOE RD NEAR HWY 120 WAS MAPPED.						
Ecological:							
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 15 AUG 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	362	Map Index:	66400	EO Index:	69344	Element Last Seen:	1999-09-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-09-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-19
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81974 / -120.67173				Accuracy:	1/10 mile	
UTM:	Zone-10 N4188369 E704929				Elevation (ft):	130	
PLSS:	T01S, R12E, Sec. 29 (M)				Acres:	0.0	
Location:	KNIGHTS FERRY.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY PIE04R0001; INCLUDES LOCALITIES KNIGHTS FERRY "COTTONWOODS."						
Ecological:							
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 3 JUL 1998, 17 JUN, 15 AUG AND 16 SEP 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	389	Map Index:	69001	EO Index:	69723	Element Last Seen:	1999-09-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-09-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-23
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81999 / -120.66170				Accuracy:	1/10 mile	
UTM:	Zone-10 N4188419 E705811				Elevation (ft):	180	
PLSS:	T01S, R12E, Sec. 28, NW (M)				Acres:	0.0	
Location:	ABOUT 0.5 MILE EAST OF KNIGHTS FERRY.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY PIE04R0001. INCLUDES "FLOODPLAIN," "HC PLATFORM, RIVER EDGE," "PICNIC AREA."						
Ecological:	COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.						
General:	BAT(S) DETECTED ON 3 JUL & 15 SEP 1998. 29 APR, 17 -18 JUN, 15 AUG AND 16 SEP 1999.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Eumops perotis californicus***

Element Code: AMACD02011

western mastiff bat

**Listing Status:** **Federal:** None

**CNDDB Element Ranks:** **Global:** G4G5T4

**State:** None

**State:** S3S4

**Other:** BLM\_S-Sensitive, CDFW\_SSC-Species of Special Concern

**Habitat:** **General:** MANY OPEN, SEMI-ARID TO ARID HABITATS, INCLUDING CONIFER AND DECIDUOUS WOODLANDS, COASTAL SCRUB, GRASSLANDS, CHAPARRAL, ETC.

**Micro:** ROOSTS IN CREVICES IN CLIFF FACES, HIGH BUILDINGS, TREES AND TUNNELS.

**Occurrence No.** 18 **Map Index:** 31659 **EO Index:** 2316 **Element Last Seen:** 1995-02-24

**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1995-02-24

**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2006-09-27

**Quad Summary:** Keystone (3712075), Knights Ferry (3712076)

**County Summary:** Calaveras, Tuolumne

**Lat/Long:** 37.86230 / -120.62991 **Accuracy:** non-specific area

**UTM:** Zone-10 N4193184 E708490 **Elevation (ft):** 600

**PLSS:** T01S, R12E, Sec. 10, E (M) **Acres:** 107.0

**Location:** VICINITY OF TABLE MOUNTAIN, BOTH SIDES OF STANISLAUS RIVER.

**Detailed Location:** LOCATED IN THE BASALT CLIFFS OVER GOODWIN RESERVOIR AND GOODWIN DAM. MAPPED AS THREE POLYGONS ALONG THE STANISLAUS RIVER IN THE W1/2 SEC 11 AND THE E1/2 SEC 10.

**Ecological:** HABITAT SURROUNDING BASALT CLIFFS CONSISTS OF BLUE OAK WOODLAND AND ANNUAL GRASSLAND.

**General:** MULTIPLE INDIVIDUALS DETECTED 3 & 13 OCT 1994. ROOST LOCATED 20 NOV 1994. SEASON OF USE & NUMBERS OF INDIVIDUALS UNKNOWN; PROBABLY MULTIPLE ROOSTS PRESENT 24 FEB 1995.

**Owner/Manager:** PVT

**Occurrence No.** 19 **Map Index:** 31658 **EO Index:** 22296 **Element Last Seen:** 1995-03-01

**Occ. Rank:** Good **Presence:** Presumed Extant **Site Last Seen:** 1995-03-01

**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2005-06-22

**Quad Summary:** Sonora (3712084), New Melones Dam (3712085)

**County Summary:** Tuolumne

**Lat/Long:** 37.87865 / -120.50072 **Accuracy:** 1/5 mile

**UTM:** Zone-10 N4195296 E719808 **Elevation (ft):** 1250

**PLSS:** T01S, R13E, Sec. 02, SE (M) **Acres:** 0.0

**Location:** 1 MILE SW OF YOSEMITE JUNCTION, SOUTH OF HWY 120, ABOUT 4 MILES SOUTH OF NEW MELONES LAKE.

**Detailed Location:** LOCATED ON THE WEST ASPECT OF TABLE MOUNTAIN, SOUTH OF HWY 120/108.

**Ecological:** HABITAT CONSISTS OF THE BASALT CLIFFS OF TABLE MOUNTAIN; BLUE OAK WOODLAND FOUND BELOW.

**General:** ALTHOUGH USED BY A NUMBER OF INDIVIDUALS DURING THE SUMMER, THIS IS APPARENTLY NOT A MATERNITY ROOST. SERVAL ADULTS OBSERVED IN AREA 25 OCT 1994.

**Owner/Manager:** PVT



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	22	Map Index:	33335	EO Index:	14554	Element Last Seen:	1995-04-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1995-04-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-02-16
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Tuolumne						
Lat/Long:	37.90878 / -120.56047				Accuracy:	80 meters	
UTM:	Zone-10 N4198500 E714465				Elevation (ft):	1000	
PLSS:	T01N, R13E, Sec. 28, SW (M)				Acres:	0.0	
Location:	"IF I CAN" MINE, AT "JAILHOUSE ROCK," NE OF TULLOCH RESERVOIR, JUST EAST OF THE STANISLAUS RIVER.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF THE BASALT CLIFFS OF TABLE MOUNTAIN, OVER BLUE OAK WOODLAND, NEAR TULLOCH RESERVOIR.						
General:	8 INDIVIDUALS OBSERVED ROOSTING ON 4 APRIL 1995.						
Owner/Manager:	PVT						
Occurrence No.	90	Map Index:	66329	EO Index:	66423	Element Last Seen:	1957-12-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1957-12-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-09-21
Quad Summary:	Oakdale (3712077), Escalon (3712078)						
County Summary:	Stanislaus						
Lat/Long:	37.79802 / -120.86587				Accuracy:	3/5 mile	
UTM:	Zone-10 N4185550 E687893				Elevation (ft):		
PLSS:	T02S, R10E, Sec. 03 (M)				Acres:	0.0	
Location:	2 MILES NORTH OF OAKDALE.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN IN MANIS, WITH UNCERTAINTY 804.672 M.						
Ecological:							
General:	1 FEMALE COLLECTED BY B. NEAL AND R. GARRETSON ON 27 DEC 1957, MVZ #183488.						
Owner/Manager:	UNKNOWN						
Occurrence No.	96	Map Index:	66343	EO Index:	66440	Element Last Seen:	1994-11-20
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1994-11-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-09-25
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Tuolumne						
Lat/Long:	37.88257 / -120.56277				Accuracy:	1/10 mile	
UTM:	Zone-10 N4195586 E714338				Elevation (ft):	900	
PLSS:	T01S, R13E, Sec. 05, NE (M)				Acres:	0.0	
Location:	TULLOCH LAKE, TABLE MT.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COODINATES GIVEN.						
Ecological:							
General:	ROOST LOCATED 20 NOV 1994.						
Owner/Manager:	UNKNOWN						





Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



<b>Occurrence No.</b>	97	<b>Map Index:</b>	66344	<b>EO Index:</b>	66441	<b>Element Last Seen:</b>	1994-10-13
<b>Occ. Rank:</b>	Unknown			<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1994-10-13
<b>Occ. Type:</b>	Natural/Native occurrence			<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2006-09-25
<b>Quad Summary:</b>	New Melones Dam (3712085)						
<b>County Summary:</b>	Calaveras, Tuolumne						
<b>Lat/Long:</b>	37.87646 / -120.60386			<b>Accuracy:</b>	1/10 mile		
<b>UTM:</b>	Zone-10 N4194815 E710742			<b>Elevation (ft):</b>	450		
<b>PLSS:</b>	T01S, R12E, Sec. 01, SW (M)			<b>Acres:</b>	0.0		
<b>Location:</b>	TULLOCH RESERVOIR, NORTH SHORE.						
<b>Detailed Location:</b>	MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN. INCLUDES LOCALITIES "O'BYRNE'S FERRY RD. & STANISLAUS RIVER" AND "TABLE MT, TULLOCH LAKE." COORDINATES PLACE OCCURRENCE NEAR DAM; NEEDS FIELDWORK.						
<b>Ecological:</b>							
<b>General:</b>	MULTIPLE INDIVIDUALS DETECTED 3 & 13 OCT 1994. ROOST LOCATED 20 NOV 1994.						
<b>Owner/Manager:</b>	UNKNOWN						
<b>Occurrence No.</b>	144	<b>Map Index:</b>	66400	<b>EO Index:</b>	66495	<b>Element Last Seen:</b>	1999-10-22
<b>Occ. Rank:</b>	Unknown			<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1999-10-22
<b>Occ. Type:</b>	Natural/Native occurrence			<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2007-04-19
<b>Quad Summary:</b>	Knights Ferry (3712076)						
<b>County Summary:</b>	Stanislaus						
<b>Lat/Long:</b>	37.81974 / -120.67173			<b>Accuracy:</b>	1/10 mile		
<b>UTM:</b>	Zone-10 N4188369 E704929			<b>Elevation (ft):</b>	210		
<b>PLSS:</b>	T01S, R12E, Sec. 29, E (M)			<b>Acres:</b>	0.0		
<b>Location:</b>	KNIGHTS FERRY.						
<b>Detailed Location:</b>	MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN. INCLUDES LOCALITY "COTTONWOODS."						
<b>Ecological:</b>	COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.						
<b>General:</b>	MULTIPLE INDIVIDUALS DETECTED 13 OCT 1994. INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 15 AUG, & 22 OCT 1999.						
<b>Owner/Manager:</b>	UNKNOWN						
<b>Occurrence No.</b>	216	<b>Map Index:</b>	68815	<b>EO Index:</b>	69338	<b>Element Last Seen:</b>	1999-08-15
<b>Occ. Rank:</b>	Unknown			<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1999-08-15
<b>Occ. Type:</b>	Natural/Native occurrence			<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2007-04-04
<b>Quad Summary:</b>	Knights Ferry (3712076)						
<b>County Summary:</b>	Stanislaus						
<b>Lat/Long:</b>	37.81431 / -120.72429			<b>Accuracy:</b>	non-specific area		
<b>UTM:</b>	Zone-10 N4187653 E700317			<b>Elevation (ft):</b>	164		
<b>PLSS:</b>	T01S, R11E, Sec. 26 (M)			<b>Acres:</b>	152.0		
<b>Location:</b>	ABOUT 3 MILES WSW OF KNIGHTS FERRY, HORSESHOE ROAD.						
<b>Detailed Location:</b>	EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCALITY ONLY AS "HORSESHOE A & B, HWY 120." THE ENTIRE HORSESHOE RD NEAR HWY 120 WAS MAPPED.						
<b>Ecological:</b>							
<b>General:</b>	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 15 AUG 1999.						
<b>Owner/Manager:</b>	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	236	Map Index:	64072	EO Index:	69717	Element Last Seen:	1999-10-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-10-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-19
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Calaveras, Tuolumne						
Lat/Long:	37.84068 / -120.64195				Accuracy:	1/10 mile	
UTM:	Zone-10 N4190759 E707492				Elevation (ft):	250	
PLSS:	T01S, R12E, Sec. 22 (M)				Acres:	0.0	
Location:	ABOUT 2 MILES NE OF KNIGHTS FERRY, STANISLAUS RIVER, TWO MILE BAR.						
Detailed Location:							
Ecological:							
General:	MULTIPLE INDIVIDUALS DETECTED 13 OCT 1994. INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 17 JUN, 15 AUG, 16 SEP AND 22 OCT 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	237	Map Index:	69001	EO Index:	69721	Element Last Seen:	1999-10-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-10-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-05-08
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81999 / -120.66170				Accuracy:	1/10 mile	
UTM:	Zone-10 N4188419 E705811				Elevation (ft):	180	
PLSS:	T01S, R12E, Sec. 28, NW (M)				Acres:	0.0	
Location:	ABOUT 0.5 MILE EAST OF KNIGHTS FERRY.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATS PROVIDED BY SOURCE. INCLUDES "FLOODPLAIN," "HC PLATFORM, RIVER EDGE", & "PICNIC AREA."						
Ecological:	COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.						
General:	BAT(S) DETECTED ON 3 JUL & 15 SEP 1998. 17 -18 JUN, 15 AUG, & 22 OCT 1999.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Erethizon dorsatum***

Element Code: AMAFJ01010

North American porcupine

**Listing Status:** **Federal:** None

**CNDDB Element Ranks:** **Global:** G5

**State:** None

**State:** S3

**Other:** IUCN\_LC-Least Concern

**Habitat:** **General:** FORESTED HABITATS IN THE SIERRA NEVADA, CASCADE, AND COAST RANGES, WITH SCATTERED OBSERVATIONS FROM FORESTED AREAS IN THE TRANSVERSE RANGES.

**Micro:** WIDE VARIETY OF CONIFEROUS AND MIXED WOODLAND HABITAT.

**Occurrence No.** 427 **Map Index:** A6223 **EO Index:** 107979 **Element Last Seen:** 2015-09-13  
**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 2015-09-13  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2017-09-05

**Quad Summary:** Copperopolis (3712086)

**County Summary:** Calaveras

**Lat/Long:** 37.97909 / -120.64106 **Accuracy:** 2/5 mile  
**UTM:** Zone-10 N4206120 E707182 **Elevation (ft):** 973  
**PLSS:** T02N, R12E, Sec. 34, S (M) **Acres:** 280.0

**Location:** AREA JUST SE OF HWY 4 AT ROCK CREEK RD, COPPEROPOLIS.

**Detailed Location:** MAPPED TO INCLUDE THE PROVIDED COORDINATES AND GENERAL LOCATION DESCRIPTION OF "COPPEROPOLIS."

**Ecological:**

**General:** 1 PORCUPINE OBSERVED COMING UP ON THE PORCH OF A PRIVATE RESIDENCE ON 13 SEP 2015.

**Owner/Manager:** UNKNOWN, PVT

**Occurrence No.** 428 **Map Index:** A6116 **EO Index:** 107869 **Element Last Seen:** 2013-05-11  
**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 2013-05-11  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2017-08-28

**Quad Summary:** Copperopolis (3712086)

**County Summary:** Calaveras

**Lat/Long:** 37.95138 / -120.69531 **Accuracy:** non-specific area  
**UTM:** Zone-10 N4202926 E702493 **Elevation (ft):** 998  
**PLSS:** T01N, R12E, Sec. 7, E (M) **Acres:** 49.0

**Location:** ALONG HWY 4, ABOUT 0.2-1 MI W OF HORSESHOE LN INTERSECTION, 1.1 MI ESE OF BOUCHER MOUNTAIN PEAK, W OF COPPEROPOLIS.

**Detailed Location:** MAPPED ACCORDING TO THE PROVIDED LOCATION DESCRIPTION OF "HWY 4, ABOUT 3.8 MILES WEST OF COPPEROPOLIS." COORDINATES WERE PROVIDED BUT WERE LOCATED ABOUT 0.2 MI OFF OF THE ROAD. USED ONLY AS AN ESTIMATE OF THE LOCATION ON THE ROAD.

**Ecological:**

**General:** 1 PORCUPINE OBSERVED AS ROADKILL ON 11 MAY 2013.

**Owner/Manager:** UNKNOWN

***Actinemys marmorata***

Element Code: ARAAD02031

northwestern pond turtle

**Listing Status:** **Federal:** Proposed Threatened

**CNDDB Element Ranks:** **Global:** G2

**State:** None

**State:** SNR

**Other:** BLM\_S-Sensitive, CDFW\_SSC-Species of Special Concern, IUCN\_VU-Vulnerable, USFS\_S-Sensitive

**Habitat:** **General:** ☐

**Micro:** ☐



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	105	Map Index:	38604	EO Index:	33611	Element Last Seen:	1997-06-12
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1997-06-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-04-13
Quad Summary:	Keystone (3712075)						
County Summary:	Tuolumne						
Lat/Long:	37.86506 / -120.53549				Accuracy:	specific area	
UTM:	Zone-10 N4193706 E716789				Elevation (ft):	600	
PLSS:	T01S, R13E, Sec. 10, NW (M)				Acres:	24.7	
Location:	GREEN SPRING RUN, 0.5 MILES UPSTREAM OF MOUNTAIN PASS CREEK CONFLUENCE, SW OF SONORA.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF GRAZED RIPARIAN. RIPARIAN IN POOR CONDITION; VEGETATION IS SCANT AND DOMINATED BY WOODY SPECIES/NON-NATIVES. STREAM RUNS DRY IN SECTIONS DUE TO LACK OF RIPARIAN VEGETATION.						
General:	1 ADULT POND TURTLE OBSERVED ON 12 JUN 1997.						
Owner/Manager:	BLM						

Occurrence No.	451	Map Index:	32807	EO Index:	12431	Element Last Seen:	1879-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1879-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-02-22
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81844 / -120.67240				Accuracy:	1 mile	
UTM:	Zone-10 N4188223 E704873				Elevation (ft):	150	
PLSS:	T01S, R12E, Sec. 29 (M)				Acres:	0.0	
Location:	KNIGHTS FERRY.						
Detailed Location:	NO OTHER LOCATION INFORMATION GIVEN.						
Ecological:							
General:	LOCKINGTON COLLECTED UNKNOWN NUMBER OF SPECIMENS IN 1879.						
Owner/Manager:	UNKNOWN						

Occurrence No.	529	Map Index:	34697	EO Index:	323	Element Last Seen:	1993-06-17
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1993-06-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-04-02
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.80775 / -120.83243				Accuracy:	specific area	
UTM:	Zone-10 N4186698 E690814				Elevation (ft):	200	
PLSS:	T01S, R10E, Sec. 35 (M)				Acres:	7.7	
Location:	LARGE MAN-MADE LAKE 100 FT N OF BURNETT LATERAL, 0.9 MI DUE N OF RODDEN ROAD, 0.45 MI E OF TWENTY-EIGHT MILE ROAD.						
Detailed Location:							
Ecological:	LARGE MAN-MADE LAKE SURROUNDED BY ANNUAL GRASSLANDS AND ORCHARDS.						
General:	1 ADULT OBSERVED BY C. LUKE.						
Owner/Manager:	PVT						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	530	Map Index:	34698	EO Index:	322	Element Last Seen:	1993-06-17
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	1993-06-17		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1996-04-02		
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.80225 / -120.82875	Accuracy:	1/5 mile				
UTM:	Zone-10 N4186095 E691152	Elevation (ft):	180				
PLSS:	T01S, R10E, Sec. 36 (M)	Acres:	0.0				
Location:	LARGE POND AT INTERSECTION OF HI LINE & COLLINS LATERALS; 0.45 MI NORTH OF RODDEN RD; 0.65 MI E OF TWENTY-EIGHT MILE RD.						
Detailed Location:							
Ecological:	MAN-MADE POND, WITH WEEPING WILLOWS ALONG SOUTHERN BANK, AT THE INTERSECTION OF TWO CREEKS, SURROUNDED BY ANNUAL GRASSLAND, IRRIGATION DITCHES AND ORCHARDS.						
General:	1 ADULT AND 1 JUVENILE OBSERVED AT POND BY C. LUKE.						
Owner/Manager:	PVT						

**Northern Hardpan Vernal Pool**

Element Code: CTT44110CA

Northern Hardpan Vernal Pool

Listing Status:	Federal:	None	CNDDDB Element Ranks:	Global:	G3
	State:	None		State:	S3.1
	Other:				
Habitat:	General:	<input type="checkbox"/>			
	Micro:	<input type="checkbox"/>			

Occurrence No.	77	Map Index:	12701	EO Index:	26873	Element Last Seen:	1986-07-24
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1986-07-24		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1998-07-15		
Quad Summary:	Knights Ferry (3712076), Oakdale (3712077), Copperopolis (3712086), Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.88742 / -120.75798	Accuracy:	1 mile				
UTM:	Zone-10 N4195694 E697156	Elevation (ft):	340				
PLSS:	T01N, R11E, Sec. 34, SW (M)	Acres:	0.0				
Location:	HEADWATERS OF SHIRLEY CREEK, ABOUT 6 AIR MILES NW OF KNIGHTS FERRY (RANCHERIA DEL RIO ESTANISLAO).						
Detailed Location:	IN ANNUAL GRASSLAND.						
Ecological:	NEOSTAPFIA COLUSANA IN DEEPEST PORTION OF POOL W/ CRYPIS NILIACEA. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.						
General:	SEE <a href="https://wildlife.ca.gov/Data/VegCamp/Natural-Communities">HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES</a> TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	PVT						

**Branchinecta lynchi**

Element Code: ICBRA03030

vernal pool fairy shrimp

Listing Status:	Federal:	Threatened	CNDDDB Element Ranks:	Global:	G3
	State:	None		State:	S3
	Other:	IUCN_VU-Vulnerable			
Habitat:	General:	ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MOUNTAINS, AND SOUTH COAST MOUNTAINS, IN ASTATIC RAIN-FILLED POOLS.			



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



<b>Micro:</b> INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.							
<b>Occurrence No.</b>	795	<b>Map Index:</b>	93974	<b>EO Index:</b>	95102	<b>Element Last Seen:</b>	2013-02-04
<b>Occ. Rank:</b>	Unknown			<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	2013-02-04
<b>Occ. Type:</b>	Natural/Native occurrence			<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2014-09-30
<b>Quad Summary:</b>	Knights Ferry (3712076)						
<b>County Summary:</b>	Stanislaus						
<b>Lat/Long:</b>	37.76042 / -120.71720			<b>Accuracy:</b>	non-specific area		
<b>UTM:</b>	Zone-10 N4181688 E701086			<b>Elevation (ft):</b>	250		
<b>PLSS:</b>	T02S, R11E, Sec. 13 (M)			<b>Acres:</b>	33.0		
<b>Location:</b>	ALONG HETCH HETCHY AQUEDUCT, 0.3 TO 0.9 MILE NE OF WHERE FOGARTY ROAD CROSSES SIERRA RAILROAD, EAST OF OAKDALE.						
<b>Detailed Location:</b>	CASHMAN CREEK STUDY AREA. MAPPED TO OCCUPIED POOLS.						
<b>Ecological:</b>	VERNAL POOLS WITHIN HETCH HETCHY AQUEDUCT RIGHT-OF-WAY ON LAND USED FOR GRAZING.						
<b>General:</b>	ADULTS DETECTED IN 4 OF 62 POOLS SAMPLED IN 2010-2011. B. LYNCHI CYSTS IDENTIFIED FROM AN ADDITIONAL 5 POOLS (AND A TOTAL OF 7 POOLS). 1S FOUND IN 1 POOL ON 4 FEB 2013.						
<b>Owner/Manager:</b>	SFPUC						
<b>Occurrence No.</b>	796	<b>Map Index:</b>	93977	<b>EO Index:</b>	95109	<b>Element Last Seen:</b>	2013-01-07
<b>Occ. Rank:</b>	Unknown			<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	2013-01-07
<b>Occ. Type:</b>	Natural/Native occurrence			<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2014-09-29
<b>Quad Summary:</b>	Knights Ferry (3712076)						
<b>County Summary:</b>	Stanislaus						
<b>Lat/Long:</b>	37.77673 / -120.67720			<b>Accuracy:</b>	80 meters		
<b>UTM:</b>	Zone-10 N4183584 E704566			<b>Elevation (ft):</b>	460		
<b>PLSS:</b>	T02S, R12E, Sec. 08, NW (M)			<b>Acres:</b>	0.0		
<b>Location:</b>	ALONG THE HETCH HETCHY AQUEDUCT, 1.8 MILES EAST OF CASHMAN DAM, EAST OF OAKDALE.						
<b>Detailed Location:</b>	VERNAL POOL 54.70-1 IN SFPUC EAST SEGMENT PIPELINE 4 HABITAT MAP BOOK.						
<b>Ecological:</b>	VERNAL POOL WITHIN SFPUC ROW. POOL ABOUT 7 INCHES DEEP, 8 DEGREES CELSIUS. VISIBLE DISTURBANCES FROM ACCESS ROAD AND CATTLE GRAZING NOTED.						
<b>General:</b>	1S DETECTED IN 1 POOL ON 7 JAN 2013.						
<b>Owner/Manager:</b>	SFPUC						





Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	797	Map Index:	93979	EO Index:	95112	Element Last Seen:	2013-01-07
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-01-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-09-29
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.78471 / -120.66437				Accuracy:	specific area	
UTM:	Zone-10 N4184497 E705674				Elevation (ft):	540	
PLSS:	T02S, R12E, Sec. 04, SW (M)				Acres:	6.0	
Location:	JUST NORTH OF THE HETCH HETCHY AQUEDUCT, 2.6 MILES ENE OF CASHMAN DAM, EAST OF OAKDALE.						
Detailed Location:	POOLS AR10-2 AND AR10-5 IN SFPUC EAST SEGMENT PIPELINE 4 HABITAT MAP BOOK.						
Ecological:	TWO VERNAL POOLS ADJACENT TO SFPUC ACCESS ROAD, DEPTH 5 INCHES, TEMPERATURE 10 DEGREES C. SURROUNDING USES GRAZING, ALMOND ORCHARDS.						
General:	3 ADULTS FOUND IN 2 POOLS ON 7 JAN 2013.						
Owner/Manager:	SFPUC, PVT						

Occurrence No.	921	Map Index:	B5266	EO Index:	118217	Element Last Seen:	2003-01-20
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-01-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-03-13
Quad Summary:	Keystone (3712075)						
County Summary:	Stanislaus						
Lat/Long:	37.77283 / -120.62123				Accuracy:	80 meters	
UTM:	Zone-10 N4183276 E709508				Elevation (ft):	299	
PLSS:	T02S, R12E, Sec. 11, SW (M)				Acres:	5.0	
Location:	W SIDE OF WILMS RD, ABOUT 2.6 MILES NW OF THE ROCK RIVER RD JUNCTION & 4.2 MI SE OF KNIGHTS FERRY.						
Detailed Location:	SITE DESCRIPTION: "ISOLATED POND 2.59 MILES NW OF ROCK RIVER RD JUNCT."						
Ecological:	ISOLATED POND WITH SILT AND VEGETATION SUBSTRATES.						
General:	4 FEMALE AND 9 MALE ADULTS DETECTED ON 20 JAN 2003.						
Owner/Manager:	UNKNOWN						

Occurrence No.	922	Map Index:	B5267	EO Index:	118219	Element Last Seen:	2003-01-20
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-01-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-03-13
Quad Summary:	Keystone (3712075)						
County Summary:	Stanislaus						
Lat/Long:	37.75137 / -120.60291				Accuracy:	specific area	
UTM:	Zone-10 N4180935 E711182				Elevation (ft):	251	
PLSS:	T02S, R12E, Sec. 24, NW (M)				Acres:	9.0	
Location:	W SIDE OF WILMS RD, ABOUT 0.8 MILES NW OF THE ROCK RIVER RD JUNCTION & 6.0 MI SE OF KNIGHTS FERRY.						
Detailed Location:	SITE DESCRIPTIONS: "ISOLATED PONDS 0.86 MILE NW OF ROCK RIVER RD JUNCT" & "ISOLATED POND 0.77 MILES NW OF ROCK RIVER RD JUNCT."						
Ecological:							
General:	8 FEMALE, 28 MALE & 1 UNKNOWN ADULTS DETECTED ON 20 JAN 2003.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Linderiella occidentalis***

Element Code: ICBRA06010

California linderiella

**Listing Status:** **Federal:** None

**CNDDB Element Ranks:** **Global:** G2G3

**State:** None

**State:** S2S3

**Other:** IUCN\_NT-Near Threatened

**Habitat:** **General:** SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.

**Micro:** WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TOTAL DISSOLVED SOLIDS.

**Occurrence No.** 35 **Map Index:** 33068 **EO Index:** 3701 **Element Last Seen:** 1994-04-08

**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1994-04-08

**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1995-03-21

**Quad Summary:** Bachelor Valley (3712087)

**County Summary:** Stanislaus

**Lat/Long:** 37.98510 / -120.84158 **Accuracy:** 1/5 mile

**UTM:** Zone-10 N4206360 E689552 **Elevation (ft):** 240

**PLSS:** T02N, R10E, Sec. 35, NE (M) **Acres:** 0.0

**Location:** EAST SIDE OF MILTON ROAD, 2.7 MILES NORTH OF HIGHWAY 4, ABOUT 2.5 MILES SOUTH OF MILTON.

**Detailed Location:**

**Ecological:**

**General:** COLLECTION #MW-94-33, DEPOSITED AT DFG-IFD.

**Owner/Manager:** UNKNOWN

**Occurrence No.** 36 **Map Index:** 33069 **EO Index:** 3702 **Element Last Seen:** 1994-04-08

**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1994-04-08

**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1995-03-21

**Quad Summary:** Bachelor Valley (3712087)

**County Summary:** Stanislaus

**Lat/Long:** 37.99244 / -120.84576 **Accuracy:** 1/5 mile

**UTM:** Zone-10 N4207166 E689167 **Elevation (ft):** 220

**PLSS:** T02N, R10E, Sec. 26, SW (M) **Acres:** 0.0

**Location:** EAST SIDE OF MILTON ROAD, 3.2 MILES NORTH OF HIGHWAY 4, ABOUT 3 MILES SOUTH OF MILTON.

**Detailed Location:**

**Ecological:**

**General:** COLLECTION #MW-94-34, DEPOSITED AT DFG-IFD.

**Owner/Manager:** UNKNOWN



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	482	Map Index:	B5557	EO Index:	118526	Element Last Seen:	2013-02-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-02-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-05-26
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.75462 / -120.72655				Accuracy:	specific area	
UTM:	Zone-10 N4181023 E700279				Elevation (ft):	215	
PLSS:	T02S, R11E, Sec. 14, SE (M)				Acres:	3.0	
Location:	ALONG FOGARTY ROAD AT SIERRA RAILROAD, 6.6 MILES EAST OF OAKDALE.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES FOR POOL ID 14-6. AT THE NW CORNER OF SIERRA RAILROAD AND FOGARTY ROAD (DIRT) SOUTH OF HETCH HETCHY AQUEDUCT.						
Ecological:	NEARBY LAND CONVERTED TO ALMOND ORCHARDS AROUND 2016.						
General:	DETECTED HERE ON 26 FEB 2013.						
Owner/Manager:	UNKNOWN						

Occurrence No.	483	Map Index:	B5558	EO Index:	118527	Element Last Seen:	2013-02-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-02-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-05-29
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.75955 / -120.71927				Accuracy:	specific area	
UTM:	Zone-10 N4181586 E700908				Elevation (ft):	239	
PLSS:	T02S, R11E, Sec. 13, SW (M)				Acres:	23.0	
Location:	ALONG HETCH HETCHY AQUEDUCT WHERE FOGARTY RD TURNS INTO WAMBLE RD JUST E OF SIERRA RAILROAD, 6.9 MILES E OF OAKDALE.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES FOR ABOUT 13 POOLS ALONG THE HETCH HETCHY AQUEDUCT JUST EAST OF SIERRA RAILROAD.						
Ecological:	SOME POOLS APPEAR TO HAVE BEEN CONVERTED TO ALMOND ORCHARDS AROUND 2016.						
General:	86 CYSTS DETECTED IN 13 OF 62 POOLS IN AUG 2011. FOUND HERE ON 7 JAN AND 4 FEB 2013.						
Owner/Manager:	UNKNOWN						

<b><i>Lepidurus packardi</i></b>			<b>Element Code:</b> ICBRA10010	
vernal pool tadpole shrimp				
<b>Listing Status:</b>	<b>Federal:</b>	Endangered	<b>CNDDB Element Ranks:</b>	<b>Global:</b> G3
	<b>State:</b>	None		<b>State:</b> S3
	<b>Other:</b>	IUCN_EN-Endangered		
<b>Habitat:</b>	<b>General:</b>	INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.		
	<b>Micro:</b>	POOLS COMMONLY FOUND IN GRASS-BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED AND HIGHLY TURBID.		



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	64	Map Index:	34784	EO Index:	28654	Element Last Seen:	1993-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-07-30
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.79096 / -120.86574				Accuracy:	80 meters	
UTM:	Zone-10 N4184767 E687924				Elevation (ft):	185	
PLSS:	T02S, R10E, Sec. 03 (M)				Acres:	0.0	
Location:	NNW OF OAKDALE; IMMEDIATELY EAST OF VALLEY HOME ROAD AT BURNETT LATERAL.						
Detailed Location:	2 PARALLEL DITCHES BETWEEN LARGE FISH POND AND HIGHWAY 120.						
Ecological:							
General:	NUNKOWN NUMBER OF TADPOLE SHRIMP COLLECTED; PROPERTY FOR SALE ON 5/17/1993.						
Owner/Manager:	PVT						

Occurrence No.	65	Map Index:	34785	EO Index:	12639	Element Last Seen:	1993-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-07-30
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.80133 / -120.83721				Accuracy:	80 meters	
UTM:	Zone-10 N4185976 E690409				Elevation (ft):	190	
PLSS:	T01S, R10E, Sec. 35 (M)				Acres:	0.0	
Location:	EAST OF BURNETT LATERAL AT OLD TULLOCH DRAIN; 850 FEET EAST OF TWENTY-EIGHT MILE ROAD; 0.5 MILE NORTH OF RODDEN ROAD.						
Detailed Location:							
Ecological:	LARGE, SHALLOW, TEMPORARY POND.						
General:	TADPOLE SHRIMP OBSERVED AND COLLECTED; DATA RECEIVED FROM USFWS IN 1996.						
Owner/Manager:	PVT						

Occurrence No.	102	Map Index:	33705	EO Index:	30658	Element Last Seen:	1993-03-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-03-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-03-18
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.76108 / -120.80255				Accuracy:	3/5 mile	
UTM:	Zone-10 N4181580 E693566				Elevation (ft):	200	
PLSS:	T02S, R11E, Sec. 18 (M)				Acres:	0.0	
Location:	VICINITY OF WREN ROAD AND SIERRA ROAD, ABOUT 2 MILES ESE OF OAKDALE.						
Detailed Location:	VERNAL POOLS LOCATED SOMEWHERE IN SECTION 18.						
Ecological:	NATURAL VERNAL POOLS.						
General:	LEPIDURUS PACKARDI OBSERVED IN THE ONE FEATURE INSPECTED. SUGNET RECORD #112. NO B. LYNCHI OBSERVED.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	164	Map Index:	46009	EO Index:	46009	Element Last Seen:	2001-08-27
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2001-08-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2001-10-02
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus, Tuolumne						
Lat/Long:	37.81954 / -120.64529				Accuracy:	3/5 mile	
UTM:	Zone-10 N4188405 E707257				Elevation (ft):	460	
PLSS:	T01S, R12E, Sec. 27 (M)				Acres:	0.0	
Location:	EAST OF KNIGHTS FERRY.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF NORTHERN VOLCANIC MUDFLOW VERNAL POOL; VEGETATED BY LASTHENIA FREMONTII, ERYNGIUM CASTRENSE, PLAGIOBOTHRYUS STIPITATUS, DOWNINGIA ORNATISSIMA, RANUNCULUS BONARIENSIS, AND DESCHAMPSIA DANTHONIOIDES.						
General:	25 CYSTS COLLECTED ON 27 AUG 2001 AND DEPOSITED AT BOHART MUSEUM (UCD).						
Owner/Manager:	PVT						

Occurrence No.	349	Map Index:	95218	EO Index:	96355	Element Last Seen:	2013-02-26
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2013-02-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-02-24
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.75920 / -120.72066				Accuracy:	specific area	
UTM:	Zone-10 N4181544 E700785				Elevation (ft):	240	
PLSS:	T02S, R11E, Sec. 14 (M)				Acres:	59.0	
Location:	VICINITY OF HETCH HETCHY AQUEDUCT, FROM FOGARTY RD AT THE SIERRA RR CROSSING TO WAMBLE RD AT THE AQUEDUCT CROSSING.						
Detailed Location:	CASHMAN CREEK STUDY AREA. MAPPED TO OCCUPIED POOLS.						
Ecological:	VERNAL POOLS WITHIN HETCH HETCHY AQUEDUCT RIGHT-OF-WAY ON LAND USED FOR GRAZING; VP INDICATOR PLANTS PRESENT. SPECIES CO-OCCURRED WITH AMBYSTOMA CALIFORNIENSE LARVAE & LINDERIELLA OCCIDENTALIS. BRANCHINECTA LYNCHI CYSTS ALSO FOUND ONSITE.						
General:	ADULTS FOUND IN 12 OF 62 POOLS SAMPLED IN 2010-2011; CARAPACES ONLY IN AN ADDITIONAL 2 POOLS; CYSTS IN 7 POOLS. 10S-100S FOUND IN 5 POOLS, FEB 2013.						
Owner/Manager:	SFPUC, PVT						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Desmocerus californicus dimorphus***

Element Code: IICOL48011

valley elderberry longhorn beetle

**Listing Status:** **Federal:** Threatened

**CNDDDB Element Ranks:** **Global:** G3T3

**State:** None

**State:** S3

**Other:**

**Habitat:** **General:** OCCURS ONLY IN THE CENTRAL VALLEY OF CALIFORNIA, IN ASSOCIATION WITH BLUE ELDERBERRY (SAMBUCUS MEXICANA).

**Micro:** PREFERS TO LAY EGGS IN ELDERBERRIES 2-8 INCHES IN DIAMETER; SOME PREFERENCE SHOWN FOR "STRESSED" ELDERBERRIES.

<b>Occurrence No.</b>	219	<b>Map Index:</b>	90164	<b>EO Index:</b>	91175	<b>Element Last Seen:</b>	2009-12-02
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2009-12-02	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2013-08-20	

**Quad Summary:** Knights Ferry (3712076)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.81823 / -120.66262	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4188222 E705734	<b>Elevation (ft):</b>	210
<b>PLSS:</b>	T01S, R12E, Sec. 28, SW (M)	<b>Acres:</b>	0.0

**Location:** ALONG SCHUPER RD, ABOUT 0.5 MI ESE OF KNIGHTS FERRY (TOWN), 1.8 MI ENE OF LOVERS LEAP.

**Detailed Location:** MAPPED TO PROVIDED COORDINATES. NEAR 18201 SHUPER RD, KNIGHTS FERRY.

**Ecological:** ELDERBERRY SHRUB LOCATED AT THE SIDE OF A ROAD IN GRASSLAND/OAK WOODLAND WAS ESTIMATED TO BE 22 FT TALL WITH 20 X 20 FT MAXIMUM CANOPY. SHRUB UNDERGOES REGULAR PRUNING FROM PG&E AND ROAD CLEARANCE ACTIVITIES.

**General:** 3 EXIT HOLES FOUND ON 2 DEC 2009.

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	220	<b>Map Index:</b>	90167	<b>EO Index:</b>	91178	<b>Element Last Seen:</b>	2009-12-02
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2009-12-02	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2013-08-20	

**Quad Summary:** Knights Ferry (3712076)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.79005 / -120.74438	<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4184918 E698612	<b>Elevation (ft):</b>	150
<b>PLSS:</b>	T02S, R11E, Sec. 03 (M)	<b>Acres:</b>	0.0

**Location:** ABOUT 0.2 MI WNW OF OLIVE RD AT ORANGE BLOSSOM RD, 6 MI ENE OF OAKDALE CITY HALL.

**Detailed Location:** MAPPED TO PROVIDED COORDINATES. NEAR DRIVEWAY GATE AT 13537 ORANGE BLOSSOM RD, OAKDALE.

**Ecological:** ELDERBERRY SHRUB LOCATED AT THE SIDE OF A ROAD IN RESIDENTIAL AREA WAS ESTIMATED TO BE 18 FT TALL WITH 50 X 15 FT MAXIMUM CANOPY. SHRUB UNDERGOES REGULAR PRUNING FROM PG&E AND RESIDENTS.

**General:** OVER 20 EXIT HOLES FOUND ON 2 DEC 2009.

**Owner/Manager:** PVT





Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Rhaphiomidas trochilus***

Element Code: IIDIP05010

San Joaquin Valley giant flower-loving fly

**Listing Status:** **Federal:** None

**CNDDDB Element Ranks:** **Global:** G1

**State:** None

**State:** S1

**Other:**

**Habitat:** **General:** HISTORICALLY KNOWN FROM, AND ENDEMIC TO, SANDY SOILS OF THE SAN JOAQUIN VALLEY FROM ANTIOCH DUNES IN CONTRA COSTA CO SOUTH TO SAND RIDGE IN KERN CO. ASSOCIATED WITH SANDY SOILS SUCH AS RIVERINE DEPOSITS AND SAND DUNES WITH RELATIVELY SPARSE VEGETATION.

**Micro:** ADULT FLIGHT FROM JUL TO OCT AND LIFE SPAN IS ABOUT 3 DAYS AND DO NOT VISIT FLOWERS/NECTAR. FEMALES DEPOSIT EGGS IN AND ON THE SURFACE OF SANDY SOIL. LARVAE BURROW IN FINE SANDS UP TO 10 FEET DEEP AND ARE KNOWN TO LIVE FOR 3 YEARS PRIOR TO PUPATION.

<b>Occurrence No.</b>	3	<b>Map Index:</b>	12533	<b>EO Index:</b>	121295	<b>Element Last Seen:</b>	1961-08-24
<b>Occ. Rank:</b>	None	<b>Presence:</b>	Extirpated	<b>Site Last Seen:</b>			1961-08-24
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Decreasing	<b>Record Last Updated:</b>			2022-07-05

**Quad Summary:** Oakdale (3712077)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.76742 / -120.85327	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4182180 E689081	<b>Elevation (ft):</b>	150
<b>PLSS:</b>	T02S, R10E, Sec. 15 (M)	<b>Acres:</b>	0.0

**Location:** OAKDALE.

**Detailed Location:** MAPPED NON-SPECIFICALLY TO TOWN OF OAKDALE. SPECIMEN RECORD ONLY NOTED AS "OAKDALE" (CAZIER 1985). POSSIBLY COLLECTED FROM SANDY BANKS OF THE STANISLAUS RIVER.

**Ecological:** THIS SPECIES WAS THOUGHT TO BE EXTINCT BY 1979 AFTER THE LAST DETECTION AT THE TIME WAS IN 1974 (ANTIOCH DUNES). THE SPECIES WAS REDISCOVERED IN 1997 IN KERN COUNTY AND IS NOW ONLY KNOWN FROM ONE SITE.

**General:** 1 MALE COLLECTED BY GRAHAM ON 24 AUG 1961.

**Owner/Manager:** UNKNOWN



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Bombus pensylvanicus***

Element Code: IIHYM24260

American bumble bee

**Listing Status:** **Federal:** None **CNDDB Element Ranks:** **Global:** G3G4  
**State:** None **State:** S2  
**Other:** IUCN\_VU-Vulnerable  
**Habitat:** **General:** ☐  
**Micro:** LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

**Occurrence No.** 91 **Map Index:** 32807 **EO Index:** 124191 **Element Last Seen:** 1957-08-09  
**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1957-08-09  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2023-06-19

**Quad Summary:** Knights Ferry (3712076)

**County Summary:** Stanislaus

**Lat/Long:** 37.81844 / -120.67240 **Accuracy:** 1 mile  
**UTM:** Zone-10 N4188223 E704873 **Elevation (ft):** 150  
**PLSS:** T01S, R12E, Sec. 29 (M) **Acres:** 0.0

**Location:** KNIGHTS FERRY.

**Detailed Location:** EXACT LOCATION UNKNOWN. MAPPED NON-SPECIFICALLY TO TOWN OF KNIGHTS FERRY.

**Ecological:**

**General:** 1 ADULT COLLECTED BY S. FULLERTON ON 18 JUL 1956. 1 ADULT COLLECTED BY S. FULLERTON ON 12 MAY 1957. 1 ADULT COLLECTED BY S. FULLERTON ON 19 JUN 1957. 3 ADULTS COLLECTED BY S. FULLERTON ON 9 AUG 1957.

**Owner/Manager:** UNKNOWN

***Calicina breva***

Element Code: ILARAU8020

Stanislaus harvestman

**Listing Status:** **Federal:** None **CNDDB Element Ranks:** **Global:** G1  
**State:** None **State:** S1  
**Other:**  
**Habitat:** **General:** KNOWN ONLY FROM THE TYPE LOCALITY, 1.6 KM SOUTH OF KNIGHT'S FERRY, STANISLAUS COUNTY.  
**Micro:** FOUND UNDER BASALT ROCKS IN GRASSLAND.

**Occurrence No.** 1 **Map Index:** 59463 **EO Index:** 59499 **Element Last Seen:** 1967-04-11  
**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1967-04-11  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2005-01-19

**Quad Summary:** Knights Ferry (3712076)

**County Summary:** Stanislaus

**Lat/Long:** 37.80414 / -120.67121 **Accuracy:** 2/5 mile  
**UTM:** Zone-10 N4186639 E705017 **Elevation (ft):** 320  
**PLSS:** T01S, R12E, Sec. 32 (M) **Acres:** 0.0

**Location:** 1 MILE SOUTH OF KNIGHTS FERRY.

**Detailed Location:**

**Ecological:** FOUND UNDER BASALT ROCKS IN A GRASSLAND.

**General:** HOLOTYPE MALE, ALLOTYPE FEMALE, AND THREE MALE AND TWO FEMALE PARATYPES.

**Owner/Manager:** UNKNOWN



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



**Anodonta californiensis**

Element Code: IMBIV04220

California floater

**Listing Status:** **Federal:** None

**CNDDDB Element Ranks:** **Global:** G3

**State:** None

**State:** S2?

**Other:** USFS\_S-Sensitive

**Habitat:** **General:** FRESHWATER LAKES AND SLOW-MOVING STREAMS AND RIVERS. TAXONOMY UNDER REVIEW BY SPECIALISTS.

**Micro:** GENERALLY IN SHALLOW WATER.

<b>Occurrence No.</b>	1	<b>Map Index:</b>	47242	<b>EO Index:</b>	47242	<b>Element Last Seen:</b>	1999-01-20
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>			1999-01-20
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>			2002-02-19

**Quad Summary:** Keystone (3712075), New Melones Dam (3712085)

**County Summary:** Calaveras, Tuolumne

<b>Lat/Long:</b>	37.89725 / -120.57003	<b>Accuracy:</b>	non-specific area
<b>UTM:</b>	Zone-10 N4197199 E713658	<b>Elevation (ft):</b>	505
<b>PLSS:</b>	T01N, R13E, Sec. 32 (M)	<b>Acres:</b>	992.1

**Location:** TULLOCK LAKE.

**Detailed Location:** FOUND AROUND THE MARGINS OF THE LAKE DURING DRAWDOWN. FOUND ON THE ROCK AND SAND/SILT BOTTOM.

**Ecological:** LAKE USED FOR RECREATION AND AGRICULTURAL AND DOMESTIC WATER SUPPLY.

**General:** EACH WINTER THE LAKE IS DRAWN DOWN FROM 509 FT TO 500 FT EXPOSING THE MUSSELS. THREE SPECIMENS TO BE DEPOSITED IN CAS.

**Owner/Manager:** PVT



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



<b><i>Monadenia mormonum buttoni</i></b>				<b>Element Code:</b> IMGASC7071	
Button's Sierra sideband					
<b>Listing Status:</b>	<b>Federal:</b>	None	<b>CNDDB Element Ranks:</b>	<b>Global:</b>	G2T1T2
	<b>State:</b>	None		<b>State:</b>	S1S2
	<b>Other:</b>	IUCN_DD-Data Deficient			
<b>Habitat:</b>	<b>General:</b>	KNOWN FROM THE CENTRAL SIERRA NEVADA COUNTIES.			
	<b>Micro:</b>	<input type="checkbox"/>			

<b>Occurrence No.</b>	1	<b>Map Index:</b>	13132	<b>EO Index:</b>	23077	<b>Element Last Seen:</b>	XXXX-XX-XX
<b>Occ. Rank:</b>	Unknown			<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	XXXX-XX-XX
<b>Occ. Type:</b>	Natural/Native occurrence			<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2005-11-29
<b>Quad Summary:</b>	Angels Camp (3812015), Salt Spring Valley (3812016)						
<b>County Summary:</b>	Calaveras						
<b>Lat/Long:</b>	38.03686 / -120.62326			<b>Accuracy:</b>	1 mile		
<b>UTM:</b>	Zone-10 N4212571 E708581			<b>Elevation (ft):</b>	1520		
<b>PLSS:</b>	T02N, R12E, Sec. 11, SW (M)			<b>Acres:</b>	0.0		
<b>Location:</b>	NASSAU VALLEY.						
<b>Detailed Location:</b>	RARE AND WITH A LIMITED DISTRIBUTION.						
<b>Ecological:</b>							
<b>General:</b>	TYPE #73630, ANSP.						
<b>Owner/Manager:</b>	UNKNOWN						

<b>Occurrence No.</b>	4	<b>Map Index:</b>	64072	<b>EO Index:</b>	64167	<b>Element Last Seen:</b>	2001-04-09
<b>Occ. Rank:</b>	Unknown			<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	2001-04-09
<b>Occ. Type:</b>	Natural/Native occurrence			<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2006-02-27
<b>Quad Summary:</b>	Knights Ferry (3712076)						
<b>County Summary:</b>	Calaveras, Tuolumne						
<b>Lat/Long:</b>	37.84068 / -120.64195			<b>Accuracy:</b>	1/10 mile		
<b>UTM:</b>	Zone-10 N4190759 E707492			<b>Elevation (ft):</b>	254		
<b>PLSS:</b>	T01S, R12E, Sec. 22, NW (M)			<b>Acres:</b>	0.0		
<b>Location:</b>	TWO MILE BAR ON THE SOUTH SIDE OF THE STANISLAUS RIVER. ABOUT 2 MILES NORTHEAST OF KNIGHTS FERRY.						
<b>Detailed Location:</b>							
<b>Ecological:</b>	HABITAT IS A RIPARIAN AREA.						
<b>General:</b>	1 ADULT & 2 OTHERS (LIFE STAGE GIVEN AS "MULTI") OBSERVED/COLLECTED ON 9 APR 2001 BY B. ROTH.						
<b>Owner/Manager:</b>	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Monadenia mormonum hirsuta***

Element Code: IMGASC7072

hirsute Sierra sideband

**Listing Status:** **Federal:** None

**CNDDDB Element Ranks:** **Global:** G2T1

**State:** None

**State:** S1

**Other:** BLM\_S-Sensitive, IUCN\_DD-Data Deficient

**Habitat:** **General:** KNOWN ONLY FROM A FEW BASALTIC OUTCROPS IN TUOLUMNE COUNTY.

**Micro:** ☐

<b>Occurrence No.</b>	1	<b>Map Index:</b>	13332	<b>EO Index:</b>	23072	<b>Element Last Seen:</b>	XXXX-XX-XX
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		XXXX-XX-XX	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2005-11-29	

**Quad Summary:** Sonora (3712084), New Melones Dam (3712085)

**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.89353 / -120.48606	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4196982 E721053	<b>Elevation (ft):</b>	1400
<b>PLSS:</b>	T01N, R14E, Sec. 31, SW (M)	<b>Acres:</b>	0.0

**Location:** MOUNTAIN PASS, NEAR STATE HWY 108 APPROX 5 MI SW OF JAMES TOWN.

**Detailed Location:**

**Ecological:** ASSOCIATED WITH THE BASALT OF TABLE MOUNTAIN; SHELLS FOUND AMONG LOOSE ROCKS AT THE BASE OF BLACK LAVA CLIFF.

**General:** CAS TYPE #2639; PARATYPES #2640-41; ANSP #142003; TYPE LOT (CAS #21513) COLLECTED BY HANNA AND BIXFORD.

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	3	<b>Map Index:</b>	59804	<b>EO Index:</b>	59840	<b>Element Last Seen:</b>	2001-02-07
<b>Occ. Rank:</b>	Good	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2001-02-07	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2006-07-07	

**Quad Summary:** Chinese Camp (3712074), Keystone (3712075), Sonora (3712084), New Melones Dam (3712085)

**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.87726 / -120.50258	<b>Accuracy:</b>	non-specific area
<b>UTM:</b>	Zone-10 N4195137 E719648	<b>Elevation (ft):</b>	1300
<b>PLSS:</b>	T01S, R13E, Sec. 02, SE (M)	<b>Acres:</b>	70.6

**Location:** TABLE MOUNTAIN, ABOVE ANDREW CREEK, ON THE EAST SIDE OF HIGHWAY 120/108, SE OF NEW MELONES RESERVOIR.

**Detailed Location:** LOCATED IN RUBBLE BY CLIFF ABOVE ANDREW CREEK; IN YOSEMITE ESTATES SUBDIVISION.

**Ecological:** HABITAT CONSISTS OF ROCK RUBBLE AT THE BASE OF TABLE MOUNTAIN.

**General:** SEVERAL ADULTS OBSERVED ON 7 FEB 2001. THREE ADULTS AND FIVE EMPTY SHELLS FROM JUVENILE TO SUBADULT, IN POOR TO FAIR CONDITION, COLLECTED BY BRIAN QUELVOG, ID BY BARRY ROTH; DATE NOT GIVEN.

**Owner/Manager:** PVT



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Scopelophila cataractae***

Element Code: NBMUS6U010

tongue-leaf copper moss

**Listing Status:** **Federal:** None

**CNDDDB Element Ranks:** **Global:** G3G4

**State:** None

**State:** S1

**Other:** Rare Plant Rank - 2B.2

**Habitat:** **General:** CISMONTANE WOODLAND.

**Micro:** MOSS ON METAMORPHIC SUBSTRATE; ON SOIL. 400 M.

<b>Occurrence No.</b>	1	<b>Map Index:</b>	45681	<b>EO Index:</b>	45681	<b>Element Last Seen:</b>	XXXX-XX-XX
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	XXXX-XX-XX		
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2010-06-08		

**Quad Summary:** Copperopolis (3712086)

**County Summary:** Calaveras

<b>Lat/Long:</b>	37.97310 / -120.63436	<b>Accuracy:</b>	1/5 mile
<b>UTM:</b>	Zone-10 N4205470 E707787	<b>Elevation (ft):</b>	1000
<b>PLSS:</b>	T01N, R12E, Sec. 03 (M)	<b>Acres:</b>	0.0

**Location:** OLD DISCOVERY MINE AT COPPEROPOLIS.

**Detailed Location:** MAPPED BY CNDDDB AT DISCOVERY MINE, JUST SOUTH OF COPPEROPOLIS.

**Ecological:** OLD COPPER DIGS.

**General:** ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS AN UNDATED STEEN COLLECTION. NEEDS FIELDWORK.

**Owner/Manager:** UNKNOWN

***Eryngium pinnatisectum***

Element Code: PDAPI0Z0P0

Tuolumne button-celery

**Listing Status:** **Federal:** None

**CNDDDB Element Ranks:** **Global:** G2

**State:** None

**State:** S2

**Other:** Rare Plant Rank - 1B.2, SB\_UCSC-UC Santa Cruz

**Habitat:** **General:** VERNAL POOLS, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST.

**Micro:** VOLCANIC SOILS; VERNAL POOLS AND MESIC SITES WITHIN OTHER NATURAL COMMUNITIES. 65-915 M.

<b>Occurrence No.</b>	6	<b>Map Index:</b>	57532	<b>EO Index:</b>	57548	<b>Element Last Seen:</b>	1983-04-06
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>	1983-04-06		
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>	2004-10-21		

**Quad Summary:** Sonora (3712084), New Melones Dam (3712085)

**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.88039 / -120.50069	<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4195489 E719805	<b>Elevation (ft):</b>	1250
<b>PLSS:</b>	T01S, R13E, Sec. 01, SW (M)	<b>Acres:</b>	2.5

**Location:** SOUTHWEST OF YOSEMITE JUNCTION; ABOUT 4 MI SOUTH OF NEW MELONES LAKE, TUOLUMNE COUNTY.

**Detailed Location:** ON TABLELAND ABOUT 1/4 MI EAST OF HIGHWAY 120/108. NW 1/4 OF SW 1/4 OF SECTION 1, AND EXTENDS INTO NE 1/4 OF SE 1/4 OF SECTION 2.

**Ecological:** VERNAL POOL. FOUND WITH RANUNCULUS MURICATUS AND DELPHINIUM SPP.

**General:** ALSO ATTRIBUTED TO THIS SITE IS ANOTHER 1983 ROGERS SOURCE THAT GIVES T-R-S OF 1S 13E SEC 1. OWNER IS RED HILLS DEVELOPMENT. THIS 1983 SOURCE ALSO INCLUDES EO 2.

**Owner/Manager:** PVT





Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	9	Map Index:	57543	EO Index:	57559	Element Last Seen:	1983-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1983-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2004-10-21		
Quad Summary:	Sonora (3712084), New Melones Dam (3712085)						
County Summary:	Tuolumne						
Lat/Long:	37.89557 / -120.49578			Accuracy:	non-specific area		
UTM:	Zone-10 N4197185 E720191			Elevation (ft):	1250		
PLSS:	T01N, R13E, Sec. 36 (M)			Acres:	650.0		
Location:	YOSEMITE JUNCTION AREA; ABOUT 3 MI SOUTH OF NEW MELONES LAKE.						
Detailed Location:	SOURCE ONLY GIVES SEC 36 OF T 1N, R 13E.						
Ecological:	SERPENTINE VERNAL POOL.						
General:	NEEDS FIELDWORK.						
Owner/Manager:	PVT?						

Occurrence No.	10	Map Index:	57551	EO Index:	57567	Element Last Seen:	2006-XX-XX
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:	2006-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2010-07-06		
Quad Summary:	Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.96931 / -120.65449			Accuracy:	specific area		
UTM:	Zone-10 N4205006 E706028			Elevation (ft):	980		
PLSS:	T01N, R12E, Sec. 04, NE (M)			Acres:	3.0		
Location:	ABOUT 1 AIR MILE SOUTHWEST OF COPPEROPOLIS IN VICINITY OF SAWMILL CREEK.						
Detailed Location:	1.1 MILES SOUTHWEST FROM JUNCTION OF HIGHWAY 4 AND ROCK CREEK ROAD ON HIGHWAY 4. FOUR COLONIES MAPPED BY CNDDB AS THREE POLYGONS ACCORDING TO A 2007 MAP FROM NORTH FORK ASSOCIATES.						
Ecological:	GRASSY SLOPE, SOUTH-FACING, WITH SMALL VERNAL DRAINAGE STREAMBED. FOUND WITH RHAMNUS, JUNCUS, RUMEX, LOTUS, BOISDUVALIA, AND CENTAURIUM.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1987 AND 2006. 1921 COLLECTIONS BY GREGORY AND TRACY FROM COPPEROPOLIS ATTRIBUTED HERE, 1958 COLLECTIONS BY CONSTANCE AND BACIGALUPI FROM "1.1 MI SW COPPEROPOLIS" ALSO ATTRIBUTED HERE.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	13	Map Index:	57561	EO Index:	57577	Element Last Seen:	1987-05-30
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:	1987-05-30		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2004-10-21		
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.02007 / -120.74519			Accuracy:	non-specific area		
UTM:	Zone-10 N4210442 E697924			Elevation (ft):	1080		
PLSS:	T02N, R11E, Sec. 15, SE (M)			Acres:	42.8		
Location:	JUST SE OF SALT SPRINGS VALLEY RESERVOIR; CALAVERAS COUNTY.						
Detailed Location:	ABOUT 1.2 MI FROM INTERSECTION OF ROCK CREEK ROAD AND ENTRANCE TO RESERVOIR. SE 1/4 OF SE 1/4 OF SEC 15.						
Ecological:	VERNAL POOL; OPEN, GRASSY, SLIGHTLY SLOPING. FOUND WITH OTHER ERYNGIUM SPP.						
General:	FEW PLANTS EXIST OUTSIDE THE VERNAL POOLS AT THIS SITE. OTHER COLLECTIONS ATTRIBUTED TO THIS SITE DESCRIBE GENERALLY "SALT SPRINGS VALLEY RESERVOIR" AND "SOUTH OF..."						
Owner/Manager:	UNKNOWN						

Occurrence No.	14	Map Index:	57562	EO Index:	57578	Element Last Seen:	2001-06-08
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	2001-06-08		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2010-07-01		
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.00560 / -120.66539			Accuracy:	80 meters		
UTM:	Zone-10 N4209009 E704970			Elevation (ft):	1100		
PLSS:	T02N, R12E, Sec. 21, SW (M)			Acres:	0.0		
Location:	2 MI NORTH OF COPPEROPOLIS ALONG ROCK CREEK ROAD; SOUTHERN SALT SPRING VALLEY.						
Detailed Location:	MAPPED ACCORDING TO UTM COORDINATES AND MAP PROVIDED IN SW1/4 OF SW1/4 SEC 21.						
Ecological:	SWALES AND VERNAL POOL MARGINS. FOUND WITH LOLIUM MULTIFLORUM AND POLYPOGON MONSPELIENSIS.						
General:	100'S OF PLANTS OBSERVED IN 2001.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	18	Map Index:	57589	EO Index:	57605	Element Last Seen:	1984-06-18
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1984-06-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-10-25
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.00741 / -120.69467			Accuracy:	non-specific area		
UTM:	Zone-10 N4209145 E702394			Elevation (ft):	1200		
PLSS:	T02N, R12E, Sec. 19, SE (M)			Acres:	40.6		
Location:	UPPER LITTLEJOHNS CREEK DRAINAGE; SOUTH END OF SALT SPRING VALLEY, ABOUT 2.7AIR MI NW OF COPPEROPOLIS.						
Detailed Location:	AMONG THE MARGINS OF AN EPHEMERAL STREAM. "2.7 AIR MILES SW OF COPPEROPOLIS" GIVEN IN 1984 COLLECTION; INTERPRETED BY CNDDB AS NW. MAPPED BY CNDDB ACCORDING TO GIVEN T-R-S: NW 1/4 OF SE 1/4 OF SEC 19.						
Ecological:	VERNALLY WET CLAY SOIL. ASSOCIATED WITH ERYNGIUM CASTRENSE, ISOETES HOWELLII, ALLOCARYA BRACTEATA, DOWNINGIA CUSPIDATA, CENTAURIUM FLORIBUNDUM, CICENDIA QUADRANGULARIS, LYTHRUM HYSSOPIFOLIA, SIDA LCEA HIRSUTA, NAVARRETIA INTERTEXTA, ETC.						
General:	PLANTS LOCALLY COMMON IN 1984. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	22	Map Index:	79266	EO Index:	80241	Element Last Seen:	1992-05-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1992-05-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-04-30
Quad Summary:	Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.96357 / -120.66657			Accuracy:	specific area		
UTM:	Zone-10 N4204342 E704983			Elevation (ft):	900		
PLSS:	T01N, R12E, Sec. 04, SW (M)			Acres:	10.0		
Location:	ALONG AN UNNAMED TRIBUTARY BETWEEN HIGHWAY 4 AND HORSESHOE LANE, ABOUT 1.5-2 AIR MILES SOUTHWEST OF COPPEROPOLIS.						
Detailed Location:	MAPPED BY CNDDB ACCORDING TO WRITTEN DESCRIPTION: 0.47 AND 0.77 MILES SOUTHWEST OF THE NORTHERN APEX OF FLOWERS RANCH PROPERTY. THE SOUTHWESTERN COLONY IS AT THE NORTHWEST EDGE OF A POND FORMED BY IMPOUNDING THE TRIBUTARY.						
Ecological:							
General:	ABOUT 5 PLANTS OBSERVED AT EACH COLONY IN 1992. A 1937 HOOVER COLLECTION FROM "TWO MILES WEST OF COPPEROPOLIS" IS ALSO ATTRIBUTED TO THIS SITE.						
Owner/Manager:	PVT						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	23	Map Index:	79268	EO Index:	80243	Element Last Seen:	2006-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2006-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-07-02
Quad Summary:	Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.96043 / -120.64742				Accuracy:	specific area	
UTM:	Zone-10 N4204035 E706675				Elevation (ft):	800	
PLSS:	T01N, R12E, Sec. 03, SW (M)				Acres:	1.0	
Location:	SAWMILL CREEK, ABOUT 0.3 AIR MILE SOUTH OF THE LAKE AND 1.75 AIR MILES SOUTHWEST OF ABBOTTS PEAK.						
Detailed Location:	MAPPED IN THE SW 1/4 OF THE SW 1/4 OF SECTION 3.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2006. NEEDS POPULATION INFO.						
Owner/Manager:	PVT						

Occurrence No.	24	Map Index:	79269	EO Index:	80244	Element Last Seen:	1992-05-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1992-05-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-07-02
Quad Summary:	Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.95302 / -120.64136				Accuracy:	specific area	
UTM:	Zone-10 N4203227 E707228				Elevation (ft):	800	
PLSS:	T01N, R12E, Sec. 10, E (M)				Acres:	12.0	
Location:	SAWMILL CREEK, ABOUT 1 AIR MILE SSE OF THE LAKE AND 1.9 AIR MILES SSW OF ABBOTTS PEAK.						
Detailed Location:	4 COLONIES MAPPED BY CNDDB AS 2 POLYGONS ACCORDING TO DESCRIPTION: ALONG SAWMILL CREEK 0.52, 0.53, 0.56, AND 0.67 MILES SSE OF THE POINT WHICH IT ENTERS FLOWERS RANCH. N COLONIES FOUND ON THE W SIDE OF THE CREEK, S COLONY ON THE E SIDE.						
Ecological:							
General:	1992: THE 0.53 MILE LOCALITY (CENTER OF THE NORTHERN POLYGON) HAD 4 PLANTS; REMAINING COLONIES HAD 1 PLANT EACH.						
Owner/Manager:	PVT						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	25	Map Index:	79270	EO Index:	80245	Element Last Seen:	2007-05-31
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2007-05-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-05-01
Quad Summary:	Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.94361 / -120.63526				Accuracy:	80 meters	
UTM:	Zone-10 N4202196 E707790				Elevation (ft):	690	
PLSS:	T01N, R12E, Sec. 15, NE (M)				Acres:	0.0	
Location:	2.6 AIR MILES SOUTH OF COPPEROPOLIS, ON EAST BANK OF SAWMILL CREEK.						
Detailed Location:	MAPPED IN THE NE 1/4 OF THE NE 1/4 OF SECTION 15.						
Ecological:	BLUE OAK/FOOTHILL PINE WOODLAND. IN SALINE SEEP. ASSOCIATED WITH HORDEUM MARINUM SSP. GUSSONEANUM, LYTHRUM HYSSOPIFOLIUM, RUMEX TRIANGULARIS, RANUNCULUS MURICATUS, TRIFOLIUM VARIEGATUM, AND ELEOCHARIS ACICULARIS.						
General:	30 PLANTS OBSERVED IN 2007.						
Owner/Manager:	PVT						

Occurrence No.	28	Map Index:	B5366	EO Index:	118328	Element Last Seen:	2013-04-16
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-04-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-04-30
Quad Summary:	Angels Camp (3812015)						
County Summary:	Calaveras						
Lat/Long:	38.06753 / -120.61442				Accuracy:	specific area	
UTM:	Zone-10 N4215995 E709270				Elevation (ft):	1215	
PLSS:	T03N, R12E, Sec. 35, SE (M)				Acres:	2.0	
Location:	APPROXIMATELY 70 FEET SOUTH OF STATE ROUTE 4 AND 1 MILE NE OF STALLION WAY, NNE OF ELKHORN STATION.						
Detailed Location:	MAPPED ACCORDING TO A 2013 SCUDIERS MAP, IN THE NE 1/4 OF THE SE 1/4 OF SECTION 35.						
Ecological:	IMMEDIATELY ADJACENT TO AND WITHIN WATERMAN CREEK. OCCURS IN OPEN PASTURE LAND HABITAT ASSOCIATED WITH HYDROPHYTIC VEGETATION.						
General:	106 PLANTS OBSERVED IN 2013.						
Owner/Manager:	PVT						

Occurrence No.	29	Map Index:	B5367	EO Index:	118329	Element Last Seen:	2013-05-14
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-05-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-04-30
Quad Summary:	Angels Camp (3812015)						
County Summary:	Calaveras						
Lat/Long:	38.05842 / -120.61875				Accuracy:	specific area	
UTM:	Zone-10 N4214974 E708916				Elevation (ft):	1440	
PLSS:	T02N, R12E, Sec. 2, NE (M)				Acres:	5.0	
Location:	APPROXIMATELY 150 FEET EAST OF STATE ROUTE 4 AND 0.38 MIILE NE OF STALLION WAY, NNE OF ELKHORN STATION.						
Detailed Location:	MAPPED ACCORDING TO A 2013 SCUDIERS MAP, IN THE NW 1/4 OF THE NE 1/4 OF SECTION 2.						
Ecological:	IMMEDIATELY ADJACENT TO AND WITHIN A WETLAND FEATURE AND A TRIBUTARY TO WATERMAN CREEK. OCCURS IN OPEN PASTURE LAND HABITAT ASSOCIATED WITH HYDROPHYTIC VEGETATION.						
General:	958 PLANTS OBSERVED IN 2013.						
Owner/Manager:	PVT						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Eryngium racemosum***

Element Code: PDAPI0Z0S0

Delta button-celery

**Listing Status:** **Federal:** None

**CNDDDB Element Ranks:** **Global:** G1

**State:** Endangered

**State:** S1

**Other:** Rare Plant Rank - 1B.1

**Habitat:** **General:** RIPARIAN SCRUB.

**Micro:** SEASONALLY INUNDATED FLOODPLAIN ON CLAY. 1-335 M.

**Occurrence No.** 34 **Map Index:** 51504 **EO Index:** 51504 **Element Last Seen:** 1971-09-22

**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1971-09-22

**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2008-09-15

**Quad Summary:** Salt Spring Valley (3812016), Jenny Lind (3812017)

**County Summary:** Calaveras

**Lat/Long:** 38.02634 / -120.76050 **Accuracy:** non-specific area

**UTM:** Zone-10 N4211104 E696564 **Elevation (ft):** 1100

**PLSS:** T02N, R11E, Sec. 16 (M) **Acres:** 814.9

**Location:** MARGIN OF SALT SPRING VALLEY RESERVOIR.

**Detailed Location:** EXACT LOCATION UNKNOWN. MAPPED IN VICINITY OF RESERVOIR MARGIN.

**Ecological:** SEASONALLY INUNDATED MARGIN OF RESERVOIR, SANDY GRAVEL FLAT.

**General:** ORIGINAL SOURCE OF INFORMATION IS 1971 COLLECTION BY SHEIKH & CONSTANCE. ID UNCERTAIN; PRESTON BELIEVES THIS MAY BE E. VASEYI VAR. VALLICOLA.

**Owner/Manager:** UNKNOWN





Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Eryngium spinosepalum***

Element Code: PDAPI0Z0Y0

spiny-sepaled button-celery

**Listing Status:** **Federal:** None

**CNDDDB Element Ranks:** **Global:** G2

**State:** None

**State:** S2

**Other:** Rare Plant Rank - 1B.2, BLM\_S-Sensitive, SB\_SBBG-Santa Barbara Botanic Garden

**Habitat:** **General:** VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND.

**Micro:** SOME SITES ON CLAY SOIL OF GRANITIC ORIGIN; VERNAL POOLS, WITHIN GRASSLAND. 15-1270 M.

**Occurrence No.** 24 **Map Index:** 40385 **EO Index:** 35392 **Element Last Seen:** 1994-XX-XX

**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1994-XX-XX

**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1998-12-14

**Quad Summary:** New Melones Dam (3712085)

**County Summary:** Calaveras, Tuolumne

**Lat/Long:** 37.89636 / -120.55026 **Accuracy:** 1 mile

**UTM:** Zone-10 N4197145 E715399 **Elevation (ft):** 900

**PLSS:** T01N, R13E, Sec. 33 (M) **Acres:** 0.0

**Location:** VICINITY OF SHOTGUN CREEK, EAST OF TULLOCH RESERVOIR AND SOUTHWEST OF TABLE MOUNTAIN. SW OF NEW MELONES RESERVOIR.

**Detailed Location:** WITHIN SITE OF PROPOSED SHOTGUN CREEK ESTATES. EXACT LOCATION NOT KNOWN, BUT MAPPED IN AREA OF SHOTGUN CREEK, BETWEEN THE TULLOCH RESERVOIR AND TABLE MOUNTAIN.

**Ecological:** CLARKIA ROSTRATA IS IN THE GENERAL AREA.

**General:** MAP AND ECOLOGICAL INFORMATION NEEDED FOR THIS SITE.

**Owner/Manager:** PVT

***Lomatium congdonii***

Element Code: PDAPI1B0B0

Congdon's lomatium

**Listing Status:** **Federal:** None

**CNDDDB Element Ranks:** **Global:** G2

**State:** None

**State:** S2

**Other:** Rare Plant Rank - 1B.2, BLM\_S-Sensitive, SB\_SBBG-Santa Barbara Botanic Garden

**Habitat:** **General:** CISMONTANE WOODLAND, CHAPARRAL.

**Micro:** SERPENTINE SOILS WITH SERPENTINE CHAPARRAL PLANTS AND GREY PINES. 335-625 M.

**Occurrence No.** 15 **Map Index:** 13310 **EO Index:** 19951 **Element Last Seen:** 1975-XX-XX

**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1975-XX-XX

**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1989-08-11

**Quad Summary:** Chinese Camp (3712074), Keystone (3712075), Sonora (3712084), New Melones Dam (3712085)

**County Summary:** Tuolumne

**Lat/Long:** 37.87131 / -120.50743 **Accuracy:** 1 mile

**UTM:** Zone-10 N4194465 E719239 **Elevation (ft):**

**PLSS:** T01S, R13E, Sec. 02, S (M) **Acres:** 0.0

**Location:** 2.5 MILES NORTH OF KEYSTONE.

**Detailed Location:**

**Ecological:**

**General:** SCATTERED IN THE AREA.

**Owner/Manager:** BLM-FOLSOM RA, PVT



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	21	Map Index:	74934	EO Index:	75937	Element Last Seen:	1955-04-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1955-04-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-04-30
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Tuolumne						
Lat/Long:	37.88820 / -120.54206				Accuracy:	4/5 mile	
UTM:	Zone-10 N4196259 E716144				Elevation (ft):	1100	
PLSS:	T01S, R13E, Sec. 04 (M)				Acres:	0.0	
Location:	2.5 MILES NW OF SONORA RD (HWY 120), BASE OF HILL BETWEEN O'BYRNES FERRY AND YOSEMITE JUNCTION.						
Detailed Location:	MAPPED BY CNDDDB AS BEST GUESS ~2.5 ROAD MILES W OF HWY 120 ALONG OBYRNES FERRY RD (COUNTY HWY E15).						
Ecological:	AMONG FOOTHILL PINES AND ARCTOSTAPHYLOS.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1955 BACIGALUPI ET AL. COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	22	Map Index:	58627	EO Index:	75938	Element Last Seen:	1998-06-06
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1998-06-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-06-15
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.01848 / -120.63706				Accuracy:	80 meters	
UTM:	Zone-10 N4210500 E707421				Elevation (ft):	1600	
PLSS:	T02N, R12E, Sec. 15, SE (M)				Acres:	0.0	
Location:	HWY 4, 2.5 ROAD MILES NORTH OF COPPEROPOLIS.						
Detailed Location:	ON GENTLE SLOPE 0.3 MI EAST OF HIGHWAY, WATERSHED OF BLACK CREEK. MAPPED ACCORDING TO A 1998 TAYLOR MAP FOR CRYPTANTHA MARIPOSAE, LOMATIUM MENTIONED AS AN ASSOCIATED SPECIES.						
Ecological:	GENTLE SLOPE, SERPENTINE RED, CLAY RICH SUBSTRATUM SET IN CEANOTHUS CHAPARRAL.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1998.						
Owner/Manager:	BLM						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Calycadenia hooveri***

Element Code: PDAST1P040

Hoover's calycadenia

**Listing Status:** **Federal:** None

**CNDDDB Element Ranks:** **Global:** G2

**State:** None

**State:** S2

**Other:** Rare Plant Rank - 1B.3

**Habitat:** **General:** CISMONTANE WOODLAND, VALLEY AND FOOTHILL GRASSLAND.

**Micro:** ON EXPOSED, ROCKY, BARREN SOIL. 60-260 M.

**Occurrence No.** 2 **Map Index:** 13134 **EO Index:** 6015 **Element Last Seen:** 2016-06-17

**Occ. Rank:** Good **Presence:** Presumed Extant **Site Last Seen:** 2016-06-17

**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2017-07-20

**Quad Summary:** Keystone (3712075)

**County Summary:** Stanislaus

**Lat/Long:** 37.76626 / -120.61477 **Accuracy:** specific area

**UTM:** Zone-10 N4182560 E710095 **Elevation (ft):** 350

**PLSS:** T02S, R12E, Sec. 14, NE (M) **Acres:** 11.6

**Location:** 5.5 MILES SOUTHEAST OF KNIGHTS FERRY ON WILLMS ROAD.

**Detailed Location:** FOUND UNDER, AND TO THE NORTH OF, THE FIRST TRANSMISSION TOWER WEST OF THE ROAD. THE POPULATION EXTENDS 100-400 METERS NORTHEAST OF THE ROAD.

**Ecological:** ANNUAL GRASSLAND ON BARE ROCKY HILLTOP OF IONE FORMATION.

**General:** TYPE LOCALITY. ABUNDANT IN (EARLY?) 1980'S. LOCALLY COMMON IN 1987. 10,000+ PLANTS OBSERVED BY STONE IN 1988. A 2016 PARK PHOTO FROM "WILLMS RD" IS ATTRIBUTED HERE. LAND USE AS DRY PASTURE CONSISTENT WITH CONTINUED EXISTENCE OF THIS PLANT.

**Owner/Manager:** PVT-HETCH HETCHY WATER & POWER

***Calycadenia spicata***

Element Code: PDAST1P090

spicate calycadenia

**Listing Status:** **Federal:** None

**CNDDDB Element Ranks:** **Global:** G3?

**State:** None

**State:** S3

**Other:** Rare Plant Rank - 1B.3

**Habitat:** **General:** VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.

**Micro:** DRY, ADOBE, CLAY, GRAVELLY, ROCKY, DISTURBED AREAS, OPENINGS, ROADSIDES. 40-1400 M.



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	9	Map Index:	C0104	EO Index:	128330	Element Last Seen:	1980-09-15
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1980-09-15		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2024-02-23		
Quad Summary:	Keystone (3712075), Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.76482 / -120.61505			Accuracy:	1 mile		
UTM:	Zone-10 N4182401 E710074			Elevation (ft):	325		
PLSS:	T02S, R12E, Sec. 14 (M)			Acres:	1987.0		
Location:	~5 MILES SOUTH OF KNIGHTS FERRY ON WILLMS ROAD (TO WARNERVILLE).						
Detailed Location:	JUST SOUTH OF CREEK CROSSING AFTER "DOUBLE" CREEK CROSSING. EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB TO ENCOMPASS DOUBLE CREEK CROSSINGS WITHIN 5 MILES OF KNIGHTS FERRY.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1980 COLLECTION BY CARR. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	10	Map Index:	C0107	EO Index:	128331	Element Last Seen:	1937-08-24
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1937-08-24		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2024-03-07		
Quad Summary:	Keystone (3712075)						
County Summary:	Tuolumne						
Lat/Long:	37.84514 / -120.54502			Accuracy:	1 mile		
UTM:	Zone-10 N4191474 E716010			Elevation (ft):	990		
PLSS:	T01S, R13E, Sec. 16 (M)			Acres:	1987.0		
Location:	30 KM E OF OAKDALE.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB 30 ROAD KM E OF OAKDALE ALONG HWY 108 ACCORDING TO A 1914 COLLECTION BY HALL. OTHER COLLECTIONS ON THIS DATE BY HALL CITE HIM NEAR KEYSTONE AND MODESTO.						
Ecological:							
General:	MAIN SOURCE OF INFORMATION IS A 1914 HALL COLLECTION. A 1936 COLLECITON BY HOOVER FROM "KEYSTONE" AND A1937 COLLECTION BY HOOVER FROM "KEYSTONE, 3.5 MILES N OF KNIGHTS FERRY ON HIGHWAY TO SONORA" ARE ATTRIBUTED HERE. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	11	Map Index:	30237	EO Index:	128335	Element Last Seen:	1934-09-16
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1934-09-16	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2024-02-26	
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.80038 / -120.72096			Accuracy:	1 mile		
UTM:	Zone-10 N4186113 E700647			Elevation (ft):	200		
PLSS:	T01S, R11E, Sec. 35 (M)			Acres:	0.0		
Location:	8 MILES EAST OF OAKDALE.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB ALONG HWY 108 APPROXIMATELY 8 ROAD MILES EAST OF OAKDALE.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION IS A 1934 COLLECTION BY HOOVER. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	13	Map Index:	C0111	EO Index:	128337	Element Last Seen:	2021-09-26
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2021-09-26	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2024-04-19	
Quad Summary:	Jenny Lind (3812017)						
County Summary:	Calaveras						
Lat/Long:	38.02605 / -120.84454			Accuracy:	specific area		
UTM:	Zone-10 N4210898 E689188			Elevation (ft):	314		
PLSS:	T02N, R10E, Sec. 14, N (M)			Acres:	11.0		
Location:	ALONG ROCK CREEK RD 0.3-0.8 AIR MI SSE OF MILTON AND 1.5-1.6 AIR MILES SW OF TOWER RANCH.						
Detailed Location:	SEVERAL POLYGONS MAPPED BY CNDDDB ACCORDING TO 2021 COORDINATES FROM O'DELL.						
Ecological:	WITHIN HEAVILY GRAZED FIELDS AND ON ROAD CUTS AND OTHER DISTURBED SOIL AREAS AROUND MILTON. LAGUNA FORMATION? (CONSOLIDATED ALLUVIAL DEPOSITS) - VERY COBBLY GRAVELLY SANDY CLAY DEPOSITS. MOST EXPOSED AT THE LANDFILL AROUND COYOTE RIDGE RD.						
General:	1,616-16,000 SCATTERED PLANTS SEEN IN 2021.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	14	Map Index:	C0113	EO Index:	128339	Element Last Seen:	2021-09-26
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2021-09-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2024-04-19
Quad Summary:	Jenny Lind (3812017)						
County Summary:	Calaveras						
Lat/Long:	38.03916 / -120.84486				Accuracy:	specific area	
UTM:	Zone-10 N4212352 E689126				Elevation (ft):	500	
PLSS:	T02N, R10E, Sec. 11, W (M)				Acres:	19.0	
Location:	ALONG HUNT RD; 0.4-0.9 AIR MI NE OF MILTON, 0.5-1.0 AIR MI SW OF TOWER RANCH.						
Detailed Location:	MANY POLYGONS MAPPED BY CNDDDB ACCORDING TO 2021 COORDINATES FROM O'DELL.						
Ecological:	WITHIN HEAVILY GRAZED FIELDS AND ON ROAD CUTS AND OTHER DISTURBED SOIL AREAS AROUND MILTON. LAGUNA FORMATION? (CONSOLIDATED ALLUVIAL DEPOSITS) - VERY COBBLY GRAVELLY SANDY CLAY DEPOSITS. MOST EXPOSED AT THE LANDFILL AROUND COYOTE RIDGE ROAD						
General:	3,599-24,700 SCATTERED PLANTS SEEN IN 2021.						
Owner/Manager:	UNKNOWN						
Occurrence No.	15	Map Index:	C0114	EO Index:	128341	Element Last Seen:	2021-09-26
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2021-09-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2024-04-19
Quad Summary:	Jenny Lind (3812017)						
County Summary:	Calaveras						
Lat/Long:	38.03984 / -120.85619				Accuracy:	specific area	
UTM:	Zone-10 N4212404 E688130				Elevation (ft):	375	
PLSS:	T02N, R10E, Sec. 10, NE (M)				Acres:	3.0	
Location:	ALONG MILTON RD/COUNTY HWY J14, 0.5-0.6 AIR MI N OF MILTON AND 1.3 AIR MILES WSW OF TOWER RANCH.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO 2020 AND 2021 COORDINATES FROM O'DELL. UPHILL ROAD BANK.						
Ecological:	WITHIN HEAVILY GRAZED FIELDS AND ON ROAD CUTS AND OTHER DISTURBED SOIL AREAS AROUND MILTON. LAGUNA FORMATION? (CONSOLIDATED ALLUVIAL DEPOSITS) - VERY COBBLY GRAVELLY SANDY CLAY DEPOSITS. VERY COBBLY SAND LOAM SOIL. ROLLING HILLS.						
General:	761-4,700 PLANTS SEEN IN 2020. 303-3,000 SCATTERED PLANTS SEEN IN 2021. A 1971 COLLECTION BY CARR FROM "HWY J14, 0.7 MI N OF MILTON" IS ATTRIBUTED HERE.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	16	Map Index:	C0115	EO Index:	128342	Element Last Seen:	2020-09-07
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2020-09-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2024-04-19
Quad Summary:	Jenny Lind (3812017)						
County Summary:	Calaveras						
Lat/Long:	38.05956 / -120.87124				Accuracy:	specific area	
UTM:	Zone-10 N4214563 E686759				Elevation (ft):	325	
PLSS:	T02N, R10E, Sec. 4, NE (M)				Acres:	2.0	
Location:	ALONG MILTON ROAD/COUNTY HWY J14, ~0.1 MI S OF JUNCTION WITH SOUTH GULCH ROAD AND 2.2 AIR MILES NNW OF MILTON.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO 2020 COORDINATES FROM O'DELL. UPHILL ROAD BANK.						
Ecological:	VERY COBBLY SANDY LOAM SOIL. SANDSTONE TABLE.						
General:	964-5,900 PLANTS SEEN IN 2020.						
Owner/Manager:	UNKNOWN						





Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



<b>Lagophylla dichotoma</b>			Element Code: PDAST5J070		
forked hare-leaf					
Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G2
	State:	None		State:	S2
	Other:	Rare Plant Rank - 1B.1			
Habitat:	General:	CISMONTANE WOODLAND, VALLEY AND FOOTHILL GRASSLAND.			
	Micro:	SOMETIMES CLAY. 190-335 M.			

Occurrence No.	15	Map Index:	32807	EO Index:	86787	Element Last Seen:	1938-05-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1938-05-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-04-18
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81844 / -120.67240				Accuracy:	1 mile	
UTM:	Zone-10 N4188223 E704873				Elevation (ft):		
PLSS:	T01S, R12E, Sec. 29 (M)				Acres:	0.0	
Location:	KNIGHTS FERRY, ABOUT 10 MILES EAST OF OAKDALE.						
Detailed Location:	MAPPED BY CNDDB AROUND KNIGHTS FERRY ACCORDING TO TWO HOOVER COLLECTIONS.						
Ecological:							
General:	OCCURRENCE KNOWN ONLY FROM 1937 AND 1938 HOOVER COLLECTIONS. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	16	Map Index:	85764	EO Index:	86794	Element Last Seen:	2000-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-04-18
Quad Summary:	New Melones Dam (3712085), Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.92885 / -120.62800				Accuracy:	1 mile	
UTM:	Zone-10 N4200574 E708470				Elevation (ft):		
PLSS:	T01N, R12E, Sec. 23 (M)				Acres:	0.0	
Location:	BLACK CREEK RANCH, SOUTH OF COPPEROPOLIS, SIERRA NEVADA FOOTHILLS.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS AROUND BLACK CREEK RANCH ACCORDING TO A 2000 HRUSA OBSERVATION.						
Ecological:	MOIST ROCKS, CATCHMENTS, SAWMILL CREEK.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2000 HRUSA OBSERVATION.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Pseudobahia bahiifolia***

Element Code: PDAST7P010

Hartweg's golden sunburst

**Listing Status:** **Federal:** Endangered

**CNDDDB Element Ranks:** **Global:** G1

**State:** Endangered

**State:** S1

**Other:** Rare Plant Rank - 1B.1, SB\_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden

**Habitat:** **General:** VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.

**Micro:** CLAY SOILS, OFTEN ACIDIC. PREDOMINANTLY ON THE NORTHERN SLOPES OF KNOLLS, BUT ALSO ALONG SHADY CREEKS OR NEAR VERNAL POOLS. 60-170 M.

<b>Occurrence No.</b>	11	<b>Map Index:</b>	30237	<b>EO Index:</b>	16910	<b>Element Last Seen:</b>	1939-04-01
<b>Occ. Rank:</b>	None	<b>Presence:</b>	Possibly Extirpated	<b>Site Last Seen:</b>			2010-04-09
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>			2011-04-15

**Quad Summary:** Knights Ferry (3712076)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.80038 / -120.72096	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4186113 E700647	<b>Elevation (ft):</b>	200
<b>PLSS:</b>	T01S, R11E, Sec. 35 (M)	<b>Acres:</b>	0.0

**Location:** HAYSTACK HILL, 8 MILES EAST OF OAKDALE.

**Detailed Location:** MAPPED ABOUT 8 MILES EAST OF OAKDALE ALONG HWY 120/108. THE LIKELY SITE FOR HOOVER'S COLLECTIONS IS NOW AN OLD SOIL QUARRY ON THE SOUTH SIDE OF THE ROAD, 7.6 MILES EAST OF OAKDALE ACCORDING TO J. STEBBINS.

**Ecological:**

**General:** THE ACCESSIBLE LANDS ON BOTH SIDES OF THE HWY, 4-12 MI E OF OAKDALE WERE SURVEYED IN 1990; NO PLANTS FOUND. SOME NATIVE GRASSLAND STILL EXISTS TO THE SE OF OAKDALE, BUT SOIL CONDITIONS DIDN'T SEEM FAVORABLE IN 1990. NONE OBSERVED IN 2010.

**Owner/Manager:** PVT

<b>Occurrence No.</b>	34	<b>Map Index:</b>	46009	<b>EO Index:</b>	63657	<b>Element Last Seen:</b>	1937-04-01
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>			2010-04-09
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>			2011-04-14

**Quad Summary:** Knights Ferry (3712076)

**County Summary:** Stanislaus, Tuolumne

<b>Lat/Long:</b>	37.81954 / -120.64529	<b>Accuracy:</b>	3/5 mile
<b>UTM:</b>	Zone-10 N4188405 E707257	<b>Elevation (ft):</b>	
<b>PLSS:</b>	T01S, R12E, Sec. 27 (M)	<b>Acres:</b>	0.0

**Location:** 1 MILE EAST OF KNIGHTS FERRY.

**Detailed Location:** LOCATION DESCRIPTION VAGUE; MAPPED AS BEST GUESS 1 AIR MILE EAST OF KNIGHTS FERRY, IN VICINITY OF HIGHWAY 108/120.

**Ecological:** AROUND MARGINS OF VOLCANIC BOULDERS.

**General:** OCCURRENCE KNOWN ONLY FROM A 1937 COLLECTION BY BELSHAW. NOT OBSERVED HERE IN 2010 AND HABITAT CONDITIONS DID NOT APPEAR SUITABLE FOR SPECIES (SUBSTATE IS DARK VOLCANIC MATERIAL, NOT AMADOR LOAM).

**Owner/Manager:** PVT



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Senecio clelandii* var. *heterophyllus***

Element Code: PDAST8H0R2

Red Hills ragwort

**Listing Status:** **Federal:** None **CNDDB Element Ranks:** **Global:** G4?T2Q  
**State:** None **State:** S2  
**Other:** Rare Plant Rank - 1B.2, BLM\_S-Sensitive, SB\_SBBG-Santa Barbara Botanic Garden  
**Habitat:** **General:** CISMONTANE WOODLAND.  
**Micro:** DRYING SERPENTINE SOILS; OFTEN ALONG STREAMS. 260-385 M.

**Occurrence No.** 12 **Map Index:** B1754 **EO Index:** 113670 **Element Last Seen:** 2015-07-09  
**Occ. Rank:** Good **Presence:** Presumed Extant **Site Last Seen:** 2015-07-09  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2018-12-24

**Quad Summary:** Keystone (3712075)

**County Summary:** Tuolumne

**Lat/Long:** 37.87082 / -120.50323 **Accuracy:** specific area  
**UTM:** Zone-10 N4194421 E719611 **Elevation (ft):** 1060  
**PLSS:** T01S, R13E, Sec. 2, SE (M) **Acres:** 1.0

**Location:** ANDREW CREEK, ABOUT 1.6 AIR MILES SOUTHWEST OF YOSEMITE JUNCTION, NORTHWEST END OF RED HILLS.

**Detailed Location:** FROM BLM GATE (APPROX 1.55 MI WEST OF YOSEMITE JUNCTION) ON HWY 120, TRAVEL 0.21 AND 0.45 MILE TO THE SOUTHEAST. 2 POLYGONS MAPPED ACCORDING TO 2015 NIELSEN COORDINATES.

**Ecological:** SERPENTINE HABITAT. SPRING INCLUSION WITH STANDING WATER IN DRY, INTERMITTENT CREEK AND TRIBUTARY. FLOWS TO WEST. <5 DEGREES. ASSOC W/ PINUS SABINIANA, CEANOTHUS CUNEATUS, SALIX SP., QUERCUS DOUGLASII, CALYCANTHUS OCCIDENTALIS, ETC.

**General:** <10 PLANTS SEEN IN NORTHERN POLYGON AND <20 PLANTS SEEN IN SOUTHERN POLYGON IN 2015.

**Owner/Manager:** BLM

***Cryptantha mariposae***

Element Code: PDBOR0A1Q0

Mariposa cryptantha

**Listing Status:** **Federal:** None **CNDDB Element Ranks:** **Global:** G2G3  
**State:** None **State:** S2S3  
**Other:** Rare Plant Rank - 1B.3, BLM\_S-Sensitive  
**Habitat:** **General:** CHAPARRAL.  
**Micro:** ON SERPENTINE OUTCROPS. 90-825 M.



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	6	Map Index:	58627	EO Index:	58663	Element Last Seen:	1998-06-06
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		1998-06-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-06-07	
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.01848 / -120.63706			Accuracy:	80 meters		
UTM:	Zone-10 N4210500 E707421			Elevation (ft):	1600		
PLSS:	T02N, R12E, Sec. 15, SE (M)			Acres:	0.0		
Location:	2.5 ROAD MILES NORTH OF COPPEROPOLIS ALONG HIGHWAY 4; WATERSHED OF BLACK CREEK.						
Detailed Location:	ON A GENTLE SLOPE 0.3 AIR MILES EAST OF HIGHWAY. MAPPED IN THE SW 1/4 OF THE SE 1/4 OF SECTION 15.						
Ecological:	SERPENTINE SOIL. RED, CLAY RICH, SUBSTRATUM SET IN CEANOTHUS CUNEATUS CHAPARRAL, WITH ABUNDANT LASTHENIA CALIFORNICA, MINUARTIA CALIFORNICA, MIMULUS GUTTATUS EARLY IN SEASON. RARE ASSOCIATES: CHLOROGALUM GRANDIFLORUM & LOMATIUM CONGDONII.						
General:	1000 PLANTS OBSERVED IN 1998.						
Owner/Manager:	BLM						

Occurrence No.	7	Map Index:	58633	EO Index:	58669	Element Last Seen:	198X-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1998-05-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-06-07	
Quad Summary:	Chinese Camp (3712074), Keystone (3712075)						
County Summary:	Tuolumne						
Lat/Long:	37.84065 / -120.44737			Accuracy:	non-specific area		
UTM:	Zone-10 N4191206 E724616			Elevation (ft):	1100		
PLSS:	T01S, R14E, Sec. 16 (M)			Acres:	10689.7		
Location:	RED HILLS.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS THE AREA OF RED HILLS. NEARLY UNMAPPABLE; MAPPED AS BEST GUESS TO INCLUDE ENTIRE SET OF HILLS.						
Ecological:							
General:	MAIN SOURCE OF INFORMATION FOR THIS SITE IS AN UNDATED COLLECTION BY CLIFTON. TAYLOR RECORDED IT AS PRESENT DURING 1980 INVENTORY WORK, BUT WAS UNABLE TO RELOCATE IN 1998; CONCLUDES THAT POPULATIONS, IF PRESENT, ARE SMALL. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	10	Map Index:	79017	EO Index:	79975	Element Last Seen:	1895-05-21
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1895-05-21	Record Last Updated:	2010-06-07
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.05437 / -120.66236			Accuracy:	3/5 mile		
UTM:	Zone-10 N4214427 E705099			Elevation (ft):			
PLSS:	T02N, R12E, Sec. 04 (M)			Acres:	0.0		
Location:	CARMEN PEAK.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB IN VICINITY OF CARMEN PEAK. TAYLOR INDICATES THAT AN OCCURRENCE ON BLM PARCEL FRA-222 MAY BE THE SAME OCCURRENCE; UNABLE TO LOCATE PARCEL.						
Ecological:							
General:	MAIN SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1895 DAVY COLLECTION FROM HARMON PEAK, NOW CALLED CARMEN PEAK. AN UNDATED TAYLOR OBSERVATION REPORTS THAT THIS IS A SMALL POPULATION.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Cryptantha spithamaea***

Element Code: PDBOR0A2M2

Red Hills cryptantha

**Listing Status:** **Federal:** None

**CNDDDB Element Ranks:** **Global:** G2

**State:** None

**State:** S2

**Other:** Rare Plant Rank - 1B.3, BLM\_S-Sensitive, SB\_UCSC-UC Santa Cruz

**Habitat:** **General:** CHAPARRAL, CISMONTANE WOODLAND.

**Micro:** SERPENTINITE, SOMETIMES STREAMBEDS, SOMETIMES OPENINGS. 270-550 M.

**Occurrence No.** 5 **Map Index:** 95439 **EO Index:** 96559 **Element Last Seen:** 1996-04-15

**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1996-04-15

**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2015-03-11

**Quad Summary:** Sonora (3712084), New Melones Dam (3712085)

**County Summary:** Tuolumne

**Lat/Long:** 37.92137 / -120.50400 **Accuracy:** 1/5 mile

**UTM:** Zone-10 N4200029 E719392 **Elevation (ft):** 900

**PLSS:** T01N, R13E, Sec. 24, SW (M) **Acres:** 0.0

**Location:** PEORIA BASIN; SLOPES AT SE EDGE OF BASIN ABOUT 1 MILE EAST OF PEORIA PASS RD.

**Detailed Location:** MAPPED AROUND COORDINATES GIVEN BY TAYLOR IN A 2014 EMAIL INTERPRETING THE LOCATION OF HIS 1996 COLLECTION; ACCURACY OF COORDINATES IS UNCERTAIN. COLLECTION LABEL INDICATES SITE IS IN THE SW 1/4 OF THE SW 1/4 OF SECTION 24.

**Ecological:** STONY RED WEATHERED SERPENTINE SOILS DOMINATED BY CEANOTHUS CUNEATUS CHAPARRAL.

**General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1996 TAYLOR COLLECTION.

**Owner/Manager:** UNKNOWN

**Occurrence No.** 6 **Map Index:** 95440 **EO Index:** 96560 **Element Last Seen:** 1999-04-29

**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1999-04-29

**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2015-03-11

**Quad Summary:** Angels Camp (3812015)

**County Summary:** Calaveras

**Lat/Long:** 38.03164 / -120.51455 **Accuracy:** 1/5 mile

**UTM:** Zone-10 N4212241 E718138 **Elevation (ft):** 1800

**PLSS:** T02N, R13E, Sec. 14, N (M) **Acres:** 0.0

**Location:** SERPENTINE HILLTOP ABOUT 1 MILE NW OF CARSON HILL ON HIGHWAY 49.

**Detailed Location:** EXACT LOCATION UNKNOWN. COORDINATES OF -120.513, 38.02996 PROVIDED BY TAYLOR IN 2014 EMAIL CONTRADICT COORDINATES OF -120 30 58 W, 38 02 00 N AND TRS OF NE 1/4 NW 1/4 SEC 14 ON ORIGINAL COLLECTION LABEL. MAPPED TO ENCOMPASS BOTH SOURCES.

**Ecological:** GRAVELLY DIRT ROAD MARGIN IN ADENOSTOMA CHAPARRAL.

**General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1999 TAYLOR COLLECTION.

**Owner/Manager:** UNKNOWN



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Downingia pusilla***

Element Code: PDCAM060C0

dwarf downingia

**Listing Status:** **Federal:** None

**CNDDDB Element Ranks:** **Global:** GU

**State:** None

**State:** S2

**Other:** Rare Plant Rank - 2B.2

**Habitat:** **General:** VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.

**Micro:** VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-490 M.

<b>Occurrence No.</b>	25	<b>Map Index:</b>	43381	<b>EO Index:</b>	43381	<b>Element Last Seen:</b>	1937-04-25
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>			1937-04-25
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>			2002-09-04

**Quad Summary:** Knights Ferry (3712076)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.77978 / -120.65363	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4183974 E706633	<b>Elevation (ft):</b>	490
<b>PLSS:</b>	T02S, R12E, Sec. 09 (M)	<b>Acres:</b>	0.0

**Location:** FLAT IN LOW HILLS, 3 MILES SOUTH OF KNIGHTS LANDING.

**Detailed Location:** EXACT LOCATION NOT KNOWN; MAPPED SOUTH OF WILDCAT CREEK AND EAST OF CASHMAN CREEK.

**Ecological:**

**General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1937 COLLECTION BY JEPSON. NEEDS FIELDWORK.

**Owner/Manager:** UNKNOWN





Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



<b><i>Lupinus spectabilis</i></b>				<b>Element Code:</b> PDFAB2B3P0	
shaggyhair lupine					
<b>Listing Status:</b>	<b>Federal:</b>	None	<b>CNDDDB Element Ranks:</b>		<b>Global:</b> G2
	<b>State:</b>	None			<b>State:</b> S2
	<b>Other:</b>	Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden			
<b>Habitat:</b>	<b>General:</b>	CHAPARRAL, CISMONTANE WOODLAND.			
	<b>Micro:</b>	OPEN ROCKY SLOPES OF SERPENTINE. MOSTLY ON SERPENTINE CHAPARRAL SURROUNDED BY GREY PINE WOODLAND. 300-825 M.			
<b>Occurrence No.</b>	28	<b>Map Index:</b>	78660	<b>EO Index:</b>	79609
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant		<b>Element Last Seen:</b> 1998-04-15
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown		<b>Site Last Seen:</b> 1998-04-15
				<b>Record Last Updated:</b>	2010-04-26
<b>Quad Summary:</b>	Sonora (3712084), New Melones Dam (3712085)				
<b>County Summary:</b>	Tuolumne				
<b>Lat/Long:</b>	37.92243 / -120.50082			<b>Accuracy:</b>	1/10 mile
<b>UTM:</b>	Zone-10 N4200154 E719669			<b>Elevation (ft):</b>	1000
<b>PLSS:</b>	T01N, R13E, Sec. 24, SW (M)			<b>Acres:</b>	0.0
<b>Location:</b>	SLOPES AT SOUTHEAST EDGE OF PEORIA BASIN, ABOUT 1.9 AIR MILES NORTH OF PEORIA PASS.				
<b>Detailed Location:</b>	MAPPED ACCORDING TO COORDINATES PROVIDED BY TAYLOR; 120D 30' 01"W, 37D 55' 21"N. DATUM UNKNOWN, MAPPED BETWEEN NAD27 AND NAD83. T-R-S ALSO GIVEN AS SW1/4 SW 1/4 SEC 24, BUT COORDINATES PUT THIS SITE IN THE N 1/2 SW 1/4 OF SEC 24.				
<b>Ecological:</b>	STONY RED WEATHERED SERPENTINE SOILS DOMINATED BY CEANOTHUS CUNEATUS CHAPARRAL.				
<b>General:</b>	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1998; NEEDS POPULATION DATA.				
<b>Owner/Manager:</b>	UNKNOWN				



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



<b>Monardella venosa</b>			<b>Element Code:</b> PDLAM18082		
veiny monardella					
<b>Listing Status:</b>	<b>Federal:</b>	None	<b>CNDDB Element Ranks:</b>	<b>Global:</b>	G1
	<b>State:</b>	None		<b>State:</b>	S1
	<b>Other:</b>	Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_UCBG-UC Botanical Garden at Berkeley			
<b>Habitat:</b>	<b>General:</b>	VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.			
	<b>Micro:</b>	IN HEAVY CLAY; MOSTLY WITH GRASSLAND ASSOCIATES. REDISCOVERED IN 1992. 30-405 M.			
<b>Occurrence No.</b>	4	<b>Map Index:</b>	13283	<b>EO Index:</b>	13536
<b>Occ. Rank:</b>	Excellent	<b>Presence:</b>	Presumed Extant	<b>Element Last Seen:</b>	1998-07-03
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Site Last Seen:</b>	1998-07-03
				<b>Record Last Updated:</b>	2011-05-03
<b>Quad Summary:</b>	New Melones Dam (3712085)				
<b>County Summary:</b>	Tuolumne				
<b>Lat/Long:</b>	37.92041 / -120.51082			<b>Accuracy:</b>	80 meters
<b>UTM:</b>	Zone-10 N4199906 E718796			<b>Elevation (ft):</b>	860
<b>PLSS:</b>	T01N, R13E, Sec. 23, SE (M)			<b>Acres:</b>	0.0
<b>Location:</b>	PEORIA BASIN (ABOUT 2 AIR MI S OF NEW MELONES DAM).				
<b>Detailed Location:</b>	REACHED VIA NEARBY NEW PEORIA FLAT ROAD.				
<b>Ecological:</b>	IN GRAY BLACK VERTISOL ON VERNALLY WET FLAT IN LARGE PATCH OF PERIDERIDIA KELLOGGII, & ZIGADENUS FREMONTII. GRASSLAND W/HORDEUM CA., ELYMUS GLAUCUS, & LOLIUM PERENNE. FRITILLARIA AGRESTIS & TRICHOSTEMA RUBISEPALUM FOUND NEARBY.				
<b>General:</b>	FIRST COLLECTED HERE BY J. RUTTER IN 1935 FROM "COPPERPOLIS (=COPPEROPOLIS), 1 3/4 MI NNW OF PEORIA PASS." SITE VISITED BY JOKERST IN 1988, BUT NO PLANTS FOUND. 2500 SEEN BY TAYLOR AT MAPPED LOCATION IN 1998.				
<b>Owner/Manager:</b>	PVT				



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



**Clarkia rostrata**

Element Code: PDONA050Y0

beaked clarkia

**Listing Status:** **Federal:** None **CNDDB Element Ranks:** **Global:** G2G3  
**State:** None **State:** S2S3  
**Other:** Rare Plant Rank - 1B.3, BLM\_S-Sensitive, SB\_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB\_UCBG-UC Botanical Garden at Berkeley  
**Habitat:** **General:** CISMONTANE WOODLAND, VALLEY AND FOOTHILL GRASSLAND.  
**Micro:** NORTH-FACING SLOPES; SOMETIMES ON SANDSTONE. 60-915 M.

**Occurrence No.** 8 **Map Index:** 32807 **EO Index:** 50485 **Element Last Seen:** 1938-05-09  
**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1938-05-09  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2010-07-07

**Quad Summary:** Knights Ferry (3712076)

**County Summary:** Stanislaus

**Lat/Long:** 37.81844 / -120.67240 **Accuracy:** 1 mile  
**UTM:** Zone-10 N4188223 E704873 **Elevation (ft):**  
**PLSS:** T01S, R12E, Sec. 29 (M) **Acres:** 0.0

**Location:** KNIGHTS FERRY.

**Detailed Location:** EXACT LOCATION UNKNOWN. MAPPED BY CNDDB IN VICINITY OF KNIGHTS FERRY.

**Ecological:**

**General:** ONLY SOURCES OF INFORMATION FOR THIS SITE ARE 1936 AND 1938 COLLECTIONS BY HOOVER, NEEDS FIELDWORK. LAND IN IMMEDIATE VICINITY OF TOWN BEING CONSIDERED FOR HISTORICAL PRESERVE (ALLEN, 1974).

**Owner/Manager:** UNKNOWN

**Occurrence No.** 25 **Map Index:** 40385 **EO Index:** 50470 **Element Last Seen:** 1994-XX-XX  
**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1994-XX-XX  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2003-03-06

**Quad Summary:** New Melones Dam (3712085)

**County Summary:** Calaveras, Tuolumne

**Lat/Long:** 37.89636 / -120.55026 **Accuracy:** 1 mile  
**UTM:** Zone-10 N4197145 E715399 **Elevation (ft):** 900  
**PLSS:** T01N, R13E, Sec. 33 (M) **Acres:** 0.0

**Location:** VICINITY OF SHOTGUN CREEK, EAST OF TULLOCH RESERVOIR AND SOUTHWEST OF TABLE MOUNTAIN. SW OF NEW MELONES RESERVOIR.

**Detailed Location:** WITHIN SITE OF PROPOSED SHOTGUN CREEK ESTATES. EXACT LOCATION NOT KNOWN, BUT MAPPED IN AREA OF SHOTGUN CREEK, BETWEEN THE TULLOCH RESERVOIR AND TABLE MOUNTAIN.

**Ecological:** ERYNGIUM SPINOSEPALUM IS IN THE GENERAL AREA.

**General:** MAP AND ECOLOGICAL INFORMATION NEEDED FOR THIS SITE.

**Owner/Manager:** PVT



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Erythranthe marmorata***

Element Code: PDPHR01130

Stanislaus monkeyflower

**Listing Status:** **Federal:** None

**CNDDB Element Ranks:** **Global:** G2?

**State:** None

**State:** S2?

**Other:** Rare Plant Rank - 1B.1

**Habitat:** **General:** CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST.

**Micro:** 300-1435 M.

<b>Occurrence No.</b>	3	<b>Map Index:</b>	A2149	<b>EO Index:</b>	103742	<b>Element Last Seen:</b>	1923-04-01
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		1923-04-01	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2016-10-10	

**Quad Summary:** Keystone (3712075)

**County Summary:** Tuolumne

<b>Lat/Long:</b>	37.84234 / -120.52508	<b>Accuracy:</b>	non-specific area
<b>UTM:</b>	Zone-10 N4191209 E717773	<b>Elevation (ft):</b>	1000
<b>PLSS:</b>	T01S, R13E, Sec. 15, S (M)	<b>Acres:</b>	75.0

**Location:** 1 MILE WEST OF KEYSTONE.

**Detailed Location:** EXACT LOCATION UNKNOWN. OTHER ABRAMS COLLECTIONS FROM THE SAME DAY FOR DIFFERENT SPECIES SAY "1 MILE W OF KEYSTONE NEAR JUNCTION OF COPPEROPOLIS RD." MAPPED AS BEST GUESS BY CNDDB ALONG HWY 120 ABOUT 1 AIR MILE NW OF KEYSTONE.

**Ecological:** VOLCANIC TABLE LAND.

**General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1923 ABRAMS COLLECTION. NEEDS FIELDWORK.

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b>	4	<b>Map Index:</b>	32807	<b>EO Index:</b>	103743	<b>Element Last Seen:</b>	1895-04-09
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		1895-04-09	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2016-10-14	

**Quad Summary:** Knights Ferry (3712076)

**County Summary:** Stanislaus

<b>Lat/Long:</b>	37.81844 / -120.67240	<b>Accuracy:</b>	1 mile
<b>UTM:</b>	Zone-10 N4188223 E704873	<b>Elevation (ft):</b>	
<b>PLSS:</b>	T01S, R12E, Sec. 29 (M)	<b>Acres:</b>	0.0

**Location:** KNIGHTS FERRY.

**Detailed Location:** EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB AROUND KNIGHTS FERRY, BASED ON AN 1895 BANCROFT COLLECTION.

**Ecological:** MOIST ROCKS.

**General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1895 BANCROFT COLLECTION. NEEDS FIELDWORK.

**Owner/Manager:** UNKNOWN

***Navarretia paradoxiclara***

Element Code: PDPLM0C150

Patterson's navarretia

**Listing Status:** **Federal:** None

**CNDDB Element Ranks:** **Global:** G2

**State:** None

**State:** S2

**Other:** Rare Plant Rank - 1B.3, BLM\_S-Sensitive

**Habitat:** **General:** MEADOWS AND SEEPS.

**Micro:** SERPENTINITE, OPENINGS, VERNALLY MESIC, OFTEN DRAINAGES. 150-435 M.



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	3	Map Index:	A2172	EO Index:	103769	Element Last Seen:	2009-05-28
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2009-05-28		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2016-10-12		
Quad Summary:	Keystone (3712075)						
County Summary:	Tuolumne						
Lat/Long:	37.84378 / -120.50669			Accuracy:	80 meters		
UTM:	Zone-10 N4191412 E719387			Elevation (ft):	1065		
PLSS:	T01S, R13E, Sec. 14, SE (M)			Acres:	5.0		
Location:	JUST NORTH OF JUNCTION OF HWY 59 AND HWY 108/120, ABOUT 3.9 MILES SW OF YOSEMITE JUNCTION.						
Detailed Location:	BETWEEN HIGHWAY AND RAILROAD TRACK. MAPPED BY CNDDB BASED ON 2009 JOHNSON COORDINATES, IN THE SW 1/4 OF THE SE 1/4 OF SECTION 14.						
Ecological:	AT EDGES OF LONG SEEP AREA WITH SERPENTINE SOILS AMONG GRASSES.						
General:	SITE BASED ON A 2009 JOHNSON COLLECTION. 1953 CANTELOW COLLECTION FROM "3.6 MILES WEST OF YOSEMITE JUNCTION, HIGHWAY 120" ATTRIBUTED HERE.						
Owner/Manager:	PVT						

Occurrence No.	4	Map Index:	A2176	EO Index:	103773	Element Last Seen:	1958-06-06
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1958-06-06		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2016-10-12		
Quad Summary:	Angels Camp (3812015), Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.04935 / -120.63122			Accuracy:	non-specific area		
UTM:	Zone-10 N4213939 E707847			Elevation (ft):	1420		
PLSS:	T02N, R12E, Sec. 2, SW (M)			Acres:	45.0		
Location:	JUST WEST OF ELKHORN STATION, ALONG HWY 4, 5.8 MILES WEST OF ALTAVILLE.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB ALONG HWY 4 FOR ABOUT 0.5 MILE WEST OF ELKHORN STATION, BASED ON A 1958 BACIGALUPI COLLECTION.						
Ecological:	SWALE IN BLUE OAK BELT.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1958 BACIGALUPI COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	5	Map Index:	57589	EO Index:	103781	Element Last Seen:	1984-06-18
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1984-06-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-10-12
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.00741 / -120.69467				Accuracy:	non-specific area	
UTM:	Zone-10 N4209145 E702394				Elevation (ft):	1200	
PLSS:	T02N, R12E, Sec. 19, SE (M)				Acres:	40.6	
Location:	UPPER LITTLEJOHNS CREEK DRAINAGE ABOUT 2.7 AIR MILES NW OF COPPEROPOLIS.						
Detailed Location:	EXACT LOCATION UNKNOWN. LOCATION DESCRIPTION OF 1984 COLLECTION GIVEN AS "2.7 AIR MILES SW OF COPPEROPOLIS"; PRESUMABLY MEANT NW. MAPPED BY CNDDB IN THE NW 1/4 OF THE SE 1/4 OF SECTION 19 BASED ON TRS GIVEN BY STONE.						
Ecological:	VERNALLY WET CLAY SOIL ALONG MARGINS OF AN EPHEMERAL STREAM.						
General:	SITE BASED ON TWO 1984 STONE COLLECTIONS; DESCRIBED BY STONE AS "INFREQUENT". NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	6	Map Index:	A2183	EO Index:	103782	Element Last Seen:	1921-05-19
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1921-05-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-10-12
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.03625 / -120.71513				Accuracy:	1 mile	
UTM:	Zone-10 N4212301 E700519				Elevation (ft):	1000	
PLSS:	T02N, R11E, Sec. 12 (M)				Acres:	1987.0	
Location:	SALT SPRINGS VALLEY.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AROUND CENTRAL PORTION OF SALT SPRINGS VALLEY EAST OF RESERVOIR BY CNDDB, BASED ON A 1921 TRACY COLLECTION.						
Ecological:	FOOTHILL REGION, EDGES OF WET GROUND.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1921 TRACY COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Diplacus pulchellus***

Element Code: PDSCR1B280

yellow-lip pansy monkeyflower

**Listing Status:** **Federal:** None **CNDDDB Element Ranks:** **Global:** G2  
**State:** None **State:** S2  
**Other:** Rare Plant Rank - 1B.2, BLM\_S-Sensitive, SB\_SBBG-Santa Barbara Botanic Garden, USFS\_S-Sensitive  
**Habitat:** **General:** LOWER MONTANE CONIFEROUS FOREST, MEADOWS AND SEEPS.  
**Micro:** VERNALLY WET SITES. SOILS CAN BE CLAY, VOLCANIC, OR GRANITIC. 670-1950 M.

**Occurrence No.** 44 **Map Index:** 75178 **EO Index:** 76175 **Element Last Seen:** XXXX-XX-XX  
**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** XXXX-XX-XX  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2009-05-21

**Quad Summary:** Angels Camp (3812015)  
**County Summary:** Calaveras

**Lat/Long:** 38.10835 / -120.51432 **Accuracy:** non-specific area  
**UTM:** Zone-10 N4220755 E717930 **Elevation (ft):**  
**PLSS:** T03N, R13E, Sec. 14, S (M) **Acres:** 67.0

**Location:** 4 MILES WEST OF MURPHYS.  
**Detailed Location:** EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS BEST GUESS ~4 MILES WEST OF MURPHYS ALONG MURPHYS GRADE ROAD WHICH IS THE MAIN ROAD WEST OF MURPHYS.  
**Ecological:**  
**General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS AN UNDATED STANFORD COLLECTION MENTIONED IN A SYSTEMATIC BOTANY MONOGRAPHS ARTICLE ON MIMULUS. NEEDS FIELDWORK.  
**Owner/Manager:** UNKNOWN





Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Verbena californica***

Element Code: PDVER0N050

Red Hills vervain

**Listing Status:** **Federal:** Threatened **CNDDB Element Ranks:** **Global:** G2  
**State:** Threatened **State:** S2  
**Other:** Rare Plant Rank - 1B.1, SB\_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB\_UCBG-UC Botanical Garden at Berkeley  
**Habitat:** **General:** CISMONTANE WOODLAND, VALLEY AND FOOTHILL GRASSLAND.  
**Micro:** MESIC SITES ON SERPENTINE; USUALLY SERPENTINE SEEPS OR CREEKS. 255-350 M.

**Occurrence No.** 12 **Map Index:** 21577 **EO Index:** 9007 **Element Last Seen:** 2015-07-09  
**Occ. Rank:** Excellent **Presence:** Presumed Extant **Site Last Seen:** 2015-07-09  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2019-04-03

**Quad Summary:** Chinese Camp (3712074), Keystone (3712075)

**County Summary:** Tuolumne

**Lat/Long:** 37.86956 / -120.50164 **Accuracy:** specific area  
**UTM:** Zone-10 N4194284 E719755 **Elevation (ft):** 1100  
**PLSS:** T01S, R13E, Sec. 11, NE (M) **Acres:** 32.0

**Location:** ANDREW CREEK, EAST OF HWY 108/120, APPROXIMATELY 1.6 AIR MILES SSW OF YOSEMITE JUNCTION.

**Detailed Location:** 10 POLYGONS MAPPED ACCORDING TO A 1998 MAP BY KNOX AND 2015 NIELSEN COORDINATES. WITHIN THE SE 1/4 OF SECTION 2, THE NE 1/4 OF SECTION 11, AND THE NW 1/4 OF SECTION 12.

**Ecological:** ON SHALLOW, OPEN/ROCKY SOIL IN WET DRAINAGE ON SERPENTINE WITHIN RIPARIAN AND GRASSLAND COMMUNITIES. ASSOC W/ MIMULUS GUTTATUS, RHAMNUS, EPILOBIUM GLANDULOSUM, SENECIO CLEVELANDII, HETEROPHYLLUS, CAREX SPP., JUNCUS SPP., HELIANTHUS, ETC.

**General:** POP NUMBERS FOR PORTIONS OF SITE: FEWER THAN 50 PLANTS IN 1991, SEVERAL THOUSAND REPORTED IN 1992, AT LEAST 530 PLANTS IN 1996, FEWER IN 1997, 1000+ PLANTS IN 2011, ~60 PLANTS IN 2015. 1938 & 1939 COLLECTIONS BY HOOVER ATTRIBUTED TO SITE.

**Owner/Manager:** PVT, BLM



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



**Allium tuolumnense**

Element Code: PMLIL022W0

Rawhide Hill onion

**Listing Status:** **Federal:** None **CNDDB Element Ranks:** **Global:** G2  
**State:** None **State:** S2  
**Other:** Rare Plant Rank - 1B.2, BLM\_S-Sensitive  
**Habitat:** **General:** CISMONTANE WOODLAND.  
**Micro:** RESTRICTED TO SERPENTINE SOIL, USUALLY IN GREY PINE CHAPARRAL. STEEP, ROCKY, SOUTH-FACING SLOPES OR SMALL DRAINAGES. 210-505 M.

**Occurrence No.** 29 **Map Index:** 79371 **EO Index:** 80355 **Element Last Seen:** 2005-04-21  
**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 2005-04-21  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2010-07-09

**Quad Summary:** New Melones Dam (3712085)

**County Summary:** Tuolumne

**Lat/Long:** 37.92331 / -120.51916 **Accuracy:** 4/5 mile  
**UTM:** Zone-10 N4200209 E718054 **Elevation (ft):**  
**PLSS:** T01N, R13E, Sec. 23 (M) **Acres:** 0.0

**Location:** PEORIA BASIN.

**Detailed Location:** EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB IN VICINITY OF PEORIA BASIN.

**Ecological:**

**General:** ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2005 TAYLOR PHOTO FROM CALPHOTOS. NEEDS LOCATION INFORMATION.

**Owner/Manager:** UNKNOWN

**Occurrence No.** 32 **Map Index:** B2836 **EO Index:** 114769 **Element Last Seen:** 2015-07-09  
**Occ. Rank:** Good **Presence:** Presumed Extant **Site Last Seen:** 2015-07-09  
**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2019-04-05

**Quad Summary:** Keystone (3712075)

**County Summary:** Tuolumne

**Lat/Long:** 37.87336 / -120.50546 **Accuracy:** specific area  
**UTM:** Zone-10 N4194698 E719407 **Elevation (ft):** 1035  
**PLSS:** T01S, R13E, Sec. 2, SE (M) **Acres:** 1.0

**Location:** ALONG ANDREW CREEK, APPROXIMATELY 0.15 MILE EAST OF WHERE IT CROSSES CA-120/CA-108, RED HILLS.

**Detailed Location:** MAPPED ACCORDING TO 2015 NIELSEN COORDINATES, IN THE SW 1/4 OF THE SE 1/4 OF SECTION 32.

**Ecological:** SERPENTINE HABITAT. SPRING INCLUSION WITH STANDING WATER IN DRY, INTERMITTENT CREEK (ANDREW CREEK). FLOWS TO WEST. <5 DEGREES. PINUS SABINIANA AND CEANOTHUS CUNEATUS. ALSO SALIX, QUERCUS DOUGLASII, CALYCANTHUS OCCIDENTALIS, RHAMNUS, ETC.

**General:** HUNDREDS OF PLANTS OBSERVED IN 2015. ALLIUM TUOLUMNENSE IS VERY COMMON THROUGHOUT ALL THE DRY CREEK BEDS.

**Owner/Manager:** BLM

**Brodiaea pallida**

Element Code: PMLIL0C0C0

Chinese Camp brodiaea

**Listing Status:** **Federal:** Threatened **CNDDB Element Ranks:** **Global:** G1  
**State:** Endangered **State:** S1  
**Other:** Rare Plant Rank - 1B.1, IUCN\_EN-Endangered  
**Habitat:** **General:** VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



<b>Micro:</b> OFTEN IN ROCKY, INTERMITTENT STREAMBEDS. AT LEAST SOMETIMES ON SERPENTINE. 165-385 M.					
<b>Occurrence No.</b>	2	<b>Map Index:</b>	43988	<b>EO Index:</b>	43988
<b>Occ. Rank:</b>	Excellent	<b>Presence:</b>	Presumed Extant	<b>Element Last Seen:</b>	2008-06-05
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Site Last Seen:</b>	2008-06-05
				<b>Record Last Updated:</b>	2016-04-22
<b>Quad Summary:</b>	New Melones Dam (3712085), Copperopolis (3712086)				
<b>County Summary:</b>	Calaveras				
<b>Lat/Long:</b>	37.93151 / -120.62206			<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4200883 E708985			<b>Elevation (ft):</b>	550
<b>PLSS:</b>	T01N, R12E, Sec. 14, S (M)			<b>Acres:</b>	175.0
<b>Location:</b>	SAWMILL & BLACK CREEKS, FROM JUST N OF THE WEST ARM OF TULLOCH RESERVOIR TO 0.5 MI UP SAWMILL CR, W OF NEW MELONES DAM.				
<b>Detailed Location:</b>	ALONG BLACK CREEK FROM ABOUT 0.12 MILE SOUTH OF COPPER COVE DRIVE CROSSING (NOT MARKED ON TOPO MAP) TO BRIDGE IMMEDIATELY ABOVE TULLOCK RESERVOIR AND ALONG SAWMILL CREEK FROM CONFLUENCE WITH BLACK CREEK UPSTREAM (NORTH) ABOUT 0.5 MILE.				
<b>Ecological:</b>	IN SOIL CATCHMENTS WITHIN AN OPEN, SEASONAL CREEKBED WITH HARD MEDISEDIMENTARY ROCK BASE. SOUTH SLOPES WITH BLUE OAK WOODLAND, NORTH SLOPES WITH MIXED FOOTHILL WOODLAND. ASSOC W/ POLYPOGON MONSPELIENSIS, JUNCUS BALTICUS, ETC.				
<b>General:</b>	5000+ PLANTS OBSERVED IN 2000, MANY OF WHICH WERE CLONES. ~570 INDIVIDUAL PLANTS COUNTED AT SE END OF OCCURRENCE IN 2006. 15,313 FLOWERING STALKS COUNTED IN 2008. PORTION OF CREEK MAY HAVE BEEN DREDGED (2000).				
<b>Owner/Manager:</b>	PVT				
<b>Occurrence No.</b>	3	<b>Map Index:</b>	79098	<b>EO Index:</b>	80064
<b>Occ. Rank:</b>	Fair	<b>Presence:</b>	Presumed Extant	<b>Element Last Seen:</b>	2005-07-13
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Site Last Seen:</b>	2005-07-13
				<b>Record Last Updated:</b>	2016-02-24
<b>Quad Summary:</b>	Copperopolis (3712086)				
<b>County Summary:</b>	Calaveras				
<b>Lat/Long:</b>	37.89751 / -120.63038			<b>Accuracy:</b>	specific area
<b>UTM:</b>	Zone-10 N4197092 E708349			<b>Elevation (ft):</b>	675
<b>PLSS:</b>	T01N, R12E, Sec. 35, NW (M)			<b>Acres:</b>	1.0
<b>Location:</b>	LITTLE JOHNS CREEK, ABOUT 1.3 AIR MILES WNW OF ALTO MINE.				
<b>Detailed Location:</b>	LOCATED WITHIN THE ORDINARY HIGH WATER MARK OF THE CREEK, VISIBLE DURING LOW FLOW PERIODS AND SUMMER MONTHS. UNSECTIONED PORTION OF THE RANCHERIA DEL RIO ESTANISLAO LAND GRANT.				
<b>Ecological:</b>	GROWING IN ROCKY SUBSTRATE. ASSOCIATED WITH ELEOCHARIS MACROSTACHYA, PASPALUM DILATATUM, POLYPOGON MONSPELIENSIS, CYNODON DACTYLON, TRIFOLIUM VARIEGATUM, AND LEONTODON TARAXACOIDES.				
<b>General:</b>	~11 PLANTS OBSERVED IN 2005. ID CONFIRMED BY BARRETT ANDERSON AND ROB PRESTON, 8/2010.				
<b>Owner/Manager:</b>	PVT				



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	4	Map Index:	79099	EO Index:	80065	Element Last Seen:	2005-07-13
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	2005-07-13		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2010-06-16		
Quad Summary:	Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.89358 / -120.62726			Accuracy:	specific area		
UTM:	Zone-10 N4196662 E708635			Elevation (ft):	650		
PLSS:	T01N, R12E, Sec. 35, SW (M)			Acres:	1.0		
Location:	LITTLE JOHNS CREEK, ABOUT 1.1 AIR MILES WEST OF ALTO MINE.						
Detailed Location:	LOCATED WITHIN THE ORDINARY HIGH WATER MARK OF THE CREEK, VISIBLE DURING LOW FLOW PERIODS AND SUMMER MONTHS. UNSECTIONED PORTION OF THE RANCHERIA DEL RIO ESTANISLAO LAND GRANT.						
Ecological:	GROWING IN ROCKY SUBSTRATE. ASSOCIATED W/ ELEOCHARIS MACROSTACHYA, PASPALUM DILATATUM, HORDEUM MARINUM, POLYPOGON MONSPELIENSIS, CYNODON DACTYLON, TRIFOLIUM VARIEGATUM, LEONTODON TARAXACOIDES, NAVARRETIA INTERTEXTA, LOLIUM MULTIFLORUM, ETC.						
General:	~69 PLANTS OBSERVED IN 2005. ID CONFIRMED BY BARRETT ANDERSON AND ROB PRESTON, 8/2010.						
Owner/Manager:	PVT						

Occurrence No.	5	Map Index:	79100	EO Index:	80066	Element Last Seen:	2005-07-13
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:	2005-07-13		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2010-06-16		
Quad Summary:	Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.87648 / -120.63730			Accuracy:	specific area		
UTM:	Zone-10 N4194741 E707800			Elevation (ft):	560		
PLSS:	T01S, R12E, Sec. 03, SE (M)			Acres:	2.0		
Location:	LITTLE JOHNS CREEK, ABOUT 1.75 AIR MILES WEST OF TULLOCH DAM.						
Detailed Location:	LOCATED WITHIN THE ORDINARY HIGH WATER MARK OF THE CREEK, VISIBLE DURING LOW FLOW PERIODS AND SUMMER MONTHS. UNSECTIONED PORTION OF THE RANCHERIA DEL RIO ESTANISLAO LAND GRANT.						
Ecological:	GROWING IN ROCKY SUBSTRATE. ASSOCIATED W/ ELEOCHARIS MACROSTACHYA, PASPALUM DILATATUM, HORDEUM MARINUM, POLYPOGON MONSPELIENSIS, AND RANUNCULUS BONARIENSIS.						
General:	~32 PLANTS OBSERVED IN 2005. ID CONFIRMED BY BARRETT ANDERSON AND ROB PRESTON, 8/2010.						
Owner/Manager:	PVT						

<b><i>Chlorogalum grandiflorum</i></b>				Element Code: PMLILOG020			
Red Hills soaproot							
Listing Status:	Federal:	None			CNDDB Element Ranks:	Global:	G3
	State:	None				State:	S3
	Other:	Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden					
Habitat:	General:	CISMONTANE WOODLAND, CHAPARRAL, LOWER MONTANE CONIFEROUS FOREST.					
	Micro:	OCCURS FREQUENTLY ON SERPENTINE OR GABBRO, BUT ALSO ON NON-ULTRAMAFIC SUBSTRATES; OFTEN ON "HISTORICALLY DISTURBED" SITES. 265-1695 M.					



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	16	Map Index:	13299	EO Index:	8420	Element Last Seen:	1980-04-28
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1980-04-28	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1992-09-16	
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Tuolumne						
Lat/Long:	37.91234 / -120.51034			Accuracy:	non-specific area		
UTM:	Zone-10 N4199011 E718862			Elevation (ft):	1025		
PLSS:	T01N, R13E, Sec. 26, NE (M)			Acres:	114.9		
Location:	PEORIA BASIN ALONG ROAD TO NEW MELONES DAM AT ROAD MARKER A83+70.						
Detailed Location:							
Ecological:	LOW ROCKY KNOB IN DELPIEDRA (SERPENTINE) SOIL WITH SCATTERED CEANOTHUS CUNEATUS AND SPARSE HERBACEOUS COVER.						
General:	AREA FROM MOUNTAIN TOP TO STANISLAUS RIVER IS ALSO SERPENTINE AND SHOULD BE SEARCHED FOR PLANTS ACCORDING TO POWELL.						
Owner/Manager:	PVT						

Occurrence No.	78	Map Index:	79071	EO Index:	80032	Element Last Seen:	2005-05-25
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2005-05-25	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-06-15	
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Calaveras						
Lat/Long:	37.95052 / -120.56176			Accuracy:	2/5 mile		
UTM:	Zone-10 N4203130 E714229			Elevation (ft):	1079		
PLSS:	T01N, R13E, Sec. 09 (M)			Acres:	0.0		
Location:	NEW MELONES RESERVOIR, 100 METERS FROM FRENCH CREEK AND 100 METERS FROM THE ROAD.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB IN VICINITY OF FRENCH CREEK AND ASSOCIATED UNNAMED ROADS AROUND GIVEN ELEVATION OF 1079 FT.						
Ecological:	THE PLOT IS DOMINATED BY A HIGH PERCENTAGE OF COBBLE AND THIN SOILS AND A DISTINCT COMMUNITY OF CHLOROGALUM AND HOLOCARPHA.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2005. NEEDS LOCATION INFORMATION.						
Owner/Manager:	USBOR, BLM						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



<b>Occurrence No.</b>	79	<b>Map Index:</b>	79072	<b>EO Index:</b>	80033	<b>Element Last Seen:</b>	2003-08-01
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2003-08-01	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2010-06-15	
<b>Quad Summary:</b>	New Melones Dam (3712085)						
<b>County Summary:</b>	Tuolumne						
<b>Lat/Long:</b>	37.94530 / -120.52284			<b>Accuracy:</b>	80 meters		
<b>UTM:</b>	Zone-10 N4202640 E717665			<b>Elevation (ft):</b>	1505		
<b>PLSS:</b>	T01N, R13E, Sec. 14, NW (M)			<b>Acres:</b>	0.0		
<b>Location:</b>	NORTHWEST FACE OF PEORIA RIDGE, ABOUT 1 AIR MILE NORTHEAST OF CENTRAL FERRY (SITE).						
<b>Detailed Location:</b>	MAPPED IN THE NW 1/4 OF THE NW 1/4 OF SECTION 14.						
<b>Ecological:</b>	ROCKY NW-FACING SLOPE; AESCULUS CALIFORNICA W/ QUERCUS DOUGLASII AND SOME Q. WISLIZENI. EXOTIC ANNUAL GRASSES SIGNIFICANT PART OF THE HERB LAYER BUT MANY NATIVE FORBS AND GRASSES FOUND ON ROCKY OUTCROPS. ASSOC W/ AVENA FATUA, BROMUS, ETC.						
<b>General:</b>	0.2% COVER OF THIS PLANT IN 2003.						
<b>Owner/Manager:</b>	USBOR						
<b>Occurrence No.</b>	80	<b>Map Index:</b>	79073	<b>EO Index:</b>	80035	<b>Element Last Seen:</b>	2003-07-30
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		2003-07-30	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2010-06-15	
<b>Quad Summary:</b>	New Melones Dam (3712085)						
<b>County Summary:</b>	Tuolumne						
<b>Lat/Long:</b>	37.93689 / -120.53395			<b>Accuracy:</b>	80 meters		
<b>UTM:</b>	Zone-10 N4201681 E716714			<b>Elevation (ft):</b>	876		
<b>PLSS:</b>	T01N, R13E, Sec. 15, SE (M)			<b>Acres:</b>	0.0		
<b>Location:</b>	WESTERN SLOPES OF PEORIA RIDGE, NW OF PAVED ACCESS ROAD TO NEW MELONES DAM LOOKOUT, JUST EAST OF CENTRAL FERRY (SITE).						
<b>Detailed Location:</b>	STAND OCCURS ON S AND W FACING SLOPES OF PEORIA RIDGE. MAPPED IN THE NW 1/4 OF THE SE 1/4 OF SECTION 15.						
<b>Ecological:</b>	OPEN QUERCUS DOUGLASII WOODLAND W/ ANNUAL GRASS UNDERSTORY. PINUS SABINIANA OCCURS OCCASIONALLY WITHIN STAND AND IS MORE ABUNDANT ON W-FACING SLOPE OF STAND ABOVE STANISLAUS RIVER. ASSOC W/ BROMUS HORDACEUS, AVENA FATUA, ETC.						
<b>General:</b>	0.2% COVER OF THIS PLANT IN 2003.						
<b>Owner/Manager:</b>	USBOR						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	81	Map Index:	79074	EO Index:	80036	Element Last Seen:	2003-07-30
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2003-07-30	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-06-15	
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Tuolumne						
Lat/Long:	37.93076 / -120.53067			Accuracy:	80 meters		
UTM:	Zone-10 N4201008 E717020			Elevation (ft):	870		
PLSS:	T01N, R13E, Sec. 22, NE (M)			Acres:	0.0		
Location:	NORTHEAST OF BASELINE CONSERVATION CAMP, NW SLOPES OF PEORIA BASIN, ABOUT 0.6 AIR MI SOUTHEAST OF CENTRAL FERRY (SITE).						
Detailed Location:	MAPPED IN THE NW 1/4 OF THE NE 1/4 OF SECTION 22.						
Ecological:	QUERCUS DOUGLASII WOODLAND ON LOW, GENTLY SLOPING RIDGE. CANOPY COVER VARIES FROM 15-50%. OVERSTORY TREES PREDOMINATELY Q. DOUGLASII WITH A FEW Q. WISLIZENI, UNDERSTORY LARGELY EXOTIC ANNUAL GRASSES. ASSOC W/ BROMUS HORDACEUS, AVENA, ETC.						
General:	0.2% COVER OF THIS PLANT IN 2003.						
Owner/Manager:	USBOR						

Occurrence No.	82	Map Index:	79076	EO Index:	80039	Element Last Seen:	2003-08-01
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2003-08-01	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-06-15	
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Tuolumne						
Lat/Long:	37.93927 / -120.50262			Accuracy:	80 meters		
UTM:	Zone-10 N4202019 E719460			Elevation (ft):	1571		
PLSS:	T01N, R13E, Sec. 13, W (M)			Acres:	0.0		
Location:	RIDGE BETWEEN PEORIA MOUNTAIN AND NEW MELONES RESERVOIR, ABOUT 1.9 AIR MILES EAST OF CENTRAL FERRY (SITE).						
Detailed Location:	ON A ROCKY SOUTH FACING KNOLL THAT DRAINS TOWARDS A SMALL WATERSHED. MAPPED IN THE SW 1/4 OF THE NW 1/4 OF SECTION 13.						
Ecological:	INTERMITTENT SHRUB LAYER AND AN INTERMITTENT HERB LAYER; ENTIRE STAND SURROUNDED BY QUERCUS DOUGLASII. ASSOC W/ AVENA FATUA, TOXICODENDRON DIVERSILOBUM, VICIA VILLOSA, BROMUS HORDACEUS, KECKIELLA BREVIFLORA, PHACELIA CICUTARIA, ETC.						
General:	0.2% COVER OF THIS PLANT IN 2003.						
Owner/Manager:	USBOR						





Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



<b>Occurrence No.</b>	83	<b>Map Index:</b>	58627	<b>EO Index:</b>	80041	<b>Element Last Seen:</b>	1998-06-06
<b>Occ. Rank:</b>	Unknown	<b>Presence:</b>	Presumed Extant	<b>Site Last Seen:</b>		1998-06-06	
<b>Occ. Type:</b>	Natural/Native occurrence	<b>Trend:</b>	Unknown	<b>Record Last Updated:</b>		2010-06-15	
<b>Quad Summary:</b>	Salt Spring Valley (3812016)						
<b>County Summary:</b>	Calaveras						
<b>Lat/Long:</b>	38.01848 / -120.63706				<b>Accuracy:</b>	80 meters	
<b>UTM:</b>	Zone-10 N4210500 E707421				<b>Elevation (ft):</b>	1600	
<b>PLSS:</b>	T02N, R12E, Sec. 15, SE (M)				<b>Acres:</b>	0.0	
<b>Location:</b>	2.5 ROAD MILES NORTH OF COPPEROPOLIS ALONG HIGHWAY 4; WATERSHED OF BLACK CREEK.						
<b>Detailed Location:</b>	ON A GENTLE SLOPE 0.3 AIR MILES EAST OF HIGHWAY. MAPPED IN THE SW 1/4 OF THE SE 1/4 OF SECTION 15.						
<b>Ecological:</b>	SERPENTINE SOIL. RED, CLAY RICH, SUBSTRATUM SET IN CEANOTHUS CUNEATUS CHAPARRAL, WITH ABUNDANT LASTHENIA CALIFORNICA, MINUARTIA CALIFORNICA, MIMULUS GUTTATUS EARLY IN SEASON. RARE ASSOCIATES: CRYPTANTHA MARIPOSAE & LOMATIUM CONGDONII.						
<b>General:</b>	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1998; LISTED AS AN ASSOCIATE ON FIELD SURVEY FORM FOR CRYPTANTHA MARIPOSAE.						
<b>Owner/Manager:</b>	BLM						

<b><i>Fritillaria agrestis</i></b>	<b>Element Code:</b> PMLILOV010		
stinkbells			
<b>Listing Status:</b>	<b>Federal:</b> None	<b>CNDDDB Element Ranks:</b>	<b>Global:</b> G3
	<b>State:</b> None		<b>State:</b> S3
	<b>Other:</b> Rare Plant Rank - 4.2		
<b>Habitat:</b>	<b>General:</b> CISMONTANE WOODLAND, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND, PINYON AND JUNIPER WOODLAND.		
	<b>Micro:</b> SOMETIMES ON SERPENTINE; MOSTLY FOUND IN NONNATIVE GRASSLAND OR IN GRASSY OPENINGS IN CLAY SOIL. 10-1555 M.		

Occurrence No.	24	Map Index:	21056	EO Index:	9189	Element Last Seen:	1978-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1978-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1992-04-24		
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.76156 / -120.69216			Accuracy:	1/5 mile		
UTM:	Zone-10 N4181868 E703290			Elevation (ft):	360		
PLSS:	T02S, R12E, Sec. 18, SW (M)			Acres:	0.0		
Location:	ALONG DIRT SECTION OF WAMBLE ROAD WHERE IT DEAD ENDS IN CENTER OF SECTION 18.						
Detailed Location:							
Ecological:							
General:	VERY LARGE POPUOLATION SEEN IN 1978 ACC TO MEDEIROS.						
Owner/Manager:	UNKNOWN						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



***Agrostis hendersonii***

Element Code: PMPOA040K0

Henderson's bent grass

**Listing Status:** **Federal:** None

**CNDDDB Element Ranks:** **Global:** G2Q

**State:** None

**State:** S2

**Other:** Rare Plant Rank - 3.2

**Habitat:** **General:** VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

**Micro:** MOIST PLACES IN GRASSLAND OR VERNAL POOL HABITAT. 65-1030 M.

**Occurrence No.** 2 **Map Index:** 17315 **EO Index:** 9795 **Element Last Seen:** 1936-04-07

**Occ. Rank:** Unknown **Presence:** Presumed Extant **Site Last Seen:** 1936-04-07

**Occ. Type:** Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2010-11-10

**Quad Summary:** New Melones Dam (3712085)

**County Summary:** Calaveras, Tuolumne

**Lat/Long:** 37.90973 / -120.57022 **Accuracy:** non-specific area

**UTM:** Zone-10 N4198584 E713604 **Elevation (ft):** 950

**PLSS:** T01N, R13E, Sec. 29 (M) **Acres:** 641.0

**Location:** 1 MILE SOUTHWEST OF SUGARLOAF MOUNTAIN.

**Detailed Location:** EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AROUND SECTION 29 ACCORDING TO GIVEN T-R-S: 1N13E29.

**Ecological:** SLOPE 5%.

**General:** ONLY SOURCES OF INFORMATION FOR THIS OCCURRENCE ARE TWO CARLSON COLLECTIONS FROM 1936. NEEDS FIELDWORK.

**Owner/Manager:** UNKNOWN

***Neostapfia colusana***

Element Code: PMPOA4C010

Colusa grass

**Listing Status:** **Federal:** Threatened

**CNDDDB Element Ranks:** **Global:** G1

**State:** Endangered

**State:** S1

**Other:** Rare Plant Rank - 1B.1

**Habitat:** **General:** VERNAL POOLS.

**Micro:** USUALLY IN THE BOTTOMS OF LARGE, OR DEEP VERNAL POOLS; ADOBE SOILS. 5-125 M.



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	47	Map Index:	12702	EO Index:	19591	Element Last Seen:	1986-07-24
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1986-07-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-02-09
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.88724 / -120.75800			Accuracy:	specific area		
UTM:	Zone-10 N4195674 E697154			Elevation (ft):	340		
PLSS:	T01N, R11E, Sec. 34, SW (M)			Acres:	6.9		
Location:	APPROX 6 AIR MILES NORTHWEST OF KNIGHTS FERRY, AT HEADWATERS OF SHIRLEY CREEK.						
Detailed Location:	5 MILES ESE OF EUGENE. INTERMITTENT POND WITHIN THE SW 1/4 OF THE SW 1/4 OF SECTION 34.						
Ecological:	IN A 15 FOOT WIDE BAND BETWEEN BARE MUD AND AREA OF CRYPIS VAGINIFLORA. IN THE DEEPEST PART OF A VERNAL POOL IN AN ANNUAL GRASSLAND. SOILS ARE A REDDING-PENTZ-PETERS ASSOCIATION.						
General:	~150 INDIVIDUALS IN FLOWER IN 1986. CATTLE GRAZING IN AREA DOESN'T APPEAR TO DISTURB HABITAT HERE ALTHOUGH IT MAY FACILITATE INVASION OF CRYPIS VAGINIFLORA. BASED ON AERIAL IMAGERY, POOL MAY HAVE BEEN EXTIRPATED BY AG BTWN 2011 & 2013.						
Owner/Manager:	PVT						

Occurrence No.	55	Map Index:	25009	EO Index:	6269	Element Last Seen:	2017-07-10
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2017-07-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-04-21
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.76111 / -120.64585			Accuracy:	specific area		
UTM:	Zone-10 N4181919 E707371			Elevation (ft):	340		
PLSS:	T02S, R12E, Sec. 15, SW (M)			Acres:	7.8		
Location:	POND UNDER TRANSMISSION LINES ABOUT 4.7 AIR MILES SSE OF KNIGHTS LANDING.						
Detailed Location:	1.6 MILES WEST OF WILLIAMS ROAD WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 15 (ADJACENT TO SECTION LINE). IN 2017, PLANTS ONLY OBSERVED ON THE WILLMS RANCH SIDE OF STOCKPOND; ADJACENT RANCH SUBJECT TO INTENSE GRAZING.						
Ecological:	ARTIFICIAL POND ALONG INTERMITTENT DRAINAGE. ASSOCIATED WITH CRYPIS VAGINIFLORA, XANTHIUM STRUMARIUM, AND AMARANTHUS. ANNUAL GRASSLAND SURROUNDS.						
General:	1000+ PLANTS OBSERVED IN 1988 AND 2017. PRESENT GRAZING REGIME MAY BE CONSISTENT WITH EXISTENCE OF THIS OCCURRENCE, THOUGH TRAMPLING OF POND PROBABLY RESTRICTS DENSITY OF NEOSTAFIA SEEDLINGS.						
Owner/Manager:	PVT						



Multiple Occurrences per Page  
California Department of Fish and Wildlife  
California Natural Diversity Database



Occurrence No.	75	Map Index:	B1448	EO Index:	113354	Element Last Seen:	2017-07-10
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2017-07-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-04-21
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.76826 / -120.63559				Accuracy:	80 meters	
UTM:	Zone-10 N4182736 E708256				Elevation (ft):	375	
PLSS:	T02S, R12E, Sec. 15, NE (M)				Acres:	5.0	
Location:	APPROXIMATELY 3.4 AIR MILES SSE OF THE JUNCTION OF CA-108 WITH WILLMS ROAD, WILLMS RANCH.						
Detailed Location:	MAPPED AROUND STOCKPOND AT COORDINATES PROVIDED, IN THE NW 1/4 OF THE NE 1/4 OF SECTION 15.						
Ecological:	LARGE STOCKPOND THAT ENCOMPASSES PART OF NATURAL DRAINAGE ON PENTZ CLAY LOAM. ASSOCIATED WITH CRYPIS SCHOENOIDES AND AMARANTHUS ALBUS.						
General:	25 PLANTS OBSERVED IN 2017.						
Owner/Manager:	PVT						



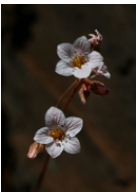
Occurrence No.	76	Map Index:	B1449	EO Index:	113355	Element Last Seen:	2017-07-10
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2017-07-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-04-21
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.75948 / -120.65809				Accuracy:	80 meters	
UTM:	Zone-10 N4181712 E706297				Elevation (ft):	355	
PLSS:	T02S, R12E, Sec. 16, SW (M)				Acres:	5.0	
Location:	APPROXIMATELY 3.8 AIR MILES SOUTH OF THE JUNCTION OF CA-108 WITH WILLMS ROAD, WILLMS RANCH.						
Detailed Location:	MAPPED AROUND STOCKPOND AT COORDINATES PROVIDED, IN THE NE 1/4 OF THE SW 1/4 OF SECTION 16.						
Ecological:	ADJACENT TO TAILINGS PILE. LARGE STOCKPOND THAT ENCOMPASSES PART OF NATURAL DRAINAGE ON PENTZ CLAY LOAM. ASSOCIATED WITH CRYPIS SCHOENOIDES AND AMARANTHUS ALBUS.						
General:	6 PLANTS OBSERVED IN 2017. LAND MANAGER PERIODICALLY REMOVES SEDIMENT FROM STOCKPONDS PLACING THESE TAILINGS AROUND EDGE OF POND AND IN AREAS WHERE NEOSTAFIA SEEMS TO OCCUR.						
Owner/Manager:	PVT						


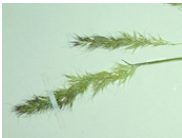


CNPS Rare Plant Inventory.

Search Results

34 matches found. Click on scientific name for details



Search Criteria: 9-Quad include [3712085:3712076:3712075:3712086:3812016:3812015:3712077:3712087:3812017]

SCIENTIFIC NAME	▲ COMMON NAME	FAMILY	LIFEFORM	BLOOMING PERIOD	FED LIST	STATE LIST	GLOBAL RANK	STATE RANK	CA RARE	PLANT RANK	CA ENDEMIC	DATE ADDED	PHOTO
<a href="#"><u>Clarkia rostrata</u></a>	beaked clarkia	Onagraceae	annual herb	Apr-May	None	None	G2G3	S2S3		1B.3	Yes	1974-01-01	No Photo Available
<a href="#"><u>Brodiaea pallida</u></a>	Chinese Camp brodiaea	Themidaceae	perennial bulbiferous herb	May-Jun	FT	CE	G1	S1		1B.1	Yes	1974-01-01	 © 2014 Robert E. Preston, Ph.D.
<a href="#"><u>Neostapfia colusana</u></a>	Colusa grass	Poaceae	annual herb	May-Aug	FT	CE	G1	S1		1B.1	Yes	1974-01-01	No Photo Available
<a href="#"><u>Lomatium congdonii</u></a>	Congdon's lomatium	Apiaceae	perennial herb	Mar-Jun	None	None	G2	S2		1B.2	Yes	1974-01-01	No Photo Available
<a href="#"><u>Eryngium racemosum</u></a>	Delta button-celery	Apiaceae	annual/perennial herb	(May)Jun-Oct	None	CE	G1	S1		1B.1	Yes	1974-01-01	No Photo Available
<a href="#"><u>Downingia pusilla</u></a>	dwarf downingia	Campanulaceae	annual herb	Mar-May	None	None	GU	S2		2B.2		1980-01-01	 © 2013 Aaron Arthur
<a href="#"><u>Delphinium hansenii ssp. ewanianum</u></a>	Ewan's larkspur	Ranunculaceae	perennial herb	Mar-May	None	None	G4T3	S3		4.2	Yes	1994-01-01	No Photo Available
<a href="#"><u>Jepsonia heterandra</u></a>	foothill jepsonia	Saxifragaceae	perennial herb	Aug-Dec	None	None	G3	S3		4.3	Yes	1994-01-01	 © 2014 Belinda Lo

<u>Lagophylla</u> <u>dichotoma</u>	forked hare- leaf	Asteraceae	annual herb	Apr-May	None	None	G2	S2	1B.1	Yes	2012- 03-13	 © 2010 Chris Winchell
<u>Pseudobahia</u> <u>bahiifolia</u>	Hartweg's golden sunburst	Asteraceae	annual herb	Mar-Apr	FE	CE	G1	S1	1B.1	Yes	1974- 01-01	No Photo Available
<u>Agrostis</u> <u>hendersonii</u>	Henderson's bent grass	Poaceae	annual herb	Apr-Jun	None	None	G2Q	S2	3.2		1974- 01-01	 ©2005 Steve Matson
<u>Trichostema</u> <u>rubisepalum</u>	Hernandez bluecurls	Lamiaceae	annual herb	Jun-Aug	None	None	G4	S4	4.3	Yes	1974- 01-01	No Photo Available
<u>Hesperervax</u> <u>caulescens</u>	hogwallow starfish	Asteraceae	annual herb	Mar-Jun	None	None	G3	S3	4.2	Yes	2001- 01-01	 © 2017 John Doyen
<u>Calycadenia</u> <u>hooveri</u>	Hoover's calycadenia	Asteraceae	annual herb	Jul-Sep	None	None	G2	S2	1B.3	Yes	1980- 01-01	No Photo Available
<u>Cryptantha</u> <u>mariposae</u>	Mariposa cryptantha	Boraginaceae	annual herb	Apr-Jun	None	None	G2G3	S2S3	1B.3	Yes	1974- 01-01	No Photo Available
<u>Navarretia</u> <u>paradoxiclara</u>	Patterson's navarretia	Polemoniaceae	annual herb	May- Jun(Jul)	None	None	G2	S2	1B.3	Yes	2016- 04-27	No Photo Available
<u>Allium</u> <u>tuolumnense</u>	Rawhide Hill onion	Alliaceae	perennial bulbiferous herb	Mar-May	None	None	G2	S2	1B.2	Yes	1980- 01-01	 © 2010 Steven Perry
<u>Cryptantha</u> <u>spithamaea</u>	Red Hills cryptantha	Boraginaceae	annual herb	Apr-May	None	None	G2	S2	1B.3		2014- 12-18	No Photo Available
<u>Senecio</u> <u>clevelandii</u> var. <u>heterophyllus</u>	Red Hills ragwort	Asteraceae	perennial herb	May-Jul	None	None	G4?T2Q	S2	1B.2	Yes	1994- 01-01	No Photo Available
<u>Chlorogalum</u> <u>grandiflorum</u>	Red Hills soaproot	Agavaceae	perennial bulbiferous herb	(Apr)May- Jun	None	None	G3	S3	1B.2	Yes	1974- 01-01	No Photo Available
<u>Verbena</u> <u>californica</u>	Red Hills vervain	Verbenaceae	perennial herb	May-Sep	FT	CT	G2	S2	1B.1	Yes	1984- 01-01	No Photo Available

<u><i>Githopsis pulchella</i> ssp. <i>serpentinicola</i></u>	serpentine bluecup	Campanulaceae	annual herb	May-Jun	None	None	G4T3	S3	4.3	Yes	2001-01-01	 <div>© 2019 Barry Breckling</div>
<u><i>Lupinus spectabilis</i></u>	shaggyhair lupine	Fabaceae	annual herb	Apr-May	None	None	G2	S2	1B.2	Yes	1974-01-01	No Photo Available
<u><i>Calycadenia spicata</i></u>	spicate calycadenia	Asteraceae	annual herb	May-Sep	None	None	G3?	S3	1B.3		2023-04-05	 <div>© 2023 Christopher Bronny</div>
<u><i>Eryngium spinosepalum</i></u>	spiny-sepaled button-celery	Apiaceae	annual/perennial herb	Apr-Jun	None	None	G2	S2	1B.2	Yes	1980-01-01	No Photo Available
<u><i>Erythranthe marmorata</i></u>	Stanislaus monkeyflower	Phrymaceae	annual herb	Mar-May	None	None	G2?	S2?	1B.1	Yes	1974-01-01	No Photo Available
<u><i>Fritillaria agrestis</i></u>	stinkbells	Liliaceae	perennial bulbiferous herb	Mar-Jun	None	None	G3	S3	4.2	Yes	1980-01-01	 <div>© 2016 Aaron Schusteff</div>
<u><i>Claytonia parviflora</i> ssp. <i>grandiflora</i></u>	streambank spring beauty	Montiaceae	annual herb	Feb-May	None	None	G5T3	S3	4.2	Yes	2006-09-29	No Photo Available
<u><i>Scopelophila cataractae</i></u>	tongue-leaf copper moss	Pottiaceae	moss		None	None	G3G4	S1	2B.2		2001-01-01	No Photo Available
<u><i>Eriogonum tripodum</i></u>	tripod buckwheat	Polygonaceae	perennial deciduous shrub	May-Jul	None	None	G4	S4	4.2	Yes	1974-01-01	 <div>©2008 Steven Perry</div>
<u><i>Eryngium pinnatisectum</i></u>	Tuolumne button-celery	Apiaceae	annual/perennial herb	May-Aug	None	None	G2	S2	1B.2	Yes	1974-01-01	 <div>© 2007 Robert E. Preston, Ph.D.</div>
<u><i>Brodiaea rosea</i> ssp. <i>vallicola</i></u>	valley brodiaea	Themidaceae	perennial bulbiferous herb	Apr-May(Jun)	None	None	G4G5T3	S3	4.2	Yes	2019-01-07	 <div>© 2011 Steven Perry</div>



<u>Monardella</u> <u>venosa</u>	veiny monardella	Lamiaceae	annual herb	May-Jul	None	None	G1	S1	1B.1	Yes	1984- 01-01	 © 2007 George W. Hartwell
<u>Diplacus</u> <u>pulchellus</u>	yellow-lip pansy monkeyflower	Phrymaceae	annual herb	Apr-Jul	None	None	G2	S2	1B.2	Yes	1974- 01-01	 © 2018 Sierra Pacific Industries

Showing 1 to 34 of 34 entries

Suggested Citation:  
California Native Plant Society, Rare Plant Program. 2024. Rare Plant Inventory (online edition, v9.5). Website <https://www.rareplants.cnps.org> [accessed 4 October 2024].



# United States Department of the Interior

## FISH AND WILDLIFE SERVICE

Sacramento Fish And Wildlife Office

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

Phone: (916) 414-6600 Fax: (916) 414-6713



In Reply Refer To:

10/04/2024 15:33:17 UTC

Project Code: 2025-0001935

Project Name: Reeds Turnpike Booster Pump Station Project

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2))

(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

**Migratory Birds:** In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

## OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**Sacramento Fish And Wildlife Office**

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

(916) 414-6600

## PROJECT SUMMARY

Project Code: 2025-0001935

Project Name: Reeds Turnpike Booster Pump Station Project

Project Type: Water Supply Facility - New Constr

Project Description: Replacement an existing small-outdated BPS with a modern, larger BPS equipped with an emergency backup generator.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@37.97514555,-120.64137038046559,14z>



Counties: Calaveras County, California

## ENDANGERED SPECIES ACT SPECIES

There is a total of 8 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

- 
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## REPTILES

NAME	STATUS
Northwestern Pond Turtle <i>Actinemys marmorata</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/1111">https://ecos.fws.gov/ecp/species/1111</a>	Proposed Threatened

## AMPHIBIANS

NAME	STATUS
California Red-legged Frog <i>Rana draytonii</i> There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/2891">https://ecos.fws.gov/ecp/species/2891</a>	Threatened
Foothill Yellow-legged Frog <i>Rana boylei</i> Population: South Sierra Distinct Population Segment (South Sierra DPS) No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5133">https://ecos.fws.gov/ecp/species/5133</a>	Endangered
Western Spadefoot <i>Spea hammondi</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5425">https://ecos.fws.gov/ecp/species/5425</a>	Proposed Threatened

## INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Candidate

## CRUSTACEANS

NAME	STATUS
Vernal Pool Fairy Shrimp <i>Branchinecta lynchi</i> There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/498">https://ecos.fws.gov/ecp/species/498</a>	Threatened
Vernal Pool Tadpole Shrimp <i>Lepidurus packardii</i> There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/2246">https://ecos.fws.gov/ecp/species/2246</a>	Endangered

## FLOWERING PLANTS

NAME	STATUS
Chinese Camp Brodiaea <i>Brodiaea pallida</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/8290">https://ecos.fws.gov/ecp/species/8290</a>	Threatened



## **CRITICAL HABITATS**

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

## **IPAC USER CONTACT INFORMATION**

Agency: Private Entity  
Name: Aren Der-Gevorgian  
Address: 11060 White Rock Road, Suite 200  
City: Rancho Cordova  
State: CA  
Zip: 95670-6061  
Email: [adergevorgian@dewberry.com](mailto:adergevorgian@dewberry.com)  
Phone: 9168223952